



engineering and constructing a better tomorrow

March 11, 2010

Mr. Frank Sowers
Project Manager
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Region 8 - Division of Environmental Remediation
6274 East Avon-Lima Road
East Avon, NY 14414-9519

Subject: **2009 Annual Progress Report
Voluntary Cleanup Agreement (VCA) Index B8-0508-97-02
Former Taylor Instruments Facility
Rochester, New York
MACTEC Project 3031052006**

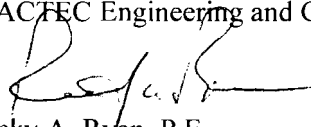
Dear Mr. Sowers:

In accordance with Section X.I.B. of the Taylor Instruments Site Voluntary Cleanup Agreement, enclosed please find two copies of the 2009 Annual Progress Report.

If you have any questions, please call me at (865) 588-8544.

Sincerely,

MACTEC Engineering and Consulting, Inc.


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2009 ANNUAL PROGRESS REPORT AND REMEDIAL PROGRESS EVALUATION

FORMER TAYLOR INSTRUMENTS SITE
ROCHESTER, NEW YORK

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MACTEC PROJECT 3031052006

March 2010



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

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LIST OF ACRONYMS

µg/L	micrograms per liter
CO ₂	carbon dioxide
COC	contaminant of concern
1,1-DCE	1,1-dichloroethene
cis-1,2-DCE	cis-1,2-dichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
DPVE	dual-phase vacuum extraction
HRC	Hydrogen Release Compound
MACTEC	MACTEC Engineering and Consulting, Inc.
MS	matrix spike
MS/MSD	matrix spike/matrix spike duplicate
MSD	matrix spike duplicate
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PARCC	precision, accuracy, representativeness, completeness, and comparability
PCE	tetrachloroethene
QC	quality control
RPD	relative percent difference
SVI	soil vapor investigation
System	dual-phase vacuum extraction and bedrock groundwater extraction system
TCE	trichloroethene
TOC	total organic carbon
VFA	volatile fatty acids
VOC	volatile organic compound

1.0 INTRODUCTION

This report summarizes activities and results for the semi-annual groundwater sampling events for the year 2009. It also discusses the continued remedial progress of the site after operation of a dual-phase vacuum extraction (DPVE) system and bedrock groundwater extraction system (System) from 2001-2006 and after an accelerated bioremediation pilot test (2006-2007). This continued remedial evaluation is consistent with the statement of remedial action objectives in Section 2.2 of the approved *Remedial Work Plan* (Harding Lawson 2000). “The short-term criteria (approximately 2 years) to track the effectiveness of the remediation of VOCs [volatile organic compounds] in groundwater is to demonstrate a downward trend in VOC concentrations achieved using a combination of active, passive, and enhanced biodegradation remedial technology approaches.” All activities described herein are also consistent with an assignable release for the site, granted by the New York State Department of Environmental Conservation (NYSDEC) via letter dated September 2, 2005 (NYSDEC 2005). In the same letter, NYSDEC approved the System as implemented and determined that no further investigation or response would be required at the site to render it safe for contemplated uses.

The first semi-annual sampling event for 2009 was conducted in May and the second in October. A summary of the sampling event results for the baseline event, as well as events from 2001-2009, are also included. 2001 is when the groundwater System went online, and thus groundwater samples from 2000 are considered baseline values for subsequent sampling events. These activities occurred at the former Taylor Instruments Site – NYSDEC Site #828028a located at 95 Ames Street in Rochester, New York (Figure 1 in Appendix A), pursuant to a Voluntary Cleanup Agreement (NYSDEC 1997).

The Site’s remedial progress from January 2001 to 2006, during operation of the System, was measured by the change in trichloroethene (TCE) in on-site monitoring wells and System performance data, including influent groundwater results and contaminant mass removal quantities. TCE has been used to track remedial progress because it is the primary contaminant of concern (COC) remaining at the site. Other COCs include tetrachloroethene (PCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), and vinyl chloride. Since the extraction of contaminant mass by the System had reached asymptotic levels, an accelerated bioremediation pilot test was initiated in 2006. MACTEC Engineering and Consulting, Inc. (MACTEC) received NYSDEC approval for the pilot test via letter dated August 22, 2006 (NYSDEC 2006). The System was shut down in August 2006 as part of the

bioremediation pilot test and has remained off to optimize conditions that are favorable for bioremediation.

While certain COCs remain above the NYSDEC Class GA drinking water standards, overall declines of TCE contamination have generally occurred in the on-site monitoring wells. Results from the pilot test performance monitoring, which concluded in December 2007, were reported to NYSDEC in the *Accelerated Bioremediation Pilot Test Final Report* (MACTEC 2008a). Additionally, off-site monitoring wells have shown no detectable levels of contamination (Haley & Aldrich of New York 2001a and 2001b).

Pursuant to a letter from NYSDEC dated May 2, 2008 (NYSDEC 2008), ABB, Inc. (formerly Combustion Engineering), MACTEC, Nixon Peabody, and NYSDEC held subsequent discussions during a meeting on July 29, 2008 (MACTEC 2008b). At that meeting it was agreed that additional remediation, in the form of an expansion of the accelerated bioremediation application which has been proven effective at the Site, would be done as the final step in remediating the Site. More specifically, it was agreed that the expanded program would focus on the areas in the vicinity of where the levels of the COCs in the overburden monitoring wells in the two Source Areas currently exceed NYSDEC Class GA Standards.

On October 9, 2008, MACTEC submitted to NYSDEC a *Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System* (MACTEC 2008c) which detailed a proposed expanded bioremediation application using Hydrogen Release Compound (HRC)[®]-Advanced. The expanded bioremediation application is proposed for areas in the vicinities of source area overburden monitoring wells in which concentrations of COCs exceed Class GA Standards. These areas for expanded bioremediation include an area encompassing OB-04 and OB-06 in the South TCE Source Area, and an area encompassing OB-05, OB-08, and OB-09 in the North TCE Source Area. Additionally, the proposed treatment area in the North TCE Source Area was expanded to include nearby perimeter wells W-5 and TW-17, to also accelerate the biodegradation of the COCs reported in these wells. By accelerating the biodegradation of COCs in the overburden groundwater, it is expected that the ongoing overall decreases in COC concentrations in all downgradient locations, as well as in the bedrock groundwater, will continue, but at a more rapid rate. The Work Plan also outlined permanent decommissioning of the DPVE and bedrock groundwater extraction and treatment system, including removing all above-ground components of the system, plugging all underground piping with grout, and abandoning of all extraction, vent, and monitoring wells that are not designated for post-closure monitoring. MACTEC is awaiting NYSDEC's approval of the Work Plan.

Prior to approval of MACTEC's Work Plan, NYSDEC required a soil vapor investigation (SVI) beneath Ames Street and on site near West Avenue in September 2009 to determine whether selected VOCs are present at levels requiring further investigation near residences located immediately downgradient of the Site along Ames Street or cross-gradient of the Site along West Avenue. MACTEC subsequently performed a SVI in September 2009, the results of which were presented in MACTEC's November 5, 2009 *Report of Soil Vapor Investigation* (MACTEC 2009a). The results of the SVI indicated that no further SVI was warranted near West Avenue. However, the NYSDEC and the New York State Department of Health (NYSDOH) requested that sub-slab vapor and indoor air samples be collected from within five residences near the Ames Street soil vapor sample locations. On December 23, 2009, MACTEC submitted a work plan (MACTEC, 2009b) to perform the sampling in the residences. The NYSDEC and NYSDOH approved MACTEC's work plan in a January 7, 2010 letter (NYSDEC, 2010). MACTEC performed the sub-slab vapor and indoor air sampling at five residences during February 1 through 3, 2010. The results of this investigation will be submitted to the NYSDEC in a separate report.

2.0 SCOPE OF WORK

2.1 MAY AND OCTOBER 2009 SEMI-ANNUAL SAMPLING EVENTS

MACTEC personnel performed the May and October sampling events to provide an inclusive set of groundwater analytical data for the annual period of 2009. Thirty-six samples in May and 35 samples in October were collected and submitted to Test America, Incorporated, for VOC analyses by U.S. Environmental Protection Agency Method 8260B (Table 1, Appendix B). Of the samples collected in May and October, two (OB-04 and OB-08) were also submitted each event for selected natural biodegradation parameters, which include total organic carbon (TOC) by Method SM5310B; methane and ethene by Method RSK175; carbon dioxide (CO₂) by Method SM4500CO2C; and volatile fatty acids (VFAs). Data for dissolved oxygen, oxygen reduction potential, pH, and temperature was also collected in the field during each sampling event. Twelve of the 36 samples taken in May and 12 of the 35 samples taken in October 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.

A summary of analytical results for the extraction, overburden, and bedrock monitoring wells is presented in Tables 2, 3, and 4, respectively (Appendix B) and in Figures 2 and 3 (Appendix A). A comprehensive table showing historical analytical results for the overburden and bedrock monitoring wells is provided in Appendix C. Laboratory reports and chain-of-custody forms for all samples are located in Appendices D and E, respectively. Field measurements of pH, conductivity, temperature, turbidity, oxidation-reduction potential, and dissolved oxygen were collected during purging. Purge and sample data are presented on the field data records located in Appendix F.

2.2 POST-PILOT TEST ACTIVITIES

Since completion of pilot test performance monitoring in December 2007, MACTEC has continued to sample pilot performance monitoring wells OB-04 and OB-08 during semi-annual groundwater monitoring events. In addition to sampling these wells for the Site COCs as part of semi-annual monitoring, MACTEC has also sampled these wells for a reduced suite of analytical bioparameters to assess whether reducing conditions remain favorable for continued contaminant reductive dechlorination after the pilot test. During 2009, OB-04 and OB-08 were sampled semi-annually for VFAs, methane,

ethene, CO₂, TOC, and also the field parameters were observed during the sampling. The results of the bioparameters and field parameters during the 2009 sampling events are presented in Table 5 in Appendix B. As compared to the September 2006 baseline values, these 2009 results demonstrate that reducing conditions still exist as a result of the pilot injection and remain conducive to reductive dechlorination. MACTEC will continue to monitor bioparameters and field parameters in OB-04 and OB-08 during future sampling events.

3.0 SUMMARY OF RESULTS

Presented below are the results of the groundwater sampling events conducted from November 2000 to October 2009. Also included is a discussion of TCE contaminant trends from the baseline event (November/December 2000) through 24 subsequent events.

The wells sampled during the semi-annual (May and October 2009) events are divided into four categories. These categories are (1) the North and South TCE Source Areas; (2) Upgradient, which includes wells upgradient of the source areas; (3) Downgradient Perimeter, which includes wells downgradient of the source areas; and (4) Deep Bedrock, which includes BR-08 and BR-14. Well construction information is provided in Appendix G.

A summary of wells sampled and the analyses performed is found in Table 1 (Appendix B). The baseline sampling event is summarized in Table 2. The sample results for the 2008 and 2009 sampling events are summarized in Tables 3 and 4. These tables present only detected VOC results for the COCs. Sample VOC results are also presented in “flag boxes” in Appendix A, Figures 2 and 3, representing overburden monitoring wells and bedrock monitoring wells. The following discussions will focus on TCE concentrations in the site’s monitoring wells, since TCE has been the primary COC at the Site. Other COCs detected are shown in Figures 2 and 3 (Appendix A) and in Tables 3 and 4 (Appendix B) and C-1 (Appendix C). TCE concentration trend graphs for both overburden and bedrock monitoring wells are provided in Appendix H. These graphs present data from the baseline and 2001-2009 sampling events. Table 6 presents a summary of the decline of TCE concentrations over time in monitoring wells. A comprehensive table showing historical results is provided in Appendix C.

3.1 NORTH AND SOUTH TCE SOURCE AREAS

Overburden Monitoring Wells (South TCE Source Area)

Monitoring wells OB-04 and OB-06 are both located within the South TCE Source Area while OB-07 is just downgradient of the TCE Source Area. Recent results for these wells are presented in Table 3.

In OB-04, TCE decreased from 44.9 micrograms per liter ($\mu\text{g/L}$) (November 2008) to 28.9 $\mu\text{g/L}$ (May 2009), then increased slightly to 32.8 $\mu\text{g/L}$ in October 2009. Since the pilot baseline sampling in September 2006, the TCE concentration has dropped significantly, from 1,920 $\mu\text{g/L}$ to 32.8 $\mu\text{g/L}$ in 2009.

As part of continued monitoring of bioparameters following a bioremediation pilot test (MACTEC, 2008a), OB-04 was also sampled for VFAs, methane, ethene, TOC, and CO_2 . The results of the bioparameters are located in Table 5 in Appendix B. These results indicate that reducing conditions still exist as a result of the pilot injection and remain conducive to accelerated bioremediation.

TCE concentrations in the remaining wells were similar to those detected in events since System shut down in 2006. In OB-06, TCE decreased from 89.8 $\mu\text{g/L}$ (November 2008) to 78.3 $\mu\text{g/L}$ (May 2009), then increased to 121 $\mu\text{g/L}$ in October 2009. In OB-07, TCE decreased from 14.2 $\mu\text{g/L}$ (November 2008) to 3.47 $\mu\text{g/L}$ (May 2009), then increased to 13.3 $\mu\text{g/L}$ in October 2009.

The overall TCE decline from historical high values (Table 6) is 99 percent for OB-04, 98 percent for OB-06, and 39 percent for OB-07.

Overburden Monitoring Wells (North TCE Source Area)

Monitoring wells OB-05 and OB-08 are both located within the North TCE Source Area while OB-09 is just downgradient of the source area. Recent results for these wells are presented in Table 3.

In OB-08, TCE has remained non-detect since December 2007. As part of continued monitoring of bioparameters following the bioremediation pilot test, OB-08 was also sampled for VFAs, methane, ethene, TOC, and CO_2 . The results of the bioparameters are located in Table 5 in Appendix B. These results indicate that reducing conditions still exist as a result of the pilot injection and remain conducive to accelerated bioremediation.

TCE concentrations were similar to previous events since System shut down in 2006 in OB-05 and OB-09. In OB-05, TCE decreased from 257 $\mu\text{g/L}$ (November 2008) to 242 $\mu\text{g/L}$ (May 2009), then increased to 364 $\mu\text{g/L}$ in October 2009. In OB-09, TCE decreased from 129 $\mu\text{g/L}$ (November 2008) to 62.6 $\mu\text{g/L}$ (May 2009), then increased to 82.9 $\mu\text{g/L}$ in October 2009.

The overall TCE decline from historical high values (Table 6) is 99 percent for OB-05 and OB-08 and 54 percent for OB-09.

Bedrock Monitoring Wells (South TCE Source Area)

Bedrock monitoring wells BR-04, BR-09, BR-10, BR-11, and BR-17 are located within the South TCE Source Area. Recent results for these wells are presented in Table 4.

TCE concentrations in the bedrock monitoring wells in this area were similar to those detected in previous events since the shut down of the System in August 2006. In BR-04, TCE increased from 7.04 µg/L (November 2008) to 498 µg/L (May 2009), but decreased to 25.1 µg/L in October 2009. In BR-09, TCE decreased from 3.01 µg/L (November 2008) to non-detect in May 2009 and then increased slightly to 3.37 µg/L in October 2009. TCE concentrations in BR-09 have remained below the Class GA Standard since December 2006. In BR-10, TCE increased from 8.44 µg/L (November 2008) to 235 µg/L (May 2009), but decreased to 48 µg/L in October 2009. In BR-11, TCE increased from 31.8 µg/L (November 2008) to 104 µg/L (May 2009) but decreased to 21.1 µg/L in October 2009. In BR-17, TCE decreased from 15.4 µg/L (November 2008) to 11.9 µg/L (May 2009), then further decreased to 4.27 µg/L in October 2009. After shut down of the System, TCE concentrations in BR-17 increased from 13.6 µg/L to 47.8 µg/L in May 2008, but since have since decreased to the current 4.27 µg/L, which is below the Class GA Standard.

The overall TCE decline from historical high values (Table 6) is 99 percent for all bedrock monitoring wells in the South TCE Source Area.

Bedrock Monitoring Wells (North TCE Source Area)

BR-05, BR-12, BR-14, BR-15, and BR-16 are located in the North TCE Source Area. Recent results are presented in Table 4. Monitoring wells BR-12, BR-14, and BR-16 were not sampled during the May and October 2009 events based on recommendations made in earlier progress reports (MACTEC 2003 and MACTEC 2006) and thus will not be discussed.

TCE concentrations in monitoring well BR-05 increased from 15.1 µg/L (November 2008) to 74.7 µg/L (May 2009), but decreased to 3.16 µg/L (below the Class GA Standard) in October 2009. These fluctuations in TCE concentrations are similar to those seen during the past few years. Since shut down of the System, TCE concentrations have ranged from non-detect to 74.7 µg/L. TCE concentrations in monitoring well

BR-15 increased from 4.08 µg/L (November 2008) to 261 µg/L (May 2009), but then decreased to 38.0 µg/L in October 2009. TCE concentrations in BR-15 have overall trended downward since the shut down of the System.

The overall TCE decline from historical high values (Table 6) is 99 percent for BR-05 and BR-15.

3.2 UPGRADIENT MONITORING WELLS

Overburden Monitoring Wells

Based on recommendations made in earlier process reports (MACTEC 2003 and 2006), no upgradient overburden monitoring wells were sampled during 2009.

Bedrock Monitoring Wells

BR-06 and BR-07 are upgradient wells, located southwest and west of the South and North TCE Source Areas, respectively.

BR-06 is considered a background well that was not sampled in 2009 and thus will not be discussed. In BR-07, TCE concentrations were non-detect in May and October 2009, as they have been since May 2007. TCE concentrations in BR-07 remain below the highest reported values, with an overall 99 percent decline from 2001 baseline concentrations.

3.3 PERIMETER DOWNGRADIENT MONITORING WELLS

Overburden Monitoring Wells

Monitoring wells TW-04, TW-07, TW-09, TW-17, TW-20, and W-5 are downgradient of the source areas and are located along the perimeter of the site. Recent results for these wells are presented in Table 3.

In general, wells downgradient of the South TCE Source Area have exhibited decreasing trends or remained stable since System shut down in 2006. In TW-04, TCE concentrations decreased from 21.3 µg/L (November 2008) to 4.78 µg/L (May 2009), and in October 2009 TCE was non-detect. TW-04 has shown a decreasing trend in TCE concentrations since July 2006 (TCE at 27.8 µg/L) and is currently below detection limits. In TW-07, TCE concentrations decreased from 7.06 µg/L (November 2008) to 1.02 µg/L (May 2009) and then increased to 14.7 µg/L in October 2009.

TCE concentrations in wells downgradient of the North TCE Source Area have remained stable or exhibited a slight increasing trend in concentrations since System shut down. In TW-09, TCE concentrations increased slightly from 71.2 µg/L (November 2008) to 72.1 µg/L (May 2009) and again to 82.9 µg/L in October 2009. In TW-17, TCE increased from 270 µg/L (November 2008) to 332 µg/L (May 2009), but decreased to 94 µg/L in October 2009. In TW-20, TCE increased slightly from 23.0 µg/L (November 2008) to 25.2 µg/L (May 2009) and increased further to 78.8 µg/L in October 2009. In W-5, TCE concentrations increased from 687 µg/L (November 2008) to 961 µg/L (May 2009), but decreased to 664 µg/L in October 2009. TCE concentrations in W-5 are at their lowest levels since December 2006.

The overall TCE decline from historical high values (Table 6) is 99 percent for TW-04, 64 percent for TW-09, 91 percent for TW-17, and 54 percent for W-5. The present TCE concentration in TW-20 (78.8 µg/L) is higher than previous values.

Bedrock Monitoring Wells

The perimeter downgradient bedrock monitoring wells are BR-01, BR-02, BR-03, and BR-13. Recent results for these wells are presented in Table 4. BR-13 was not sampled in 2009 based on recommendations provided in an earlier progress report (MACTEC 2006) and thus will not be discussed.

TCE concentrations in these wells have remained relatively stable since System shut down in 2006. In BR-01, TCE concentrations increased slightly from non-detect (November 2008) to 3.26 µg/L (May 2009), but were non-detect again in October 2009. In BR-02, TCE concentrations decreased slightly from 90.9 µg/L (November 2008) to 88.1 µg/L (May 2009), then increased to 254 µg/L in October 2009. In BR-03, TCE concentrations increased from 61.8 µg/L (November 2008) to 202 µg/L (May 2009), and again to 365 µg/L in October 2009.

The overall TCE decline from historical high values (Table 6) is 99 percent for BR-01, 96 percent for BR-02, and 68 percent for BR-03.

Deep Bedrock Monitoring Wells

Monitoring well BR-14 (North TCE Source Area) was not sampled in 2009 based on recommendations provided in an earlier progress report (MACTEC 2006) and thus will not be discussed.

In BR-08, TCE concentrations decreased slightly from 2.09 µg/L (November 2008) to 2.05 µg/L (May 2009), then increased slightly to 2.30 µg/L in October 2009. BR-08 has remained below Class GA Standards for TCE since November 2008. The overall TCE decline from historical high values (Table 6) is 99 percent for BR-08.

3.4 POTENTIOMETRIC SURFACE

Associated with each monitoring event, a potentiometric surface map is generated to depict groundwater elevations for the overburden groundwater. Surfer[®] 8 was used to plot the potentiometric surface maps in Appendix A, Figures 4 and 6. This program mathematically calculates contours based upon groundwater elevation measurements collected in the field.

The May and October 2009 maps (Figures 4 and 6, respectively, in Appendix A) were based upon water level information collected during the course of sampling activities on the subject site. Overburden potentiometric surface mapping for the two water level events agrees with past mapping in both the North TCE Source Area and South TCE Source Area.

Attempts have been made to contour the bedrock potentiometric surface, but the bedrock water level data cannot readily be plotted due to the large variation in elevation heads. These variations are due to the fractured bedrock system. The head data appears to be bi-modally distributed possibly reflecting differing elevations of water bearing fractures. The historical absence of contaminants at the southwest corner of the site and their presence in wells along the north and east site perimeter also support the interpretation that bedrock groundwater flow beneath the two source areas is generally towards the north/northeast. Bedrock water level elevations are presented on Figures 5 and 7 in Appendix A.

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 both the May and October sampling events. The evaluation of MS/MSD criteria was used to qualify the data. The evaluations of MS/MSD analyses are presented in the following tables.

OB-07 – May 2009

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	52.0	104	51.6	0.8	68-143	23
Chlorobenzene	52.4	105	51.6	1.5	67-140	27
1,1-Dichloroethene	59.5	119	59.5	0.0	63-157	26
Toluene	52.3	105	51.9	0.8	75-139	19
Trichloroethene	49.5	92	49.4	0.2	57-158	28
Tetrachloroethene	47.8	96	46.4	3.0	67-150	27

OB-07 – October 2009

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	53.0	106	35.6	39	65-151	12
Chlorobenzene	55.4	111	37.5	38	78-136	11
1,1-Dichloroethene	53.3	107	36.0	39	34-151	31
Toluene	50.9	102	34.6	38	61-153	35
Trichloroethene	74.0	121	54.7	30	74-139	11
Tetrachloroethene	58.3	117	40.0	37	63-155	16

BR-05 – May 2009

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	58.1	116	57.8	0.6	68-143	23
Chlorobenzene	55.0	110	55.5	0.9	67-140	27
1,1-Dichloroethene	64.1	126	62.3	2.8	63-157	26
Toluene	53.6	107	52.5	2.1	75-139	19
Trichloroethene	127	104	124	2.4	57-158	28
Tetrachloroethene	47.6	95	47.6	0.0	67-150	27

BR-05 – October 2009

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	63.1	126	64.1	2	65-151	12
Chlorobenzene	62.1	124	62.8	1	78-136	11
1,1-Dichloroethene	63.0	126	65.5	4	34-151	31
Toluene	66.9	134	66.8	0.1	61-153	35
Trichloroethene	67.2	128	68.4	1.8	74-139	11
Tetrachloroethene	66.9	134	68.2	1.9	63-155	16

The RPD exceeded the acceptance limits from OB-07 in the October 2009 sampling event. As stated in the laboratory report (Appendix D), it is believed the RPD exceedences resulted from laboratory error in adding the spike mix to the MSD. The sample analyses were unaffected by the RPD exceedences. All the other 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 samples, resulting in 2 duplicate samples for both the May and October 2009 sampling events. Field duplicate precision is presented in the following table.

May 2009

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
BR-11	cis-1,2-Dichloroethene	1	152		153		0.7
	trans-1,2-Dichloroethene	1	32.0		31.9		0.3
	Trichloroethene	1	104		105		1.0
	Vinyl Chloride	1	1.32		1.40		5.9
W-5	cis-1,2-Dichloroethene	1	124		123		0.8
	trans-1,2-Dichloroethene	1	2.61		2.69		3.0
	Trichloroethene	1	961		961		0.0
	Vinyl Chloride	1	1.33		1 U		NC

NC = not calculated
U = non detect

October 2009

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
BR-11	cis-1,2-Dichloroethene	1	71.4		81.6		13.3
	trans-1,2-Dichloroethene	1	7.38		8.47		13.8
	Trichloroethene	1	21.1		23.7		11.6
	Vinyl Chloride	1	1 U		1 U		0
W-5	cis-1,2-Dichloroethene	1	59.9		68.2		13.0
	trans-1,2-Dichloroethene	1	1.55		1.61		3.8
	Trichloroethene	1	664		642		3.4
	Vinyl Chloride	1	5.39	J	7.42	J	31.8

Field duplicate precision was evaluated between the two data sets for detected compounds. The RPDs were below the National Functional Data Validation Guideline of 30 for water samples with the exception of vinyl chloride for sample W-5 during the October 2009 event. Since RPDs for other detected compounds were well below the guidelines of 30 RPD for both events, the vinyl chloride values for sample W-5 from the October 2009 event are considered estimated (qualified with a J).

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 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 these sampling events.

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 May and October 2009 events were analyzed to characterize the water source used during these sampling events. Distilled water was used by the field crews for field blanks. No target VOCs were detected above the reporting limit in any of the field blanks.

A low concentration of methylene chloride was reported in one of the laboratory method blank samples from the May 2009 sampling event; this compound is a common laboratory chemical and was not reported in any of the groundwater samples that were tested. No other target VOCs were detected above the reporting limit in any method blank in May 2009. The two method blanks for October 2009 were analyzed and no VOCs were detected above the reporting limit.

Two trip blanks were analyzed during the May 2009 sampling event and one trip blank was analyzed during the October 2009 sampling event as part of the VOC laboratory QC program. No target VOCs were detected above the reporting limit in any of the trip blanks.

Equipment rinse samples were collected for each set of 20 samples, using distilled water to rinse field equipment, and analyzed for all target constituents. Two rinsate blanks were collected during both the May and October 2009 events. No target VOCs were detected above the reporting limit in any of the rinsate blanks.

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

5.0 CONCLUSIONS AND RECOMMENDATIONS

A comparison of analytical data from the 24 sampling events that occurred in 2001-2009 provides an evaluation of the site remedial progress. The following overall conclusions and recommendations have been reached in this remedial progress evaluation:

- While certain COCs remain above the NYSDEC Class GA drinking water standards, overall decreases in TCE concentrations have been observed in all but one of the site perimeter monitoring wells and in all site interior monitoring wells (Table 6). The greatest decrease has been within the two source areas, where all monitoring wells have TCE declines of at least 98 percent.
- Despite an extended shutdown of the System since August 2006, overall contaminant levels in the Site monitoring wells have not demonstrated significant rebound effects, and overall declines remain evident as shown in Table 6.
- MACTEC provided NYSDEC with an *Accelerated Bioremediation Pilot Test Final Report* (MACTEC 2008a) which summarized results from the pilot test and provided conclusions on the effectiveness of the HRC[®]-Advanced. HRC[®]-Advanced has been effective in reducing TCE contamination in the overburden groundwater within the North and South TCE Source Areas. The results from ongoing post-pilot test monitoring also indicate that reducing conditions still exist and are conducive for continued accelerated bioremediation.
- Contaminant conditions will continue to be monitored during future semi-annual site-wide groundwater monitoring events. Pending approval of MACTEC's *Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remediation Treatment System* (MACTEC 2008c), an expanded HRC[®]-Advanced application and post-closure monitoring of natural attenuation will be implemented until groundwater concentrations of the COCs are at or below NYSDEC Class GA Standards.
- Prior to approval of MACTEC's above referenced Work Plan, NYSDEC required that sub-slab vapor and indoor air samples be collected from within the five residences near the 2009 soil vapor sample locations along Ames Street. MACTEC submitted a Work Plan (MACTEC 2009b) to perform the sampling in the residences, and the NYSDEC and NYSDOH approved the work plan in

a January 7, 2010 letter (NYSDEC 2010). MACTEC performed the sub-slab vapor and indoor air sampling at five residences during February 1 through 3, 2010. The results of this investigation will be submitted to the NYSDEC in a separate report.

6.0 REFERENCES

- Haley & Aldrich of New York. 2001a. *Report on Offsite Groundwater Investigation Former Taylor Instrument Site, Rochester, New York*. Prepared for Apogent Technologies Corporation (formerly Sybron Laboratory Products) (September).
- Haley & Aldrich of New York. 2001b. *Supplemental Offsite Groundwater Sampling Former Taylor Instruments Site*. Prepared for Apogent Technologies Corporation (formerly Sybron Laboratory Products) (December).
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- NYSDEC. 2005. Letter to Ricky A. Ryan with MACTEC Engineering and Consulting (September 2).

NYSDEC. 2006. Letter to Ricky A. Ryan with MACTEC Engineering and Consulting (August 22).

NYSDEC. 2008. Letter to Ricky A. Ryan with MACTEC Engineering and Consulting (May 2).

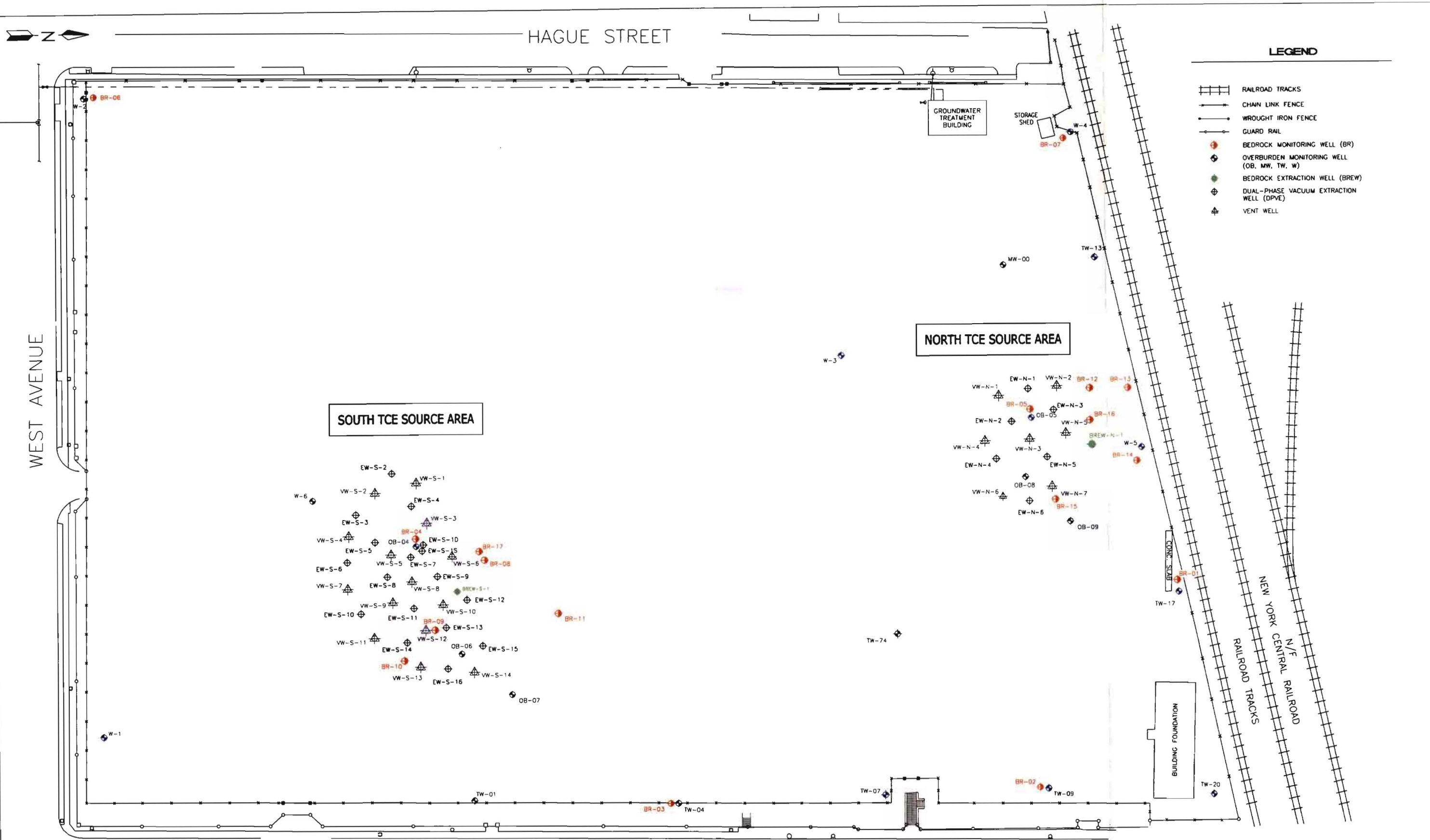
NYSDEC. 2010. Letter to Ricky A. Ryan with MACTEC Engineering and Consulting (January 7).

APPENDIX A

FIGURES

DATE: 3-2-2010 CHECKED BY: C.R.W. PREPARED BY: [Signature]

3031052006_01-2009_ann_rep_fig1.dwg Tue. 02 Mar 2010 - 4:41pm reverenc



0 80'
 SCALE: 1"=80'

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

FIGURE 1
 WELL LOCATIONS
 ANNUAL REPORT 2009
 FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
 MACTEC









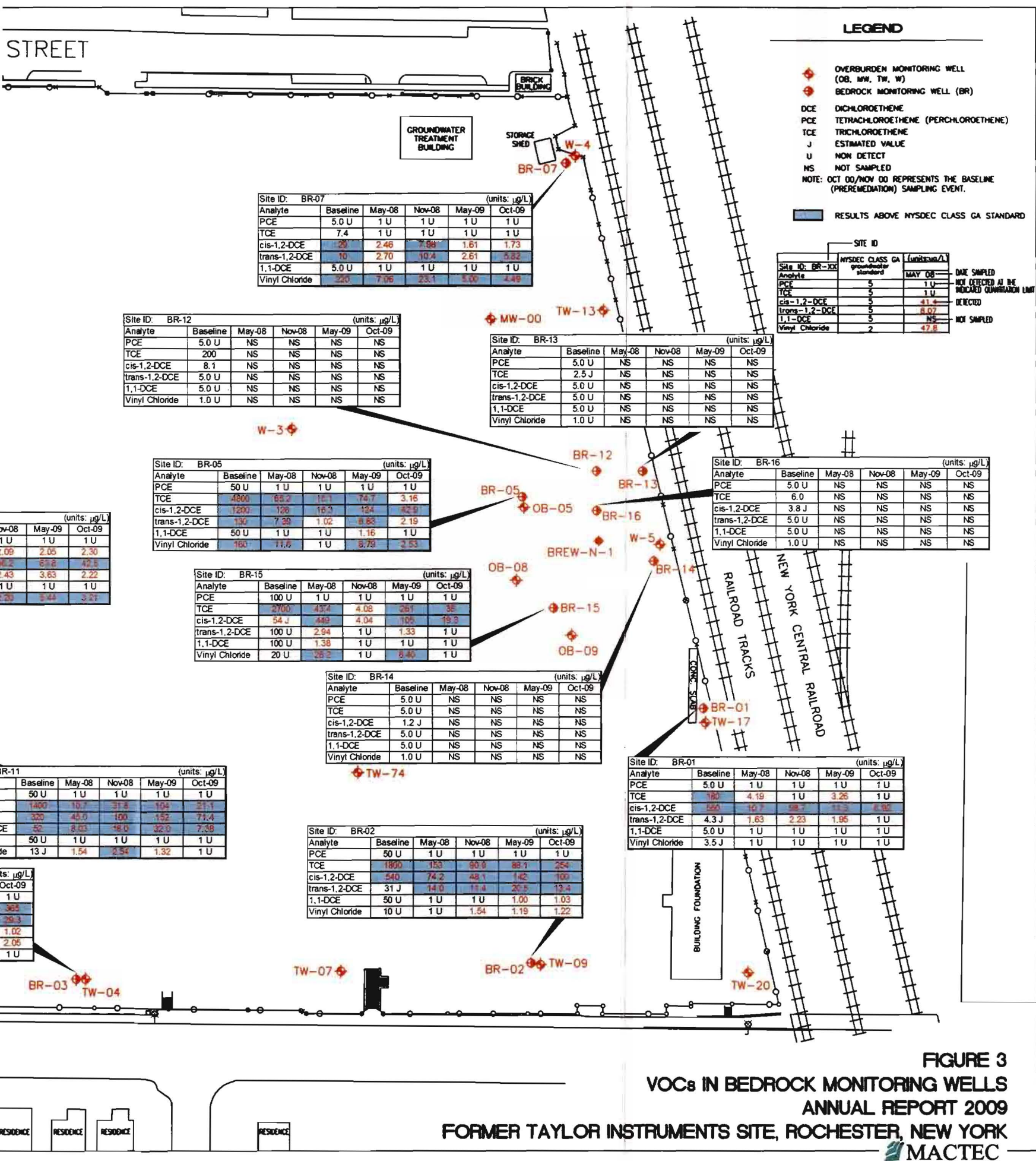
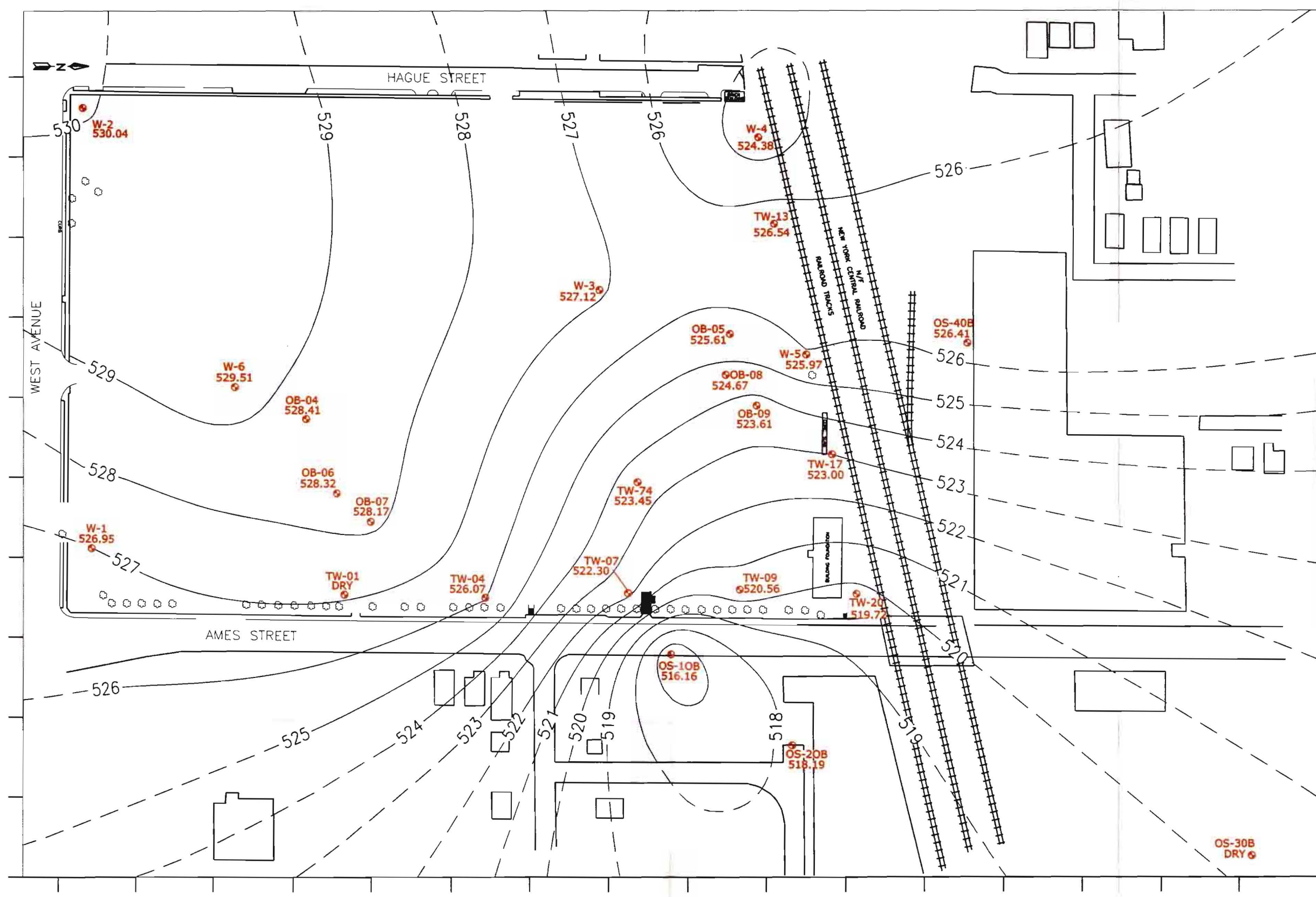


FIGURE 3
VOCs IN BEDROCK MONITORING WELLS
ANNUAL REPORT 2009
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

DATE: 1-27-2010
CHECKED BY: C.R.W.
PREPARED BY: R. DYRENFICE



LEGEND

- 520 CONTOUR LINE
1' INTERVAL
- OB-07 WELL ID
- MONITORING WELL LOCATION
(INCLUDES MW, W, TW, OB)
- 528.17 WATER LEVEL ELEVATION (feet)

NOTE: DATA FOR MONITOR OS-10B, OS-20B, OS-30B, AND OS-40B WAS PROVIDED BY HALEY AND ALDRICH OF NEW YORK. DATA COLLECTED ON MAY 4, 2009.

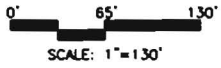
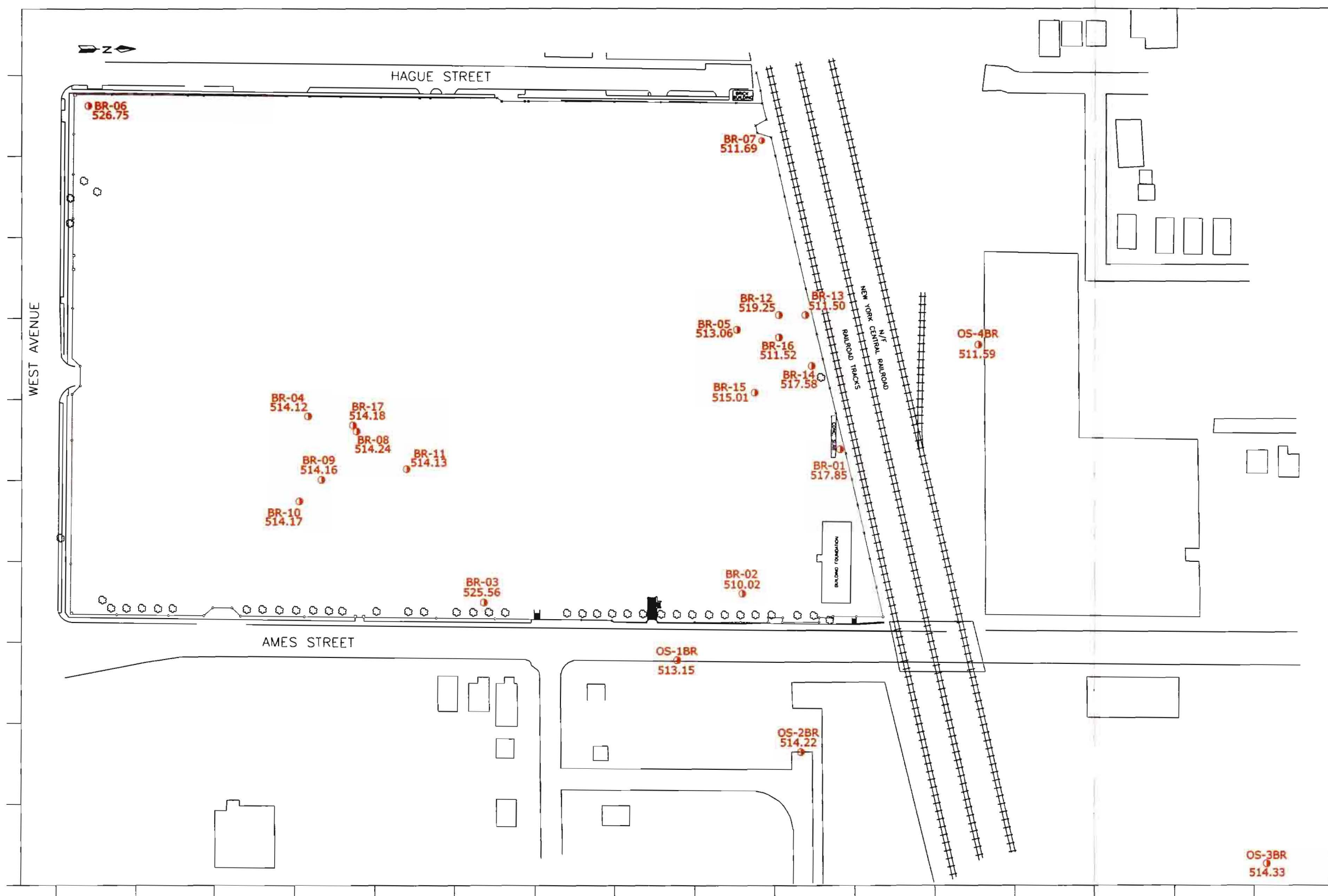


FIGURE 4
OVERBURDEN POTENTIOMETRIC SURFACE MAP
MAY 2009 SAMPLING EVENT
ANNUAL REPORT 2009

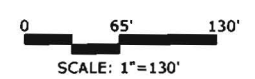
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
MACTEC

PREPARED BY: R. EVERENCE DATE: 1-26-2010 CHECKED BY: J. DEATHERA E: 1-26-2010



LEGEND

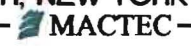
- BR-01 WELL ID
- BEDROCK WELL LOCATION
- 513.87 WATER LEVEL ELEVATION (feet)



NOTE: DATA FOR MONITOR OS-1BR, OS-2BR, OS-3BR, AND OS-4BR WAS PROVIDED BY HALEY AND ALDRICH OF NEW YORK. DATA COLLECTED ON MAY 4, 2009.

FIGURE 5
BEDROCK GROUNDWATER ELEVATIONS
MAY 2009 SAMPLING EVENT
ANNUAL REPORT 2009

FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK



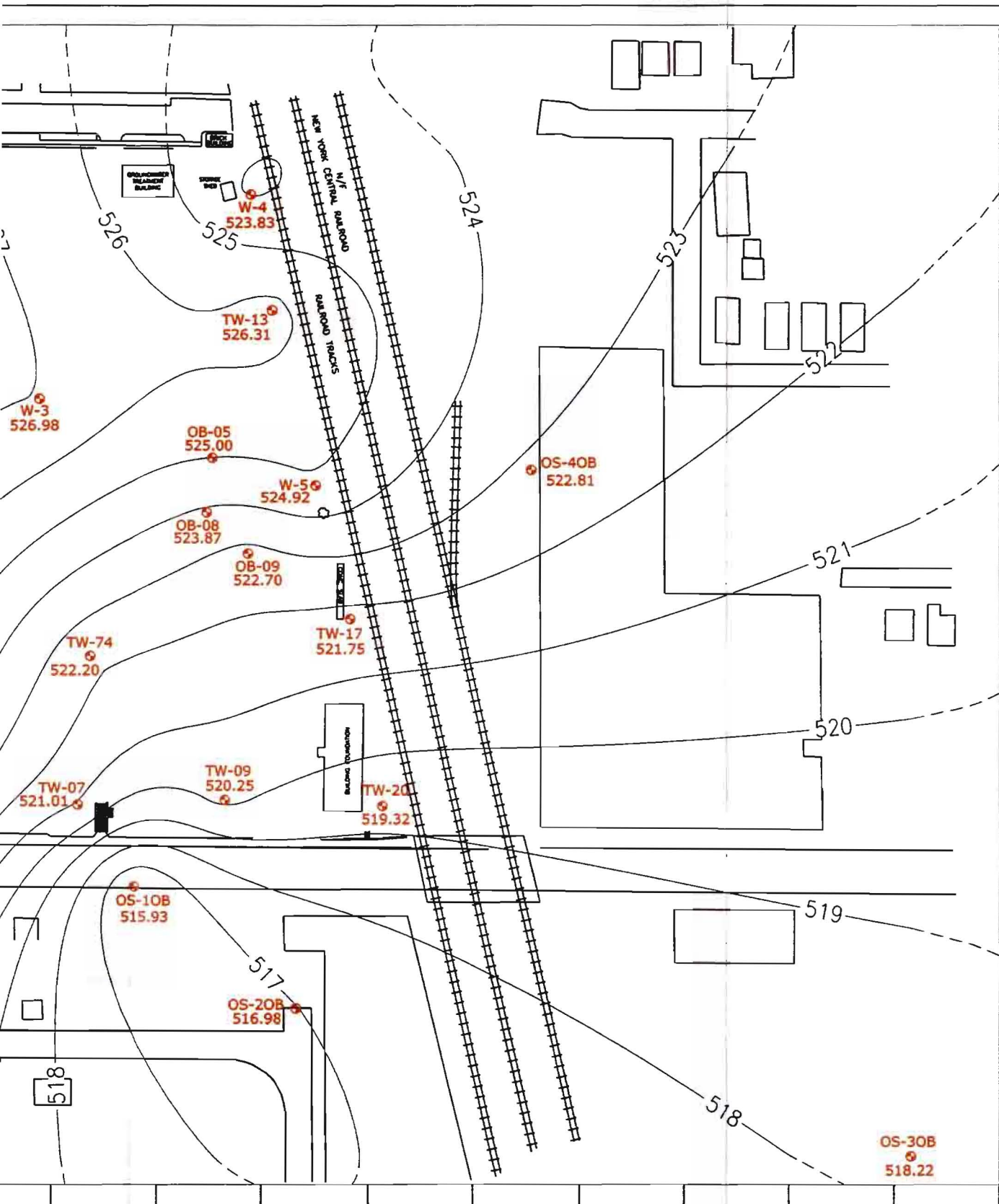


FIGURE 6
 OVERBURDEN POTENTIOMETRIC SURFACE MAP
 OCTOBER 2009 SAMPLING EVENT
 ANNUAL REPORT 2009
 FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

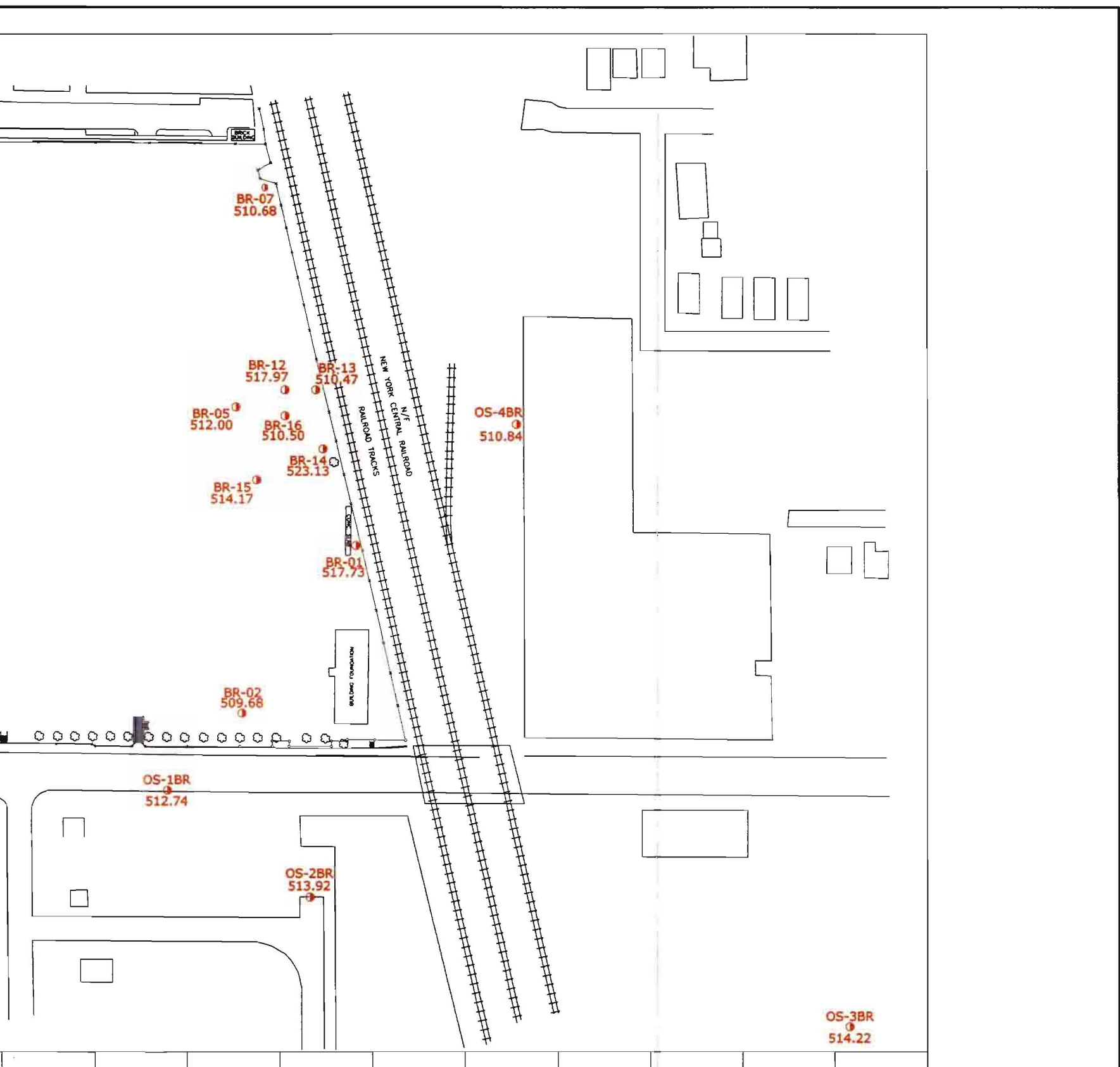


FIGURE 7
 BEDROCK GROUNDWATER ELEVATIONS
 OCTOBER 2009 SAMPLING EVENT
 ANNUAL REPORT 2009
 FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK
 MACTEC

APPENDIX B

TABLES

**Table 1
Samples and Analysis**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Sample Date	VOCs ¹ Analysis	Natural Biodegradation Parameter Analysis ²	Description
BR-01	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
BR-02	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
BR-03	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
BR-04	05/06/09	X		Environmental Sample
	10/21/09	X		Environmental Sample
BR-05	05/05/09	X		Environmental Sample
	10/21/09	X		Environmental Sample
BR-05 (MS)	05/05/09	X		Matrix Spike
	10/21/09	X		Matrix Spike
BR-05 (MSD)	05/05/09	X		Matrix Spike Duplicate
	10/21/09	X		Matrix Spike Duplicate
BR-07	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
BR-08	05/04/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
BR-09	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
BR-10	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
BR-11	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
BR-11 (DUP)	05/05/09	X		Duplicate
	10/20/09	X		Duplicate
BR-15	05/06/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
BR-17	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
OB-04	05/06/09	X	X	Environmental Sample
	10/21/09	X	X	Environmental Sample
OB-05	05/05/09	X		Environmental Sample
	10/21/09	X		Environmental Sample
OB-06	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
OB-07	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
OB-07 (MS)	05/05/09	X		Matrix Spike
	10/20/09	X		Matrix Spike
OB-07 (MSD)	05/05/09	X		Matrix Spike Duplicate
	10/20/09	X		Matrix Spike Duplicate

See notes at end of table.

**Table 1 (Continued)
Samples and Analysis**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Sample Date	VOCs ¹ Analysis	Natural Biodegradation Parameter Analysis ²	Description
OB-08	05/06/09	X	X	Environmental Sample
	10/21/09	X	X	Environmental Sample
OB-09	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
QAFB01	05/05/09	X		Field Blank
	10/20/09	X		Field Blank
QAFB02	05/06/09	X		Field Blank
	10/20/09	X		Field Blank
QARB01	05/05/09	X		Rinsate Blank
	10/20/09	X		Rinsate Blank
QARB02	05/05/09	X		Rinsate Blank
	10/20/09	X		Rinsate Blank
QATB01	05/05/09	X		Trip Blank
	10/20/09	X		Trip Blank
QATB02	05/05/09	X		Trip Blank
TW-04	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
TW-07	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
TW-09	05/06/09	X		Environmental Sample
	10/21/09	X		Environmental Sample
TW-17	05/05/09	X		Environmental Sample
	10/20/09	X		Environmental Sample
TW-20	05/04/09	X		Environmental Sample
	10/19/09	X		Environmental Sample
W-5	05/06/09	X		Environmental Sample
	10/21/09	X		Environmental Sample
W-5 (DUP)	05/06/09	X		Duplicate
	10/21/09	X		Duplicate

¹ VOCs analyzed by Method 8260B.

² Natural biodegradation parameters include total organic carbon by Method SM5310B; methane and ethene by Method RKS175; carbon dioxide by Method SM4500CO2C; and volatile fatty acids.

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

Prepared by J. Stone/C. Wolf on 11/3/09

Checked by J. Deatherage on 11/30/09

Table 2
Summary of Extraction Well VOC Results for the
Baseline Sampling Event

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
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: * = one-time sampling event

-- = no detections

µg/L = micrograms per liter

1,1-DCE = 1,1-dichloroethene

cis-1,2-DCE = cis-1,2-dichloroethene

trans-1,2-DCE = trans-1,2-dichloroethene

DUP = duplicate

ID = identification

J = estimated value

TCE = trichloroethene

VOC = volatile organic compound

Prepared by J. Deatherage on 11/17/08

Checked by J. Stone on 12/09/08

Table 3
Summary of Overburden VOC Results for
the 2008-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-04	05/05/08	125	875	5.72	1.60	145
OB-04	11/06/08	44.9	258	2.80	--	114
OB-04	05/06/09	28.9	102	2.27	--	21.7
OB-04	10/21/09	32.8	59.6	--	--	49.8
OB-05	05/04/08	210	1.97	--	--	--
OB-05	11/06/08	257	2.54	--	--	--
OB-05	05/05/09	242	2.65	--	--	--
OB-05	10/21/09	364	3.45	--	--	--
OB-06	05/03/08	72.6	3.90	--	--	--
OB-06	11/05/08	89.8	4.82	--	--	--
OB-06	05/05/09	78.3	6.03	--	--	--
OB-06	10/20/09	121	12.6	--	--	--
OB-07	05/03/08	3.57	--	--	--	--
OB-07	11/05/08	14.2	--	--	--	--
OB-07	05/05/09	3.47	--	--	--	--
OB-07	10/20/09	13.3	1.10	--	--	--
OB-08	05/05/08	--	41.4	8.07	--	47.8
OB-08	11/06/08	--	53.9	14.8	--	68.9
OB-08	05/06/09	--	42.5	10.2	--	83.8
OB-08	10/21/09	--	35.2	12.4	--	111
OB-09	05/04/08	55.0	2.05	--	--	--
OB-09	11/05/08	129	14.2	--	--	--
OB-09	05/05/09	62.6	1.18	--	--	--
OB-09	10/20/09	82.9	1.84	--	--	--
TW-04	05/03/08	4.40	--	--	--	--
TW-04	11/04/08	21.3	--	--	--	--
TW-04	05/04/09	4.78	--	--	--	--
TW-04	10/19/09	--	--	--	--	--
TW-07	05/03/08	--	--	--	--	--
TW-07	11/04/08	7.06	1.02	1.09	--	--
TW-07	05/04/09	1.02	--	--	--	--
TW-07	10/19/09	14.7	2.47	2.20	--	--
TW-09	05/05/08	50.5	4.70	4.87	--	--
TW-09	11/06/08	71.2	12.6	12.0	--	--
TW-09	05/06/09	72.1	32.6	32.0	--	5.83
TW-09	10/21/09	82.9	34.4	34.6	--	--
TW-17	05/04/08	477	4.19	--	--	--
TW-17	11/05/08	270	110	--	--	--
TW-17	05/05/09	332	6.46	--	--	--
TW-17	10/20/09	94	199	5.92	--	--

See notes at end of table.

**Table 3 (Continued)
Summary of Overburden VOC Results for the
2008-2009 Sampling Events**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-20	05/02/08	4.50	--	--	--	--
TW-20	11/04/08	23.0	3.47	--	--	--
TW-20	05/04/09	25.2	1.55	--	--	--
TW-20	10/19/09	78.8	5.50	--	--	--
W-5	05/05/08	1,180	314	4.41	--	6.77 J
W-5 (DUP)	05/05/08	1,110	342	4.33	--	13.6 J
W-5	11/06/08	687	143	3.28	--	8.86
W-5 (DUP)	11/06/08	703	126	2.88	--	8.85
W-5	05/06/09	961	124	2.61	--	1.33
W-5 (DUP)	05/06/09	961	123	2.69	--	--
W-5	10/21/09	664	59.9	1.55	--	5.39J
W-5 (DUP)	10/21/09	642	68.2	1.61	--	7.42

Notes: A comprehensive historical summary of results is presented in Appendix C.

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

Prepared by C. Wolf on 11/10/09
Checked by J. Deatherage on 11/30/09

**Table 4
Summary of Bedrock VOC Results for the
2008-2009 Sampling Events**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-01	05/02/08	4.19	10.7	1.63	--	--
BR-01	11/04/08	--	98.7	2.23	--	--
BR-01	05/04/09	3.26	11.3	1.95	--	--
BR-01	10/19/09	--	6.92	--	--	--
BR-02	05/02/08	153	74.2	14.0	--	--
BR-02	11/04/08	90.9	48.1	11.4	--	1.54
BR-02	05/04/09	88.1	142	20.5	1.00	1.19
BR-02	10/19/09	254	100	13.4	1.03	1.22
BR-03	05/03/08	588	5.20	--	1.81	--
BR-03	11/04/08	61.8	4.61	--	--	--
BR-03	05/04/09	202	3.10	--	--	--
BR-03	10/19/09	365	29.3	1.02	2.05	--
BR-04	05/04/08	332	647	17.7	2.83	1.37
BR-04	11/06/08	7.04	490	8.51	--	3.28
BR-04	05/06/09	498	163	10.9	1.59	--
BR-04	10/21/09	25.1	167	5.24	--	1.72
BR-05	05/04/08	65.2	126	7.39	--	11.6
BR-05	11/06/08	15.1	16.3	1.02	--	--
BR-05	05/05/09	74.7	124	8.83	1.16	8.79
BR-05	10/21/09	3.16	42.9	2.19	--	2.53
BR-06	05/08	NS	NS	NS	NS	NS
BR-06	11/05/08	--	--	--	--	--
BR-06	05/09	NS	NS	NS	NS	NS
BR-06	10/09	NS	NS	NS	NS	NS
BR-07 (DUP)	05/02/08	--	2.40	2.67	--	7.16
BR-07	11/04/08	--	7.98	10.4	--	23.1
BR-07	05/04/09	--	1.61	2.61	--	5.00
BR-07	10/19/09	--	1.73	5.82	--	4.49
BR-08 (Deep)	05/05/08	5.05	99.2	6.12	--	12.8
BR-08 (Deep)	11/05/08	2.09	36.2	2.43	--	2.20
BR-08 (Deep)	05/04/09	2.05	63.8	3.63	--	5.44
BR-08 (Deep)	10/20/09	2.30	42.8	2.22	--	3.21
BR-09	05/04/08	2.88	7.81	--	--	--
BR-09	11/05/08	3.01	28.4	--	--	--
BR-09	05/05/09	--	2.97	--	--	--
BR-09	10/20/09	3.37	7.97	--	--	--
BR-10	05/04/08	357	94.6	10.7	--	1.40
BR-10	11/05/08	8.44	3.02	--	--	--
BR-10	05/05/09	235	66.1	10.3	--	1.07
BR-10	10/20/09	48	22	2.79	--	--

See notes at end of table.

**Table 4 (Continued)
Summary of Bedrock VOC Results for the
2008-2009 Sampling Events**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-11	05/03/08	10.7	45.0	8.03	--	1.54
BR-11	11/05/08	31.8	100	16.0	--	2.54
BR-11 (DUP)	11/05/08	30.0	101	16.1	--	2.59
BR-11	05/05/09	104	152	32.0	--	1.32
BR-11(DUP)	05/05/09	105	153	31.9	--	1.40
BR-11	10/20/09	21.1	71.4	7.38	--	--
BR-11(DUP)	10/20/09	23.7	81.6	8.47	--	--
BR-15	05/04/08	43.4	449	2.94	1.38	28.2
BR-15	11/06/08	4.08	4.04	--	--	--
BR-15	05/06/09	261	105	1.33	--	6.40
BR-15	10/20/09	38.0	19.3	--	--	--
BR-17	05/03/08	47.8	221	41.6	1.83	5.30
BR-17	11/05/08	15.4	6.33	1.20	--	--
BR-17	05/04/09	11.9	25.7	4.39	--	--
BR-17	10/19/09	4.27	4.42	--	--	--

Notes: A comprehensive historical summary of results is presented in Appendix C.

-- = no detections
µg/L = micrograms per liter
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
DUP = duplicate
ID = identification
NS = not sampled
TCE = trichloroethene
VOC = volatile organic compound

Prepared by C. Wolf on 11/10/09

Checked by J. Deatherage on 11/30/09

**Table 5
Summary of Natural Biodegradation Results**

2009 Annual Progress Report and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

	Value Favorable for Natural Bioremediation	OB-08 Baseline September 2006	OB-08 May 2009	OB-08 October 2009	OB-04 Baseline September 2006	OB-04 May 2009	OB-04 October 2009
DO (mg/L)	< 0.5	0.11	3.90	0	0.35	4.03	0
ORP (mV)	< 50	43	-199	-179	-11	-185	-343
Temperature (°C)	> 20	18.81	13.63	18	20.26	14.07	18.4
pH	5 < pH < 9	7.42	6.85	7.07	7.22	6.12	6.59
Methane (mg/L)	> 0.5	<0.026	7.9	12.0	<0.026	13.8	11.9
Ethene (mg/L)	> 0.01	<0.026	0.323	0.312	<0.026	0.250	0.187
CO ₂ (mg/L)	Note 1	13.6	24.8	<5.0	19.9	136	28.3
TOC (mg/L)	> 20	1.86	6.91	5.85	4.39	112	53.8
Lactic Acid (mg/L)	>0.1	<25	<0.1	0.11	<25	<1	<0.1
Pyruvic Acid (mg/L)	>0.1	<10	<4	<0.07	<10	<4	0.19
Butyric Acid (mg/L)	>0.1	<1	<0.1	<0.07	<1	3.2	2.0
Propionic Acid (mg/L)	>0.1	<1	<0.1	<0.07	<1	4.3	0.92
Acetic Acid (mg/L)	>0.1	<1	<0.1	<0.07	<1	236.5	80
Formic Acid (mg/L)	>0.1	--	<0.1	<0.1	--	<1	0.66
TCE (µg/L)	NA	734	<1	<1	340	28.9	32.8
Presence of Daughter Products	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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

Prepared by C. Wolf on 1/26/10
Checked by J. Deatherage on 1/29/10

Note 1: A value greater than two times the background value is considered favorable for natural biodegradation. Baseline CO₂ values are considered background.

Notes: **Shading** indicates parameters supportive of natural biodegradation.

-- = not sampled
°C = degrees Celsius
CO₂ = carbon dioxide
DO = dissolved oxygen
EPA = Environmental Protection Agency (United States)

mg/L = milligrams per liter
mV = millivolt
ORP = oxygen reduction potential
TOC = total organic carbon
µg/L = micrograms per liter

Table 6
Decline of TCE Concentrations Over Time

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Well ID ¹	Area	High (ppb) BL/ Post BL	October 2009 result	% Decline ²
Source Area Monitoring Wells				
OB-04	South	71,500	32.8	99
OB-06	South	5,600	121	98
OB-05	North	25,000	364	99
OB-08	North	40,000	1 U	99
BR-04	South	10,000	25.1	99
BR-09	South	13,000	3.37	99
BR-10	South	8,700	48	99
BR-11	South	60,000	21.1	99
BR-17	South	6,900	4.27	99
BR-05	North	5,800	3.16	99
BR-15	North	6,590	38.0	99
BR-08 (deep)	South	1,100	2.30	99
Plume Monitoring Wells				
OB-07	South	21.8	13.3	39
OB-09	North	180	82.9	54
Perimeter Monitoring Wells				
TW-09	Between	230	82.9	64
TW-04	South	51.1	1 U	99
TW-07	South	74	14.7	80
TW-17	North	1,000	94	91
TW-20	Between	78.8	78.8	0
BR-01	North	551	1 U	99
BR-02	South	7,000	254	96
BR-03	South	1,150	365	68
BR-07	North	7.4	1 U	99
W-5	North	1,435	664	54
¹ Upgradient wells not shown include MW-00, TW-01, TW-13, TW-74, W-1, W-2, W-3, W-4, and W-6. Other wells not shown: BR-06, BR-12, BR-13, BR-14, and BR-16. Removed from semi-annual sampling program based on historical groundwater results. ² Percent decline determined by comparing current value (October 2009) to the highest BL/Post BL value.				
Notes: BL = baseline ID = identification ppb = parts per billion U = no detections				
Prepared by <u>C. Wolf</u> on <u>11/9/09</u> Checked by <u>J. Deatherage</u> on <u>11/30/09</u>				

APPENDIX C

HISTORICAL SUMMARY OF RESULTS

Table C-1
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-04	11/19/00	70,000	2,900	--	--	--
OB-04	03/24/01	150	3.2 J	--	--	--
OB-04	06/18/01	39,000	21,000	--	--	--
OB-04	09/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-04	12/17/01	71,500	56,000	170	108	10.2
OB-04	03/12/02	65,600	1,640	16.6	3.8	--
OB-04	06/09/02	3,650	554	--	--	--
OB-04	09/23/02	3,760	1,950	7.5	4.9	2
OB-04	12/09/02	46.3	5.5	--	--	--
OB-04	03/22/03	11.3	1.3	--	--	--
OB-04	06/13/03	41.5	6.7	--	--	--
OB-04	09/21/03	2,780	125	1.9	--	--
OB-04	12/14/03	23.3	3	--	--	--
OB-04	06/19/04	394	87.2	1.3	--	--
OB-04	12/05/04	626	124	1.6	--	--
OB-04	06/26/05	367	141	2.4	--	--
OB-04	12/03/05	385	139	1.14	--	--
OB-04	07/20/06	252	153	1.56	--	--
OB-04	12/06/06	1,920	892	--	--	1.19
OB-04	05/03/07	618	399	3.19	--	--
OB-04	12/13/07	109	1,350	5.43	2.19	95.1
OB-04	05/05/08	125	875	5.72	1.60	145
OB-04	11/06/08	44.9	258	2.80	--	114
OB-04	05/06/09	28.9	102	2.27	--	21.7
OB-04	10/21/09	32.8	59.6	--	--	49.8
OB-05	11/19/00	25,000	4,600	--	--	350
OB-05	03/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	09/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	12/01	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	03/02	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/10/02	52.8	--	--	--	--
OB-05	09/23/02	489	15	--	--	--
OB-05	12/09/02	604	13	--	--	--
OB-05	03/03	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	06/13/03	97.2	2.5	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-05	09/03	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
OB-05	12/14/03	135	2.6	--	--	--
OB-05	06/20/04	65.4	1.2	--	--	--
OB-05	12/05/04	172	4.0	--	--	--
OB-05	06/29/05	155	1.7	--	--	--
OB-05	12/03/05	81.3	1.12	--	--	--
OB-05	07/21/06	69.9	--	--	--	--
OB-05	12/07/06	133	1.31	--	--	--
OB-05	05/03/07	98.8	1.35	--	--	--
OB-05	12/12/07	232	2.88	--	--	--
OB-05	05/04/08	210	1.97	--	--	--
OB-05	11/06/08	257	2.54	--	--	--
OB-05	05/05/09	242	2.65	--	--	--
OB-05	10/21/09	364	3.45	--	--	--
OB-06	11/17/00	2,600	60	--	--	--
OB-06 (DUP)	11/17/00	3,300	80 J	--	--	--
OB-06	03/21/01	540	--	--	--	--
OB-06	06/15/01	720	12 J	--	--	--
OB-06	09/13/01	5,600	240	9.0 J	--	--
OB-06	12/13/01	637	13.7	--	--	--
OB-06	03/08/02	526	7.8	--	--	--
OB-06	06/07/02	184	2.8	--	--	--
OB-06	09/20/02	386	10.1	--	--	--
OB-06	12/06/02	100	1.5	--	--	--
OB-06	03/20/03	84.9	1.5	--	--	--
OB-06	06/11/03	52.7	1.1	--	--	--
OB-06	09/18/03	242	2.6	--	--	--
OB-06	12/11/03	60	1	--	--	--
OB-06	06/17/04	38.6	--	--	--	--
OB-06	12/02/04	31.9	1.4	--	--	--
OB-06	06/26/05	37.1	1.8	--	--	--
OB-06	12/02/05	117	4.71	--	--	--
OB-06	07/21/06	60.5	2.59	--	--	--
OB-06	12/10/06	87.8	2.69	--	--	--
OB-06	05/03/07	66.3	4.85	--	--	--
OB-06	12/12/07	82.9	3.31	--	--	--
OB-06	05/03/08	72.6	3.90	--	--	--
OB-06	11/05/08	89.8	4.82	--	--	--
OB-06	05/05/09	78.3	6.03	--	--	--
OB-06	10/20/09	121	12.6	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-07	03/28/01	7.5	--	--	--	--
OB-07	06/17/01	10 J	--	--	--	--
OB-07	09/17/01	17	1.8 J	--	--	--
OB-07	12/17/01	21.8	7	--	--	--
OB-07	03/07/02	4.2	--	--	--	--
OB-07	06/06/02	7.1	--	--	--	--
OB-07	09/19/02	12.4	--	--	--	--
OB-07	12/05/02	10.2	--	--	--	--
OB-07	03/19/03	--	--	--	--	--
OB-07	06/11/03	6.2	--	--	--	--
OB-07	09/17/03	11.2	--	--	--	--
OB-07	12/10/03	10.7	--	--	--	--
OB-07	06/16/04	10.2	--	--	--	--
OB-07	12/01/04	11.0	--	--	--	--
OB-07	06/25/05	11.1	--	--	--	--
OB-07	12/05/05	10.2	--	--	--	--
OB-07	07/19/06	9.90	--	--	--	--
OB-07	12/11/06	12.0	--	--	--	--
OB-07	05/03/07	2.37	--	--	--	--
OB-07	12/11/07	10.2	--	--	--	--
OB-07	05/03/08	3.57	--	--	--	--
OB-07	11/05/08	14.2	--	--	--	--
OB-07	05/05/09	3.47	--	--	--	--
OB-07	10/20/09	13.3	1.10	--	--	--
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	03/12/02	15,750	208	8.6	2.7	--
OB-08	06/10/02	5,370	--	--	--	--
OB-08	09/24/02	5,440	110	3.6	--	--
OB-08	12/09/02	8,050	94.2	5	1.3	--
OB-08	03/24/03	3,480	37.3	2.2	--	--
OB-08	06/13/03	2,250	15.3	1.2	--	--
OB-08	09/22/03	2,780	32.1	3.1	--	--
OB-08	12/15/03	1,360	10.8	1.5	--	--
OB-08	06/20/04	725	13.1	2.5	--	--
OB-08	12/06/04	429	5.80	--	--	--
OB-08	06/29/05	570	3.3	--	--	--
OB-08	12/06/05	797	6.25	2.17	--	--
OB-08	07/21/06	890	7.85	3.91	--	--
OB-08	12/06/06	73.7	1,550	10.7	--	--
OB-08	05/03/07	2.48	3,750	29.6	12.7	3.08

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-08	12/13/07	--	1,150	32.0	4.24	1.54
OB-08	05/05/08	--	41.4	8.07	--	47.8
OB-08	11/06/08	--	53.9	14.8	--	68.9
OB-08	05/06/09	--	42.5	10.2	--	83.8
OB-08	10/21/09	--	35.2	12.4	--	111
OB-09	11/16/00	180	14	--	--	--
OB-09	03/26/01	150	16	--	--	--
OB-09	06/17/01	150	17	--	--	--
OB-09	09/15/01	180	23	3.5 J	--	--
OB-09	12/15/01	141	20.5	2.3	--	--
OB-09	03/06/02	117	12	--	--	--
OB-09	06/05/02	86	7.4	--	--	--
OB-09	09/18/02	153	16.6	1.6	--	--
OB-09	12/05/02	88.5	9.2	--	--	--
OB-09	03/19/03	44.2	4.6	--	--	--
OB-09	06/11/03	70.7	8.2	--	--	--
OB-09	09/17/03	95.9	10.3	--	--	--
OB-09	12/10/03	61.1	3.7	--	--	--
OB-09	06/16/04	57.5	3.1	--	--	--
OB-09	12/01/04	58.3	2.5	--	--	--
OB-09	06/25/05	41.5	--	--	--	--
OB-09	12/05/05	69.0	2.32	--	--	--
OB-09	07/18/06	60.4	2.26	--	--	--
OB-09	12/05/06	115	5.17	--	--	--
OB-09	05/03/07	41.6	1.88	--	--	--
OB-09	12/12/07	98.4	18.0	--	--	--
OB-09	05/04/08	55.0	2.05	--	--	--
OB-09	11/05/08	129	14.2	--	--	--
OB-09	05/05/09	62.6	1.18	--	--	--
OB-09	10/20/09	82.9	1.84	--	--	--
TW-01 ¹	10/24/00	--	--	--	--	--
TW-04	10/24/00	42	79	--	--	--
TW-04	03/22/01	14	16	--	--	--
TW-04	06/15/01	--	--	--	--	--
TW-04	09/14/01	27	38	--	--	--
TW-04	12/13/01	51.1	19.4	--	--	--
TW-04	03/05/02	51	3.7	--	--	--
TW-04	06/04/02	20.7	--	--	--	--
TW-04	09/17/02	21.2	7.1	--	--	--
TW-04	12/04/02	42.5	5.5	--	--	--
TW-04	03/18/03	--	--	--	--	--
TW-04	06/10/03	19.3	--	--	--	--
TW-04	09/16/03	29.2	3.1	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
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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-04	12/09/03	49.8	1.1	--	--	--
TW-04	06/15/04	12.7	--	--	--	--
TW-04	11/30/04	40.0	--	--	--	--
TW-04	06/24/05	9.20	1.7	--	--	--
TW-04	12/01/05	31.4	--	--	--	--
TW-04	07/18/06	27.9	--	--	--	--
TW-04	12/11/06	8.99	--	--	--	--
TW-04	05/03/07	4.66	--	--	--	--
TW-04	12/11/07	15.2	--	--	--	--
TW-04	05/03/08	4.40	--	--	--	--
TW-04	11/04/08	21.3	--	--	--	--
TW-04	05/04/09	4.78	--	--	--	--
TW-04	10/19/09	--	--	--	--	--
TW-07	10/25/00	28	7.2	28	--	--
TW-07	03/29/01	--	--	1.2 J	--	--
TW-07	06/16/01	27	3.9 J	13	--	--
TW-07	09/15/01	74	11	18	--	--
TW-07	12/15/01	42.6	7.7	21.4	--	--
TW-07	03/06/02	18.7	2.6	6.4	--	--
TW-07	06/05/02	5	--	--	--	--
TW-07	09/18/02	32.9	5.1	12.4	--	--
TW-07	12/04/02	46	6.3	15.4	--	--
TW-07	03/19/03	14.2	2.1	5.8	--	--
TW-07	06/10/03	8.1	--	1.1	--	--
TW-07	09/17/03	20.6	3.8	9.8	--	--
TW-07	12/10/03	21	2.9	6	--	--
TW-07	06/16/04	16.2	1.8	3.7	--	--
TW-07	12/01/04	23.0	5.6	8.4	--	--
TW-07	06/24/05	8.5	7.7	3.5	--	--
TW-07	09/18/02	32.9	5.1	12.4	--	--
TW-07	12/04/02	46	6.3	15.4	--	--
TW-07	03/19/03	14.2	2.1	5.8	--	--
TW-07	06/10/03	8.1	--	1.1	--	--
TW-07	09/17/03	20.6	3.8	9.8	--	--
TW-07	12/10/03	21	2.9	6	--	--
TW-07	06/16/04	16.2	1.8	3.7	--	--
TW-07	12/01/04	23.0	5.6	8.4	--	--
TW-07	06/24/05	8.5	7.7	3.5	--	--
TW-07	12/05/05	13.3	5.44	4.42	--	--
TW-07	07/18/06	17.6	18.3	5.56	--	--
TW-07	12/05/06	2.09	--	--	--	--
TW-07	05/03/07	1.11	--	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

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Former Taylor Instruments Site
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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-07	12/10/07	20.1	3.85	4.24	--	--
TW-07	05/03/08	--	--	--	--	--
TW-07	11/04/08	7.06	1.02	1.09	--	--
TW-07	05/04/09	1.02	--	--	--	--
TW-07	10/19/09	14.7	2.47	2.20	--	--
TW-09	10/24/00	230	36	--	--	--
TW-09	03/27/01	120	1.9 J	--	--	--
TW-09	06/16/01	200	7.4	--	--	--
TW-09	09/16/01	150	9.6	--	--	--
TW-09	12/15/01	110	4	--	--	--
TW-09	03/06/02	55.4	2	--	--	--
TW-09	06/05/02	36.5	--	--	--	--
TW-09	09/19/02	91.5	4	--	--	--
TW-09	12/05/02	38	--	--	--	--
TW-09	03/19/03	--	--	--	--	--
TW-09	06/11/03	29.4	--	--	--	--
TW-09	09/17/03	77	6.4	--	--	--
TW-09	12/10/03	36.8	1.2	--	--	--
TW-09	06/16/04	43.1	1.0	--	--	--
TW-09	12/02/04	46.2	2.4	--	--	--
TW-09	06/24/05	48.2	1.7	--	--	--
TW-09	12/05/05	45.0	1.48	--	--	--
TW-09	07/18/06	56.7	1.35	--	--	--
TW-09	12/06/06	34.3	2.60	--	--	--
TW-09	05/03/07	31.2	3.01	1.46	--	--
TW-09	12/13/07	29.8	1.28	--	--	--
TW-09	05/05/08	50.5	4.70	4.87	--	--
TW-09	11/06/08	71.2	12.6	12.0	--	--
TW-09	05/06/09	72.1	32.6	32.0	--	5.83
TW-09	10/21/09	82.9	34.4	34.6	--	--
TW-13	11/16/00	--	--	--	--	--
TW-13	03/20/01	--	--	--	--	--
TW-13	06/14/01	--	--	--	--	--
TW-13	09/12/01	--	--	--	--	--
TW-13	12/12/01	--	--	--	--	--
TW-13	03/08/02	--	--	--	--	--
TW-13	06/07/02	--	--	--	--	--
TW-13	09/19/02	--	--	--	--	--
TW-13 ²	12/06/02	--	--	--	--	--
TW-17	11/17/00	1,000	7.9 J	--	--	--
TW-17	03/23/01	530	--	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 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-17	06/16/01	490	--	--	--	--
TW-17	09/14/01	740	--	--	--	--
TW-17	12/14/01	515	--	--	--	--
TW-17	03/05/02	339	--	--	--	--
TW-17	06/04/02	393	--	--	--	--
TW-17	09/18/02	666	--	--	--	--
TW-17	12/04/02	390	--	--	--	--
TW-17	03/18/03	379	--	--	--	--
TW-17	06/10/03	282	--	--	--	--
TW-17	09/16/03	435	--	--	--	--
TW-17	12/09/03	441	--	--	--	--
TW-17	06/15/04	280	--	--	--	--
TW-17	11/30/04	407	6.9	--	--	--
TW-17	06/24/05	340	1.0	--	--	--
TW-17	12/01/05	397	1.35	--	--	--
TW-17	07/18/06	410	2.04	--	--	--
TW-17	12/06/06	246	7.47	--	--	--
TW-17	05/02/07	253	5.87	--	--	--
TW-17	12/12/07	296	3.98	--	--	--
TW-17	05/04/08	477	4.19	--	--	--
TW-17	11/05/08	270	110	--	--	--
TW-17	05/05/09	332	6.46	--	--	--
TW-17	10/20/09	94	199	5.92	--	--
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	09/18/02	--	--	--	--	--
TW-20	12/04/02	11.6	--	--	--	--
TW-20	03/19/03	2.4	--	--	--	--
TW-20	06/10/03	--	--	--	--	--
TW-20	09/17/03	5.0	--	--	--	--
TW-20	12/10/03	14.8	--	--	--	--
TW-20	06/15/04	--	--	--	--	--
TW-20	12/01/04	--	--	--	--	--
TW-20	06/24/05	1.5	--	--	--	--
TW-20	12/01/05	6.32	--	--	--	--
TW-20	07/18/06	12.0	--	--	--	--
TW-20	12/06/06	13.2	--	--	--	--
TW-20	05/02/07	8.28	--	--	--	--
TW-20	12/11/07	4.58	--	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
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Former Taylor Instruments Site
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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-20	05/02/08	4.50	--	--	--	--
TW-20	11/04/08	23.0	3.47	--	--	--
TW-20	05/04/09	25.2	1.55	--	--	--
TW-20	10/19/09	78.8	5.50	--	--	--
W-2 ¹	10/21/00	--	--	--	--	--
W-2 ³	12/09/03	--	--	--	--	--
W-2	11/30/04	--	--	--	--	--
W-2 ⁴	12/01/05	--	--	--	--	--
W-4	11/17/00	--	--	--	--	--
W-4	03/22/01	1.6 J	--	--	--	--
W-4	06/15/01	1.1 J	--	--	--	--
W-4	09/13/01	--	--	--	--	--
W-4	12/12/01	--	--	--	--	--
W-4	03/08/02	--	--	--	--	--
W-4	06/07/02	--	--	--	--	--
W-4	09/19/02	--	--	--	--	--
W-4 ²	12/06/02	1	--	--	--	--
W-5	11/16/00	--	27	11	--	--
W-5	03/23/01	120	25	8.1	--	--
W-5	06/18/01	62	23	9.6	--	--
W-5	09/17/01	64	9.1	6.5	--	--
W-5 (DUP)	09/17/01	62	11	7.3	--	--
W-5	12/17/01	1,435	39.5	9	--	--
W-5 (DUP)	12/17/01	1,780	36.2	8.5	--	--
W-5	03/07/02	737	21.6	3.5	--	--
W-5 (DUP)	03/07/02	607	23.2	3.9	--	--
W-5	06/06/02	155	15.7	--	--	--
W-5 (DUP)	06/06/02	150	13.8	--	--	--
W-5	09/19/02	960	49.6	--	--	--
W-5 (DUP)	09/19/02	676	48.5	4.7	--	--
W-5	12/05/02	777	52	3.6	--	--
W-5 (DUP)	12/05/02	843	51.7	4	--	--
W-5	03/20/03	262	132	3.4	--	--
W-5 (DUP)	03/20/03	232	119	3.3	--	--
W-5	06/11/03	234	128	5	--	--
W-5 (DUP)	06/11/03	234	152	5.1	--	--
W-5	09/18/03	510	129	4	--	--
W-5 (DUP)	09/18/03	444	112	3.9	--	--
W-5	12/11/03	550	127	3.5	--	--
W-5 (DUP)	12/11/03	520	118	3.4	--	--
W-5	06/16/04	348	98.9	5.4	--	--
W-5 (DUP)	06/16/04	360	71.6	4.6	--	--
See notes at end of table.						

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
W-5	12/02/04	569	125	4.7	--	--
W-5 (DUP)	12/02/04	725	89.4	4.4	--	--
W-5	06/25/05	381	98.2	3.7	--	--
W-5 (DUP)	06/25/05	380	93.2	3.5	--	--
W-5	12/05/05	1,100	76.9	2.13	--	--
W-5 (DUP)	12/05/05	916	69.5	--	--	--
W-5	07/19/06	212	104	2.34	--	3.63
W-5 (DUP)	07/19/06	219	99.0	2.30	--	3.81
W-5	12/05/06	263	122	2.89	--	7.14
W-5	05/03/07	1,140	340	4.61	--	4.43
W-5 (DUP)	05/03/07	1,070	336	4.60	--	4.00
W-5	12/13/07	835	158	3.83	--	22.1
W-5 (DUP)	12/13/07	850	124	3.36	--	16.1
W-5	05/05/08	1,180	314	4.41	--	6.77 J
W-5 (DUP)	05/05/08	1,110	342	4.33	--	13.6 J
W-5	11/06/08	687	143	3.28	--	8.86
W-5 (DUP)	11/06/08	703	126	2.88	--	8.85
W-5	05/06/09	961	124	2.61	--	1.33
W-5 (DUP)	05/06/09	961	123	2.69	--	--
W-5	10/21/09	664	59.9	1.55	--	5.39J
W-5 (DUP)	10/21/09	642	68.2	1.61	--	7.42
W-6	10/24/00	--	--	--	--	--
W-6 ⁵	03/01	NS	NS	NS	NS	NS
W-6 ⁵	06/01	NS	NS	NS	NS	NS
W-6	9/13/01	--	--	--	--	--
W-6	12/12/01	--	--	--	--	--
W-6	03/09/02	--	3	--	--	--
W-6	06/08/02	--	10.3	--	--	--
W-6	09/21/02	--	9.6	--	--	--
W-6	12/07/02	--	8.1	--	--	--
W-6	03/22/03	--	5.7	--	--	--
W-6	06/13/03	--	9.7	1.4	--	--
W-6	09/20/03	--	14.2	--	--	--
W-6	12/11/03	1.7	4.6	--	--	--
W-6	06/19/04	--	3.2	--	--	--
W-6	12/03/04	1.0	7.1	1.0	--	--
W-6	06/26/05	--	--	--	--	--
W-6 ⁴	12/03/05	--	1.76	--	--	--

See notes at end of table.

Table C-1 (Continued)
Summary of Overburden VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
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- ¹ Removed from sampling program based on recommendations made in the Quarterly Progress Report, First Quarter 2001 (MACTEC, 2001).
- ² Removed from sampling program based on based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation* (MACTEC, 2003).
- ³ Sampled annually beginning in December 2003 based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation* (MACTEC, 2003).
- ⁴ Removed from sampling program based on recommendations made in the *2005 Annual Progress Report* (MACTEC, 2006).
- ⁵ W-6 was not sampled due to obstruction.

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

Prepared by C. Wolf on 11/3/09
Checked by J. Deatherage on 12/1/09

**Table C-2
Summary of Bedrock VOC Results for the
Baseline and 2001-2009 Sampling Events**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-01	11/17/00	180	550	4.3 J	--	3.5 J
BR-01	03/21/01	320	34	2.2 J	--	--
BR-01 (DUP)	03/21/01	320	35	2.4 J	--	--
BR-01	06/16/01	270	59	4.4 J	--	--
BR-01	09/14/01	31	170	16	--	--
BR-01	12/14/01	63.8	77.5	2	--	--
BR-01	03/09/02	47.3	5.5	1.6	--	--
BR-01	06/08/02	85.7	10.1	3.2	--	--
BR-01	09/20/02	107	16	4	--	--
BR-01	12/07/02	14.3	83	3.8	--	--
BR-01	03/21/03	25.8	2.1	1	--	--
BR-01	06/12/03	60.9	4.6	2.8	--	--
BR-01	09/19/03	102	11.4	1.7	--	--
BR-01	12/12/03	127	61.7	20.6	--	--
BR-01	06/18/04	551	42	6.1	--	--
BR-01	12/03/04	65	4.3	1.4	--	--
BR-01	06/26/05	199	6.5	1.0	--	--
BR-01	12/02/05	1.12	36.2	1.10	--	--
BR-01	07/19/06	--	3.09	--	--	--
BR-01	12/08/06	--	3.73	--	--	--
BR-01	05/02/07	67.5	10.6	--	--	--
BR-01	12/10/07	--	70.6	4.33	--	--
BR-01	05/02/08	4.19	10.7	1.63	--	--
BR-01	11/04/08	--	98.7	2.23	--	--
BR-01	05/04/09	3.26	11.3	1.95	--	--
BR-01	10/19/09	--	6.92	--	--	--
BR-02	11/18/00	1,800	540	31 J	--	--
BR-02	03/21/01	1,200	95	--	--	--
BR-02	06/17/01	1,000	94	27 J	--	--
BR-02	09/15/01	7,000	1,500	63	31 J	--
BR-02	12/15/01	6,500	1,830	59.8	30.3	19.6
BR-02	03/09/02	588	79.6	20.8	1.2	--
BR-02	06/08/02	568	122	2.2	--	--
BR-02	09/21/02	768	518	24.4	4.6	18.7
BR-02	12/07/02	694	172	29.8	--	5.6
BR-02	03/21/03	4,000	19,100	154	156	64.9
BR-02	06/13/03	710	17,900	120	122	68.1
BR-02	09/18/03	372	245	23.3	--	--
BR-02	12/12/03	324	58.2	18.2	--	--
BR-02	06/18/04	450	257	33.8	2.8	2.3
BR-02	12/03/04	647	242	23.4	1.4	1.4

See notes at end of table.

Table C-2 (Continued)
Summary of Bedrock VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
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Former Taylor Instruments Site
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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-02	06/27/05	163	29	9.1	--	--
BR-02	12/03/05	114	23.1	9.08	--	--
BR-02	07/19/06	120	16.9	8.29	--	--
BR-02	12/08/06	113	31.1	11.3	--	--
BR-02	05/02/07	409	118	15.2	1.26	--
BR-02	12/10/07	134	38.6	14.1	--	--
BR-02	05/02/08	153	74.2	14.0	--	--
BR-02	11/04/08	90.9	48.1	11.4	--	1.54
BR-02	05/04/09	88.1	142	20.5	1.00	1.19
BR-02	10/19/09	254	100	13.4	1.03	1.22
BR-03	11/18/00	440	99	1.2 J	2.2 J	--
BR-03	03/22/01	810	12 J	--	3.2 J	--
BR-03	06/15/01	500	20 J	--	--	--
BR-03	09/14/01	330	7.8 J	--	--	--
BR-03	12/13/01	780	7.6	--	2.2	--
BR-03	03/08/02	599	9.8	--	2.1	--
BR-03	06/07/02	854	19.7	--	2.8	--
BR-03	09/20/02	370	6.5	--	--	--
BR-03	12/07/02	821	13.5	--	--	--
BR-03	03/21/03	590	7.7	--	2	--
BR-03	06/12/03	632	25.3	1.9	3	--
BR-03	09/18/03	1,150	10.4	1.5	3.1	--
BR-03	12/12/03	--	--	--	--	--
BR-03	06/17/04	446	17.0	1.1	1.5	--
BR-03	12/03/04	60.6	27.0	--	1.0	--
BR-03	06/26/05	73.4	5.6	--	--	--
BR-03	12/02/05	5.57	21.0	--	--	--
BR-03	07/19/06	248	6.97	--	--	--
BR-03	12/08/06	29.7	27.3	--	--	--
BR-03	05/01/07	701	7.32	--	1.89	--
BR-03	12/11/07	35.4	21.8	--	--	--
BR-03	05/03/08	588	5.20	--	1.81	--
BR-03	11/04/08	61.8	4.61	--	--	--
BR-03	05/04/09	202	3.10	--	--	--
BR-03	10/19/09	365	29.3	1.02	2.05	--
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	--	--

See notes at end of table.

Table C-2 (Continued)
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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-04	09/23/02	3,310	551	63.1	8.3	32.2
BR-04	12/09/02	5,300	535	77.6	8.3	27.1
BR-04	03/23/03	4,630	473	52	6.8	14.8
BR-04	06/13/03	302	1,280	19.5	3.6	1.2
BR-04	09/21/03	2,540	560	61	5.4	32.2
BR-04	12/14/03	3,650	507	51.9	6.2	14.3
BR-04	06/19/04	102	1,420	45.8	6.4	3.0
BR-04	12/05/04	4,090	2,810	90.0	15.3	8.3
BR-04	06/28/05	6.6	937	22.5	1.6	1.2
BR-04	12/03/05	16.4	127	2.21	--	--
BR-04	07/20/06	3,940	6,410	147	21.3	12.9
BR-04	12/09/06	5.32	2,030	24.1	3.17	5.21
BR-04	05/01/07	56.9	446	12.7	1.09	--
BR-04	12/12/07	8.64	240	4.36	--	3.07
BR-04	05/04/08	332	647	17.7	2.83	1.37
BR-04	11/06/08	7.04	490	8.51	--	3.28
BR-04	05/06/09	498	163	10.9	1.59	--
BR-04	10/21/09	25.1	167	5.24	--	1.72
BR-05	11/19/00	4,800	1,200	130	--	160
BR-05	03/25/01	5,800	850	120 J	--	160
BR-05	06/19/01	4,300	1,600	130	37 J	290
BR-05 (DUP)	06/19/01	3,700	1,500	--	--	270
BR-05	09/18/01	2,500	1,800	150	38 J	420
BR-05	12/18/01	3,420	2,480	153.5	41.5	290.5
BR-05	03/12/02	3,050	1,734	164	40.2	326
BR-05	06/10/02	4,470	118	23	25	176
BR-05	09/23/02	2,950	1,720	138	29.7	434
BR-05	12/09/02	3,140	2,240	170	49.1	390
BR-05	03/23/03	2,440	1,040	113	20	184
BR-05	06/13/03	56.8	216	15.3	1.9	38.7
BR-05	09/21/03	2,380	1,600	151	17.9	380
BR-05	12/14/03	1.2	3.7	--	--	--
BR-05	06/20/04	42.3	116	10.4	1.4	17.5
BR-05	12/05/04	1.7	12.8	--	--	2.1
BR-05	06/28/05	60.1	268	18.3	1.8	23.1
BR-05	12/03/05	1.45	6.33	--	--	--
BR-05	07/20/06	14.4	95.5	5.52	--	6.68
BR-05	12/09/06	1.25	4.51	--	--	--
BR-05	05/02/07	24.8	75.9	5.00	--	9.10
BR-05	12/13/07	--	--	--	--	--
BR-05	05/04/08	65.2	126	7.39	--	11.6

See notes at end of table.

Table C-2 (Continued)
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BR-05	11/06/08	15.1	16.3	1.02	--	--
BR-05	05/05/09	74.7	124	8.83	1.16	8.79
BR-05	10/21/09	3.16	42.9	2.19	--	2.53
BR-06	11/17/00	--	--	--	--	--
BR-06	03/22/01	--	--	--	--	--
BR-06	06/15/01	1.6 J	--	--	--	--
BR-06	09/12/01	--	--	--	--	--
BR-06	12/12/01	--	--	--	--	--
BR-06	03/09/02	--	--	--	--	--
BR-06	06/08/02	--	--	--	--	--
BR-06	09/21/02	--	--	--	--	--
BR-06 ¹	12/08/02	--	--	--	--	--
BR-06	12/09/03	--	--	--	--	--
BR-06	12/06/04	--	2.6	--	--	--
BR-06	12/06/05	--	--	--	--	--
BR-06	12/08/06	--	--	--	--	--
BR-06	12/10/07	--	--	--	--	--
BR-06	11/05/08	--	--	--	--	--
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	09/21/02	4	27.3	14.8	--	90.4
BR-07 (DUP)	09/21/02	2.8	28.5	15.2	--	89.5
BR-07	12/08/02	--	17.6	10.1	--	64.6
BR-07 (DUP)	12/08/02	--	17.8	10.4	--	65.9
BR-07	03/21/03	3.9	35.9	18	--	97.5
BR-07 (DUP)	03/21/03	3.9	36	18.8	--	102
BR-07	06/13/03	2.3	30.7	15.8	--	101
BR-07 (DUP)	06/13/03	2.2	31.9	16	--	99.1
BR-07	09/19/03	1.1	12.8	8.1	--	55.9
BR-07 (DUP)	09/19/03	--	15.4	9.5	--	66.3
BR-07	12/12/03	--	13.7	8.5	--	46
BR-07 (DUP)	12/12/03	NA ³	NA ³	NA ³	NA ³	NA ³
BR-07	06/18/04	--	3.4	1.0	--	6.2
BR-07 (DUP)	06/18/04	--	3.4	1.0	--	6.8

See notes at end of table.

Table C-2 (Continued)
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BR-07	12/04/04	--	4.6	3.0	--	12.4
BR-07 (DUP)	12/04/04	--	4.9	3.4	--	13.9
BR-07	06/28/05	--	3.0	2.5	--	7.3
BR-07 (DUP)	06/28/05	--	2.9	2.3	--	6.6
BR-07	12/03/05	--	6.01	4.72	--	15.6
BR-07 (DUP)	12/03/05	--	6.30	4.74	--	16.5
BR-07	07/19/06	--	4.54	3.79	--	11.2
BR-07 (DUP)	07/19/06	--	4.69	3.84	--	11.0
BR-07	12/08/06	6.37	38.0	23.6	--	98.1
BR-07 (DUP)	12/08/06	7.6	36.6	21.1	--	99.3
BR-07	05/01/07	--	3.99	3.03	--	11.0
BR-07	12/10/07	--	5.45	7.07	--	14.8
BR-07 (DUP)	12/10/07	--	5.20	7.16	--	14.4
BR-07	05/02/08	--	2.46	2.70	--	7.06
BR-07 (DUP)	05/02/08	--	2.40	2.67	--	7.16
BR-07	11/04/08	--	7.98	10.4	--	23.1
BR-07	05/04/09	--	1.61	2.61	--	5.00
BR-07	10/19/09	--	1.73	5.82	--	4.49
BR-08 (Deep)	11/19/00	540	44	5.2 J	--	7.0 J
BR-08 (Deep)	03/24/01	1,100	320	6.7 J	--	--
BR-08 (Deep)	06/15/01	720	210	--	--	--
BR-08 (Deep)	09/13/01	830	250	--	--	--
BR-08 (Deep)	12/13/01	649	246	3	--	3.1
BR-08 (Deep)	03/08/02	621	242	3	--	4
BR-08 (Deep)	06/07/02	528	212	2.8	--	--
BR-08 (Deep)	09/20/02	463	220	2.8	--	--
BR-08 (Deep)	12/06/02	398	222	3.3	1.2	4.5
BR-08 (Deep)	03/20/03	256	150	--	--	--
BR-08 (Deep)	06/12/03	289	184	2.7	--	--
BR-08 (Deep)	09/18/03	322	242	8.7	--	--
BR-08 (Deep)	12/11/03	384	345	42	2.2	7.3
BR-08 (Deep)	06/17/04	106	188	18.7	--	2.9
BR-08 (Deep)	12/02/04	134	166	18.9	1.0	3.6
BR-08 (Deep)	06/27/05	50	126	14.7	--	3.4
BR-08 (Deep)	12/02/05	11.4	42.4	4.24	--	--
BR-08 (Deep)	07/19/06	12.5	80.2	--	--	2.90
BR-08 (Deep)	12/09/06	12.0	78.8	5.86	--	6.30
BR-08 (Deep)	05/02/07	8.69	113	6.34	--	13.0
BR-08 (Deep)	12/11/07	3.91	75.1	3.45	--	5.25
BR-08 (Deep)	05/05/08	5.05	99.2	6.12	--	12.8
BR-08 (Deep)	11/05/08	2.09	36.2	2.43	--	2.20
BR-08 (Deep)	05/04/09	2.05	63.8	3.63	--	5.44

See notes at end of table.

Table C-2 (Continued)
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BR-08 (Deep)	10/20/09	2.30	42.8	2.22	--	3.21
BR-09	11/18/00	13,000	190 J	--	--	--
BR-09	03/28/01	9,500	100 J	--	--	--
BR-09	06/19/01	1,500	36 J	--	--	--
BR-09	09/18/01	5,500	68 J	--	--	--
BR-09	12/18/01	6,000	60	2.9	--	--
BR-09	03/12/02	2,420	302	5.4	--	--
BR-09	06/10/02	6,530	--	--	--	--
BR-09	09/23/02	4,590	64.3	5.1	--	--
BR-09	12/09/02	9,030	95.3	7.3	1.3	--
BR-09	03/23/03	343	303	2.1	1	--
BR-09	06/13/03	57.5	14.9	--	--	--
BR-09	09/22/03	4,330	43.1	3.2	--	--
BR-09	12/15/03	1.7	199	1.5	--	--
BR-09	06/20/04	390	110	--	--	--
BR-09	12/05/04	16.4	6.7	--	--	--
BR-09	06/28/05	102	18.8	--	--	--
BR-09	12/06/05	--	19.4	--	--	--
BR-09	07/20/06	11.0	3.70	--	--	--
BR-09	12/09/06	1.39	--	--	--	--
BR-09	05/01/07	4.02	4.54	--	--	--
BR-09	12/12/07	1.28	2.14	--	--	--
BR-09	05/04/08	2.88	7.81	--	--	--
BR-09	11/05/08	3.01	28.4	--	--	--
BR-09	05/05/09	--	2.97	--	--	--
BR-09	10/20/09	3.37	7.97	--	--	--
BR-10	11/18/00	4,000	450	27 J	--	--
BR-10	03/28/01	4,700	980	110 J	--	--
BR-10	06/18/01	8,500	1,000	--	--	--
BR-10	09/17/01	8,700	1,700	160 J	--	--
BR-10	12/16/01	5,350	1,200	82.8	3.4	5.6
BR-10	03/11/02	3,745	1,090	78.2	3.9	5.5
BR-10	06/09/02	5,100	1,290	64.6	4.7	5.3
BR-10	09/22/02	--	120	9.8	--	--
BR-10	12/09/02	3,060	750	60.1	2.3	--
BR-10	03/22/03	2,580	886	42.2	2.5	3.1
BR-10	06/13/03	2,950	1,080	61.7	3.2	5.1
BR-10	09/21/03	2,250	400	49.4	2	16.1
BR-10	12/13/03	1,420	442	36.4	1.4	8.8

See notes at end of table.

Table C-2 (Continued)
Summary of Bedrock VOC Results for the
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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-10	06/19/04	1,520	507	62.9	2.9	6.8
BR-10	12/04/04	1,270	436	41.2	1.8	5.0
BR-10	06/27/05	558	166	17.3	--	1.3
BR-10	12/03/05	474	122	11.1	--	--
BR-10	07/20/06	52.3	12.2	1.53	--	--
BR-10	12/08/06	28.2	15.0	1.26	--	--
BR-10	05/02/07	226	57.8	5.87	--	--
BR-10	12/12/07	17.8	3.83	--	--	--
BR-10	05/04/08	357	94.6	10.7	--	1.40
BR-10	11/05/08	8.44	3.02	--	--	--
BR-10	05/05/09	235	66.1	10.3	--	1.07
BR-10	10/20/09	48	22	2.79	--	--
BR-11	11/18/00	1,400	320	52	--	13 J
BR-11	03/28/01	44,000	260	120	21	--
BR-11 (DUP)	03/28/01	52,000	270	120	19 J	21
BR-11	06/20/01	39,000	660 J	--	--	--
BR-11	09/18/01	60,000	--	--	--	--
BR-11	12/18/01	140	339	108	2	35.4
BR-11	03/13/02	33,300	370	106	10.9	28.1
BR-11	06/10/02	874	52	--	--	32
BR-11	09/24/02	37,200	440	82.4	12.2	18
BR-11	12/09/02	34,100	1,650	80.1	25.8	31.1
BR-11	03/24/03	26,600	338	--	8.1	25.7
BR-11	06/13/03	5,890	313	52.6	3	23.8
BR-11	09/22/03	22,700	400	65.7	7.7	28.3
BR-11	12/15/03	17.6	320	60.2	1.9	39
BR-11	06/20/04	181	238	49.7	2.2	20.8
BR-11	12/06/04	2.7	190	33.0	--	15.1
BR-11	06/28/05	392	267	20.4	1.3	3.0
BR-11	12/06/05	8.75	7.97	--	--	--
BR-11	07/20/06	16.7	255	47.2	1.28	7.43
BR-11	12/09/06	5.81	185	35.7	1.19	7.63
BR-11 (DUP)	12/09/06	8.66	200	40.4	1.46	9.82
BR-11	05/01/07	4.17	84.2	8.76	--	1.48
BR-11 (DUP)	05/01/07	4.18	81.6	8.49	--	1.47
BR-11	12/11/07	3.94	61.8	7.80	--	3.91
BR-11	05/03/08	10.7	45.0	8.03	--	1.54
BR-11	11/05/08	31.8	100	16.0	--	2.54
BR-11 (DUP)	11/05/08	30.0	101	16.1	--	2.59
BR-11	05/05/09	104	152	32.0	--	1.32
BR-11 (DUP)	05/05/09	105	153	31.9	--	1.40
BR-11	10/20/09	21.1	71.4	7.38	--	--

See notes at end of table.

Table C-2 (Continued)
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BR-11(DUP)	10/20/09	23.7	81.6	8.47	--	--
BR-12	11/19/00	200	8.1	--	--	--
BR-12	03/25/01	130	21	--	--	--
BR-12	06/17/01	99	26	--	--	--
BR-12	09/15/01	27	37	2.1 J	--	--
BR-12	12/16/01	--	3	--	--	--
BR-12	03/11/02	7.4	15.3	--	--	--
BR-12	06/09/02	17.4	9.6	--	--	--
BR-12	09/22/02	3.5	23.8	--	--	--
BR-12	12/08/02	--	28.6	--	--	--
BR-12	03/22/03	--	27.5	--	--	--
BR-12	06/13/03	--	18.3	--	--	--
BR-12	09/20/03	--	20.6	--	--	--
BR-12	12/12/03	--	2.2	--	--	--
BR-12	06/18/04	1.3	6.1	--	--	--
BR-12	12/04/04	1.0	5.1	--	--	--
BR-12 ⁴	06/26/05	--	6.4	--	--	--
BR-13	11/19/00	2.5 J	--	--	--	--
BR-13	03/25/01	3,200 J	150	14	1.7 J	1 J
BR-13	06/18/01	3,100	160	--	--	--
BR-13	09/16/01	2,600	160	--	--	--
BR-13	12/16/01	156	14.6	--	--	--
BR-13	03/11/02	132	23.7	--	--	--
BR-13	06/09/02	1,980	558	11.2	4.2	3.4
BR-13	09/22/02	3,240	800	22	6	5.1
BR-13	12/08/02	2.8	--	--	--	--
BR-13	03/22/03	--	--	--	--	--
BR-13	06/13/03	61.2	81	2.3	1	2.2
BR-13	09/20/03	3	8.5	--	--	--
BR-13	12/13/03	--	--	--	--	--
BR-13	06/19/04	--	--	--	--	--
BR-13	12/04/04	--	--	--	--	--
BR-13	06/28/05	--	--	--	--	--
BR-13 ⁴	12/03/05	--	--	--	--	--
BR-14 (Deep)	11/19/00	--	1.2 J	--	--	--
BR-14 (Deep)	03/23/01	1.2 J	--	--	--	--
BR-14 (Deep)	06/16/01	--	--	--	--	--
BR-14 (Deep)	09/13/01	--	--	--	--	--
BR-14 (Deep)	12/14/01	2.2	--	--	--	--
BR-14 (Deep)	03/09/02	--	--	--	--	--
BR-14 (Deep)	06/08/02	--	--	--	--	--
BR-14 (Deep)	09/20/02	--	--	--	--	--

See notes at end of table.

**Table C-2 (Continued)
Summary of Bedrock VOC Results for the
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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-14 (Deep)	12/07/02	--	--	--	--	--
BR-14 (Deep)	03/21/03	--	--	--	--	--
BR-14 (Deep)	06/12/03	--	--	--	--	--
BR-14 (Deep)	09/19/03	--	--	--	--	--
BR-14 (Deep)	12/12/03	148	17.6	--	--	--
BR-14 (Deep)	06/18/04	--	--	--	--	--
BR-14 (Deep)	12/03/04	--	--	--	--	--
BR-14 (Deep)	06/26/05	--	--	--	--	--
BR-14 (Deep) ⁴	12/02/05	--	--	--	--	--
BR-15	11/19/00	2,700	54 J	--	--	--
BR-15 (DUP)	11/19/00	2,700	49 J	--	--	--
BR-15	03/26/01	2,500	33 J	--	--	--
BR-15	06/18/01	2,300	49 J	--	--	--
BR-15	09/16/01	4,800	110 J	--	--	--
BR-15	12/16/01	6,590	189	28.2	2	1.1
BR-15	03/11/02	5,500	172	36.6	2.2	--
BR-15	06/09/02	5,800	373	36.9	4.6	3.8
BR-15	09/22/02	4,390	555	40.3	7.5	5.4
BR-15	12/08/02	4,740	177	43.6	2.8	--
BR-15	03/22/03	2,500	404	21.9	4.3	1.2
BR-15	06/13/03	1,180	1,390	24.8	8.4	3.9
BR-15	09/21/03	1,230	580	35.3	6.9	8.3
BR-15	12/13/03	2,000	194	24.9	2.8	--
BR-15	06/19/04	512	556	18.0	12.8	199
BR-15	12/04/04	664	136	5.4	1.3	--
BR-15	06/26/05	1,080	167	4.4	--	--
BR-15	12/03/05	760	117	2.36	--	--
BR-15	07/20/06	1,200	336	13.0	1.78	--
BR-15	12/10/06	390	138	3.30	1.20	1.44
BR-15	05/02/07	235	44.4	1.41	--	--
BR-15	12/12/07	212	380	2.81	1.48	15.7
BR-15	05/04/08	43.4	449	2.94	1.38	28.2
BR-15	11/06/08	4.08	4.04	--	--	--
BR-15	05/06/09	261	105	1.33	--	6.40
BR-15	10/20/09	38.0	19.3	--	--	--
BR-16	11/19/00	6.0	3.8 J	--	--	--
BR-16	03/25/01	1.2 J	--	--	--	--
BR-16	06/17/01	--	--	--	--	--
BR-16	09/15/01	--	--	--	--	--
BR-16	12/16/01	--	--	--	--	--
BR-16	03/10/02	--	--	--	--	--
BR-16	06/09/02	--	--	--	--	--
BR-16	09/21/02	--	--	--	--	--

See notes at end of table.

Table C-2 (Continued)
Summary of Bedrock VOC Results for the
Baseline and 2001-2009 Sampling Events

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-16 ²	12/08/02	--	--	--	--	--
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
BR-17	09/20/02	2,740	210	36.8	5.2	24.5
BR-17	12/06/02	186	204	65.2	5.2	63.2
BR-17	03/20/03	2,020	159	41	3.3	36.3
BR-17	06/12/03	3,320	199	44	2.5	43.7
BR-17	09/18/03	3,200	173	39.2	3.1	77.8
BR-17	12/11/03	5,360	216	49.9	3.9	66.7
BR-17	06/17/04	3,140	279	44.0	--	52.0
BR-17	12/02/04	4,550	463	56.1	12.7	52.3
BR-17	06/28/05	4.6	9.2	1.5	--	--
BR-17	12/02/05	5.01	1.24	--	--	--
BR-17	07/20/06	9.38	270	56.8	1.50	2.75
BR-17	12/10/06	13.6	325	57.4	2.10	2.48
BR-17	05/01/07	26.4	42.5	6.36	--	--
BR-17	12/11/07	9.06	3.51	--	--	--
BR-17	05/03/08	47.8	221	41.6	1.83	5.30
BR-17	11/05/08	15.4	6.33	1.20	--	--
BR-17	05/04/09	11.9	25.7	4.39	--	--
BR-17	10/19/09	4.27	4.42	--	--	--

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

² Removed from sampling program based on based on recommendations made in the *Quarterly Progress Report, Fourth Quarter 2002 and 2-Year Progress Evaluation* (MACTEC, 2003).

³ Laboratory problem resulted in sample exceeding hold time.

⁴ Removed from sampling program based on recommendations made in the *2005 Annual Progress Report and Remedial Progress Evaluation* (MACTEC, 2006).

Notes: -- = no detections
µg/L = micrograms per liter
1,1-DCE = 1,1-dichloroethene
cis-1,2-DCE = cis-1,2-dichloroethene
DUP = duplicate
ID = identification
J = estimated value
NA = not analyzed
TCE = trichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
VOC = volatile organic compound

Prepared by C. Wolf on 11/3/09
Checked by J. Deatherage on 12/1/09

**APPENDIX D THROUGH F
(SEE ENCLOSED CD)**

APPENDIX D: LABORATORY REPORTS

APPENDIX E: CHAIN-OF-CUSTODY FORMS

APPENDIX F: FIELD DATA RECORDS

MAY 2009 SAMPLING EVENT

May 08, 2009

4:37:41PM

Client: MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn: Joe Deatherage

Work Order: NSE0373
Project Name: Former Taylor Instruments
Project Nbr: 3031-05-2006-09
P/O Nbr: 200904507
Date Received: 05/06/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
BR-07	NSE0373-01	05/04/09 10:19
BR-01	NSE0373-02	05/04/09 10:55
TW-20	NSE0373-03	05/04/09 11:28
BR-02	NSE0373-04	05/04/09 13:03
TW-07	NSE0373-05	05/04/09 13:29
TW-04	NSE0373-06	05/04/09 14:19
BR-03	NSE0373-07	05/04/09 14:55
BR-17	NSE0373-08	05/04/09 15:30
BR-08	NSE0373-09	05/04/09 16:07
OB-07	NSE0373-10	05/05/09 09:38
BR-09	NSE0373-11	05/05/09 10:43
QATB02	NSE0373-12	05/05/09 15:27
BR-11	NSE0373-13	05/05/09 08:56
BR-11 (Dup)	NSE0373-14	05/05/09 08:53
OB-06	NSE0373-15	05/05/09 10:10

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

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

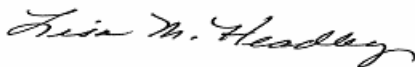
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Lisa Headley

Senior Project Manager

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-01 (BR-07 - Ground Water) Sampled: 05/04/09 10:19								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 14:32	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 14:32	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
cis-1,2-Dichloroethene	1.61		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
trans-1,2-Dichloroethene	2.61		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 14:32	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-01 (BR-07 - Ground Water) - cont. Sampled: 05/04/09 10:19								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 14:32	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 14:32	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 14:32	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Trichloroethene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Vinyl chloride	5.00		ug/L	1.00	1	05/06/09 14:32	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 14:32	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>114 %</i>					<i>05/06/09 14:32</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>118 %</i>					<i>05/06/09 14:32</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>104 %</i>					<i>05/06/09 14:32</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>115 %</i>					<i>05/06/09 14:32</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-02 (BR-01 - Ground Water) Sampled: 05/04/09 10:55

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/06/09 15:00	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 15:00	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-02 (BR-01 - Ground Water) - cont. Sampled: 05/04/09 10:55								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
cis-1,2-Dichloroethene	11.3		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
trans-1,2-Dichloroethene	1.95		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 15:00	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 15:00	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 15:00	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 15:00	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Trichloroethene	3.26		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-02 (BR-01 - Ground Water) - cont. Sampled: 05/04/09 10:55								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 15:00	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 15:00	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>113 %</i>					<i>05/06/09 15:00</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>115 %</i>					<i>05/06/09 15:00</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>104 %</i>					<i>05/06/09 15:00</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>114 %</i>					<i>05/06/09 15:00</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-03 (TW-20 - Ground Water) Sampled: 05/04/09 11:28

Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 15:28	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 15:28	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
cis-1,2-Dichloroethene	1.55		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-03 (TW-20 - Ground Water) - cont. Sampled: 05/04/09 11:28								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 15:28	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 15:28	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 15:28	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 15:28	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Trichloroethene	25.2		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 15:28	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 15:28	SW846 8260B	9050753
Surr: 1,2-Dichloroethane-d4 (60-140%)	114 %					05/06/09 15:28	SW846 8260B	9050753
Surr: Dibromofluoromethane (75-124%)	116 %					05/06/09 15:28	SW846 8260B	9050753
Surr: Toluene-d8 (78-121%)	103 %					05/06/09 15:28	SW846 8260B	9050753
Surr: 4-Bromofluorobenzene (79-124%)	110 %					05/06/09 15:28	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-04 (BR-02 - Ground Water) Sampled: 05/04/09 13:03								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 15:56	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 15:56	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
cis-1,2-Dichloroethene	142		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1-Dichloroethene	1.00		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
trans-1,2-Dichloroethene	20.5		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 15:56	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-04 (BR-02 - Ground Water) - cont. Sampled: 05/04/09 13:03								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 15:56	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 15:56	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 15:56	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Trichloroethene	88.1		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Vinyl chloride	1.19		ug/L	1.00	1	05/06/09 15:56	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 15:56	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>111 %</i>					<i>05/06/09 15:56</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>117 %</i>					<i>05/06/09 15:56</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 15:56</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>114 %</i>					<i>05/06/09 15:56</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-05 (TW-07 - Ground Water) Sampled: 05/04/09 13:29

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/06/09 16:24	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 16:24	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-05 (TW-07 - Ground Water) - cont. Sampled: 05/04/09 13:29								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 16:24	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 16:24	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 16:24	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 16:24	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Trichloroethene	1.02		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-05 (TW-07 - Ground Water) - cont. Sampled: 05/04/09 13:29								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 16:24	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 16:24	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>108 %</i>					<i>05/06/09 16:24</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>114 %</i>					<i>05/06/09 16:24</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 16:24</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>112 %</i>					<i>05/06/09 16:24</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-06 (TW-04 - Ground Water) Sampled: 05/04/09 14:19

Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 16:51	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 16:51	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-06 (TW-04 - Ground Water) - cont. Sampled: 05/04/09 14:19								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 16:51	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 16:51	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 16:51	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 16:51	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Trichloroethene	4.78		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 16:51	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 16:51	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>108 %</i>					<i>05/06/09 16:51</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>114 %</i>					<i>05/06/09 16:51</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 16:51</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>113 %</i>					<i>05/06/09 16:51</i>	<i>SW846 8260B</i>	<i>9050753</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-07 (BR-03 - Ground Water) Sampled: 05/04/09 14:55								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 17:19	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 17:19	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
cis-1,2-Dichloroethene	3.10		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 17:19	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753

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 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-07 (BR-03 - Ground Water) - cont. Sampled: 05/04/09 14:55								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 17:19	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 17:19	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 17:19	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Trichloroethene	202		ug/L	5.00	5	05/07/09 13:03	SW846 8260B	9051003
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 17:19	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 17:19	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>109 %</i>					<i>05/06/09 17:19</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>109 %</i>					<i>05/07/09 13:03</i>	<i>SW846 8260B</i>	<i>9051003</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>112 %</i>					<i>05/06/09 17:19</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>111 %</i>					<i>05/07/09 13:03</i>	<i>SW846 8260B</i>	<i>9051003</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>102 %</i>					<i>05/06/09 17:19</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/07/09 13:03</i>	<i>SW846 8260B</i>	<i>9051003</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>113 %</i>					<i>05/06/09 17:19</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>114 %</i>					<i>05/07/09 13:03</i>	<i>SW846 8260B</i>	<i>9051003</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-08 (BR-17 - Ground Water) Sampled: 05/04/09 15:30								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 17:47	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 17:47	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
cis-1,2-Dichloroethene	25.7		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
trans-1,2-Dichloroethene	4.39		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 17:47	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-08 (BR-17 - Ground Water) - cont. Sampled: 05/04/09 15:30								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 17:47	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 17:47	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 17:47	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Trichloroethene	11.9		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 17:47	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 17:47	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>113 %</i>					<i>05/06/09 17:47</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>113 %</i>					<i>05/06/09 17:47</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>104 %</i>					<i>05/06/09 17:47</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>112 %</i>					<i>05/06/09 17:47</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-09 (BR-08 - Ground Water) Sampled: 05/04/09 16:07

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/06/09 18:15	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 18:15	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-09 (BR-08 - Ground Water) - cont. Sampled: 05/04/09 16:07								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
cis-1,2-Dichloroethene	63.8		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
trans-1,2-Dichloroethene	3.63		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 18:15	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 18:15	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 18:15	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 18:15	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Trichloroethene	2.05		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-09 (BR-08 - Ground Water) - cont. Sampled: 05/04/09 16:07								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Vinyl chloride	5.44		ug/L	1.00	1	05/06/09 18:15	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 18:15	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>109 %</i>					<i>05/06/09 18:15</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>114 %</i>					<i>05/06/09 18:15</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 18:15</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>113 %</i>					<i>05/06/09 18:15</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-10 (OB-07 - Ground Water) Sampled: 05/05/09 09:38

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 18:43	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 18:43	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-10 (OB-07 - Ground Water) - cont. Sampled: 05/05/09 09:38								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 18:43	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 18:43	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 18:43	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 18:43	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Trichloroethene	3.47		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 18:43	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 18:43	SW846 8260B	9050753
Surr: 1,2-Dichloroethane-d4 (60-140%)	110 %					05/06/09 18:43	SW846 8260B	9050753
Surr: Dibromofluoromethane (75-124%)	111 %					05/06/09 18:43	SW846 8260B	9050753
Surr: Toluene-d8 (78-121%)	104 %					05/06/09 18:43	SW846 8260B	9050753
Surr: 4-Bromofluorobenzene (79-124%)	115 %					05/06/09 18:43	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-11 (BR-09 - Ground Water) Sampled: 05/05/09 10:43								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 19:10	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 19:10	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
cis-1,2-Dichloroethene	2.97		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 19:10	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-11 (BR-09 - Ground Water) - cont. Sampled: 05/05/09 10:43								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 19:10	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 19:10	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 19:10	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Trichloroethene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 19:10	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 19:10	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>110 %</i>					<i>05/06/09 19:10</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>113 %</i>					<i>05/06/09 19:10</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>105 %</i>					<i>05/06/09 19:10</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>113 %</i>					<i>05/06/09 19:10</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-12 (QATB02 - Ground Water) Sampled: 05/05/09 15:27

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/06/09 19:38	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 19:38	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-12 (QATB02 - Ground Water) - cont. Sampled: 05/05/09 15:27								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 19:38	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 19:38	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 19:38	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 19:38	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Trichloroethene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-12 (QATB02 - Ground Water) - cont. Sampled: 05/05/09 15:27								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 19:38	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 19:38	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>110 %</i>					<i>05/06/09 19:38</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>113 %</i>					<i>05/06/09 19:38</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 19:38</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>114 %</i>					<i>05/06/09 19:38</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-13 (BR-11 - Ground Water) Sampled: 05/05/09 08:56

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 20:06	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 20:06	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
cis-1,2-Dichloroethene	152		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
trans-1,2-Dichloroethene	32.0		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-13 (BR-11 - Ground Water) - cont. Sampled: 05/05/09 08:56								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 20:06	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 20:06	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 20:06	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 20:06	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Trichloroethene	104		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Vinyl chloride	1.32		ug/L	1.00	1	05/06/09 20:06	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 20:06	SW846 8260B	9050753
Surr: 1,2-Dichloroethane-d4 (60-140%)	112 %					05/06/09 20:06	SW846 8260B	9050753
Surr: Dibromofluoromethane (75-124%)	115 %					05/06/09 20:06	SW846 8260B	9050753
Surr: Toluene-d8 (78-121%)	102 %					05/06/09 20:06	SW846 8260B	9050753
Surr: 4-Bromofluorobenzene (79-124%)	114 %					05/06/09 20:06	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-14 (BR-11 (Dup) - Ground Water) Sampled: 05/05/09 08:53								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/06/09 20:34	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 20:34	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Chloroform	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
cis-1,2-Dichloroethene	153		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
trans-1,2-Dichloroethene	31.9		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 20:34	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-14 (BR-11 (Dup) - Ground Water) - cont. Sampled: 05/05/09 08:53								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 20:34	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 20:34	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 20:34	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Trichloroethene	105		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Vinyl chloride	1.40		ug/L	1.00	1	05/06/09 20:34	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 20:34	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>108 %</i>					<i>05/06/09 20:34</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>116 %</i>					<i>05/06/09 20:34</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 20:34</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>115 %</i>					<i>05/06/09 20:34</i>	<i>SW846 8260B</i>	<i>9050753</i>

Sample ID: NSE0373-15 (OB-06 - Ground Water) Sampled: 05/05/09 10:10

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/06/09 21:02	SW846 8260B	9050753
Benzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Bromobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Bromochloromethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Bromodichloromethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Bromoform	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Bromomethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
2-Butanone	ND		ug/L	50.0	1	05/06/09 21:02	SW846 8260B	9050753
sec-Butylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
n-Butylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
tert-Butylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Carbon disulfide	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Carbon Tetrachloride	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Chlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Chlorodibromomethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Chloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-15 (OB-06 - Ground Water) - cont. Sampled: 05/05/09 10:10								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Chloromethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
2-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
4-Chlorotoluene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Dibromomethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1-Dichloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2-Dichloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
cis-1,2-Dichloroethene	6.03		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1-Dichloroethene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,3-Dichloropropane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
2,2-Dichloropropane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1-Dichloropropene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Ethylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Hexachlorobutadiene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
2-Hexanone	ND		ug/L	50.0	1	05/06/09 21:02	SW846 8260B	9050753
Isopropylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
p-Isopropyltoluene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Methylene Chloride	ND		ug/L	5.00	1	05/06/09 21:02	SW846 8260B	9050753
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/06/09 21:02	SW846 8260B	9050753
Naphthalene	ND		ug/L	5.00	1	05/06/09 21:02	SW846 8260B	9050753
n-Propylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Styrene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Tetrachloroethene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Toluene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Trichloroethene	78.3		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Trichlorofluoromethane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0373-15 (OB-06 - Ground Water) - cont. Sampled: 05/05/09 10:10								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Vinyl chloride	ND		ug/L	1.00	1	05/06/09 21:02	SW846 8260B	9050753
Xylenes, total	ND		ug/L	3.00	1	05/06/09 21:02	SW846 8260B	9050753
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>109 %</i>					<i>05/06/09 21:02</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>110 %</i>					<i>05/06/09 21:02</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/06/09 21:02</i>	<i>SW846 8260B</i>	<i>9050753</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>112 %</i>					<i>05/06/09 21:02</i>	<i>SW846 8260B</i>	<i>9050753</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9050753-BLK1						
Acetone	<25.0		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Benzene	<0.270		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Bromobenzene	<0.360		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Bromochloromethane	<0.400		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Bromodichloromethane	<0.350		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Bromoform	<0.430		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Bromomethane	<0.420		ug/L	9050753	9050753-BLK1	05/06/09 14:04
2-Butanone	<2.40		ug/L	9050753	9050753-BLK1	05/06/09 14:04
sec-Butylbenzene	<0.140		ug/L	9050753	9050753-BLK1	05/06/09 14:04
n-Butylbenzene	<0.280		ug/L	9050753	9050753-BLK1	05/06/09 14:04
tert-Butylbenzene	<0.330		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Carbon disulfide	<0.380		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Carbon Tetrachloride	<0.350		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Chlorobenzene	<0.180		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Chlorodibromomethane	<0.280		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Chloroethane	<0.450		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Chloroform	<0.280		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Chloromethane	<0.380		ug/L	9050753	9050753-BLK1	05/06/09 14:04
2-Chlorotoluene	<0.300		ug/L	9050753	9050753-BLK1	05/06/09 14:04
4-Chlorotoluene	<0.330		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2-Dibromoethane (EDB)	<0.390		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Dibromomethane	<0.350		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,4-Dichlorobenzene	<0.380		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,3-Dichlorobenzene	<0.350		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2-Dichlorobenzene	<0.500		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Dichlorodifluoromethane	<0.460		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1-Dichloroethane	<0.540		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2-Dichloroethane	<0.370		ug/L	9050753	9050753-BLK1	05/06/09 14:04
cis-1,2-Dichloroethene	<0.390		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1-Dichloroethene	<0.340		ug/L	9050753	9050753-BLK1	05/06/09 14:04
trans-1,2-Dichloroethene	<0.470		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,3-Dichloropropane	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2-Dichloropropane	<0.320		ug/L	9050753	9050753-BLK1	05/06/09 14:04
2,2-Dichloropropane	<0.420		ug/L	9050753	9050753-BLK1	05/06/09 14:04
cis-1,3-Dichloropropene	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
trans-1,3-Dichloropropene	<0.330		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1-Dichloropropene	<0.310		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Ethylbenzene	<0.240		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Hexachlorobutadiene	<0.910		ug/L	9050753	9050753-BLK1	05/06/09 14:04
2-Hexanone	<16.7		ug/L	9050753	9050753-BLK1	05/06/09 14:04

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8260B

9050753-BLK1

Isopropylbenzene	<0.300		ug/L	9050753	9050753-BLK1	05/06/09 14:04
p-Isopropyltoluene	<0.220		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Methyl tert-Butyl Ether	<0.420		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Methylene Chloride	0.930		ug/L	9050753	9050753-BLK1	05/06/09 14:04
4-Methyl-2-pentanone	<3.49		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Naphthalene	<0.540		ug/L	9050753	9050753-BLK1	05/06/09 14:04
n-Propylbenzene	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Styrene	<0.330		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1,1,2-Tetrachloroethane	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1,2,2-Tetrachloroethane	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Tetrachloroethene	<0.230		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Toluene	<0.280		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2,3-Trichlorobenzene	<0.940		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2,4-Trichlorobenzene	<0.500		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1,2-Trichloroethane	<0.400		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,1,1-Trichloroethane	<0.370		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Trichloroethene	<0.230		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Trichlorofluoromethane	<0.350		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2,3-Trichloropropane	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,3,5-Trimethylbenzene	<0.160		ug/L	9050753	9050753-BLK1	05/06/09 14:04
1,2,4-Trimethylbenzene	<0.170		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Vinyl chloride	<0.290		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Xylenes, total	<0.860		ug/L	9050753	9050753-BLK1	05/06/09 14:04
Surrogate: 1,2-Dichloroethane-d4	111%			9050753	9050753-BLK1	05/06/09 14:04
Surrogate: Dibromofluoromethane	115%			9050753	9050753-BLK1	05/06/09 14:04
Surrogate: Toluene-d8	104%			9050753	9050753-BLK1	05/06/09 14:04
Surrogate: 4-Bromofluorobenzene	112%			9050753	9050753-BLK1	05/06/09 14:04

9051003-BLK1

Acetone	<25.0		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Benzene	<0.270		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Bromobenzene	<0.360		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Bromochloromethane	<0.400		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Bromodichloromethane	<0.350		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Bromoform	<0.430		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Bromomethane	<0.420		ug/L	9051003	9051003-BLK1	05/07/09 12:35
2-Butanone	<2.40		ug/L	9051003	9051003-BLK1	05/07/09 12:35
sec-Butylbenzene	<0.140		ug/L	9051003	9051003-BLK1	05/07/09 12:35
n-Butylbenzene	<0.280		ug/L	9051003	9051003-BLK1	05/07/09 12:35
tert-Butylbenzene	<0.330		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Carbon disulfide	<0.380		ug/L	9051003	9051003-BLK1	05/07/09 12:35

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9051003-BLK1						
Carbon Tetrachloride	<0.350		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Chlorobenzene	<0.180		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Chlorodibromomethane	<0.280		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Chloroethane	<0.450		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Chloroform	<0.280		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Chloromethane	<0.380		ug/L	9051003	9051003-BLK1	05/07/09 12:35
2-Chlorotoluene	<0.300		ug/L	9051003	9051003-BLK1	05/07/09 12:35
4-Chlorotoluene	<0.330		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2-Dibromoethane (EDB)	<0.390		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Dibromomethane	<0.350		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,4-Dichlorobenzene	<0.380		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,3-Dichlorobenzene	<0.350		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2-Dichlorobenzene	<0.500		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Dichlorodifluoromethane	<0.460		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1-Dichloroethane	<0.540		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2-Dichloroethane	<0.370		ug/L	9051003	9051003-BLK1	05/07/09 12:35
cis-1,2-Dichloroethene	<0.390		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1-Dichloroethene	<0.340		ug/L	9051003	9051003-BLK1	05/07/09 12:35
trans-1,2-Dichloroethene	<0.470		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,3-Dichloropropane	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2-Dichloropropane	<0.320		ug/L	9051003	9051003-BLK1	05/07/09 12:35
2,2-Dichloropropane	<0.420		ug/L	9051003	9051003-BLK1	05/07/09 12:35
cis-1,3-Dichloropropene	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
trans-1,3-Dichloropropene	<0.330		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1-Dichloropropene	<0.310		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Ethylbenzene	<0.240		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Hexachlorobutadiene	<0.910		ug/L	9051003	9051003-BLK1	05/07/09 12:35
2-Hexanone	<16.7		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Isopropylbenzene	<0.300		ug/L	9051003	9051003-BLK1	05/07/09 12:35
p-Isopropyltoluene	<0.220		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Methyl tert-Butyl Ether	<0.420		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Methylene Chloride	<0.830		ug/L	9051003	9051003-BLK1	05/07/09 12:35
4-Methyl-2-pentanone	<3.49		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Naphthalene	<0.540		ug/L	9051003	9051003-BLK1	05/07/09 12:35
n-Propylbenzene	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Styrene	<0.330		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1,1,2-Tetrachloroethane	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1,2,2-Tetrachloroethane	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Tetrachloroethene	<0.230		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Toluene	<0.280		ug/L	9051003	9051003-BLK1	05/07/09 12:35

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9051003-BLK1						
1,2,3-Trichlorobenzene	<0.940		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2,4-Trichlorobenzene	<0.500		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1,2-Trichloroethane	<0.400		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,1,1-Trichloroethane	<0.370		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Trichloroethene	<0.230		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Trichlorofluoromethane	<0.350		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2,3-Trichloropropane	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,3,5-Trimethylbenzene	<0.160		ug/L	9051003	9051003-BLK1	05/07/09 12:35
1,2,4-Trimethylbenzene	<0.170		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Vinyl chloride	<0.290		ug/L	9051003	9051003-BLK1	05/07/09 12:35
Xylenes, total	<0.860		ug/L	9051003	9051003-BLK1	05/07/09 12:35
<i>Surrogate: 1,2-Dichloroethane-d4</i>	109%			9051003	9051003-BLK1	05/07/09 12:35
<i>Surrogate: Dibromofluoromethane</i>	112%			9051003	9051003-BLK1	05/07/09 12:35
<i>Surrogate: Toluene-d8</i>	104%			9051003	9051003-BLK1	05/07/09 12:35
<i>Surrogate: 4-Bromofluorobenzene</i>	111%			9051003	9051003-BLK1	05/07/09 12:35

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9050753-BS1								
Acetone	250	319		ug/L	128%	62 - 150	9050753	05/06/09 12:40
Benzene	50.0	46.7		ug/L	93%	80 - 137	9050753	05/06/09 12:40
Bromobenzene	50.0	56.5		ug/L	113%	74 - 131	9050753	05/06/09 12:40
Bromochloromethane	50.0	40.6		ug/L	81%	80 - 128	9050753	05/06/09 12:40
Bromodichloromethane	50.0	47.0		ug/L	94%	80 - 129	9050753	05/06/09 12:40
Bromoform	50.0	53.2		ug/L	106%	69 - 127	9050753	05/06/09 12:40
Bromomethane	50.0	68.0		ug/L	136%	62 - 148	9050753	05/06/09 12:40
2-Butanone	250	278		ug/L	111%	77 - 141	9050753	05/06/09 12:40
sec-Butylbenzene	50.0	50.6		ug/L	101%	78 - 133	9050753	05/06/09 12:40
n-Butylbenzene	50.0	50.2		ug/L	100%	72 - 136	9050753	05/06/09 12:40
tert-Butylbenzene	50.0	48.4		ug/L	97%	77 - 135	9050753	05/06/09 12:40
Carbon disulfide	50.0	49.4		ug/L	99%	80 - 126	9050753	05/06/09 12:40
Carbon Tetrachloride	50.0	46.0		ug/L	92%	76 - 143	9050753	05/06/09 12:40
Chlorobenzene	50.0	48.2		ug/L	96%	80 - 120	9050753	05/06/09 12:40
Chlorodibromomethane	50.0	54.3		ug/L	109%	76 - 123	9050753	05/06/09 12:40
Chloroethane	50.0	45.7		ug/L	91%	77 - 127	9050753	05/06/09 12:40
Chloroform	50.0	47.2		ug/L	94%	80 - 133	9050753	05/06/09 12:40
Chloromethane	50.0	53.8		ug/L	108%	33 - 125	9050753	05/06/09 12:40
2-Chlorotoluene	50.0	55.3		ug/L	111%	80 - 127	9050753	05/06/09 12:40
4-Chlorotoluene	50.0	54.0		ug/L	108%	80 - 127	9050753	05/06/09 12:40
1,2-Dibromo-3-chloropropane	50.0	46.0		ug/L	92%	60 - 136	9050753	05/06/09 12:40
1,2-Dibromoethane (EDB)	50.0	53.0		ug/L	106%	80 - 125	9050753	05/06/09 12:40
Dibromomethane	50.0	43.4		ug/L	87%	80 - 124	9050753	05/06/09 12:40
1,4-Dichlorobenzene	50.0	49.9		ug/L	100%	80 - 120	9050753	05/06/09 12:40
1,3-Dichlorobenzene	50.0	52.0		ug/L	104%	80 - 123	9050753	05/06/09 12:40
1,2-Dichlorobenzene	50.0	50.0		ug/L	100%	80 - 122	9050753	05/06/09 12:40
Dichlorodifluoromethane	50.0	49.1		ug/L	98%	36 - 120	9050753	05/06/09 12:40
1,1-Dichloroethane	50.0	56.0		ug/L	112%	76 - 130	9050753	05/06/09 12:40
1,2-Dichloroethane	50.0	46.5		ug/L	93%	69 - 136	9050753	05/06/09 12:40
cis-1,2-Dichloroethene	50.0	53.4		ug/L	107%	80 - 129	9050753	05/06/09 12:40
1,1-Dichloroethene	50.0	52.6		ug/L	105%	80 - 127	9050753	05/06/09 12:40
trans-1,2-Dichloroethene	50.0	51.8		ug/L	104%	80 - 131	9050753	05/06/09 12:40
1,3-Dichloropropane	50.0	53.0		ug/L	106%	80 - 122	9050753	05/06/09 12:40
1,2-Dichloropropane	50.0	43.4		ug/L	87%	80 - 120	9050753	05/06/09 12:40
2,2-Dichloropropane	50.0	48.5		ug/L	97%	62 - 142	9050753	05/06/09 12:40
cis-1,3-Dichloropropene	50.0	52.7		ug/L	105%	76 - 135	9050753	05/06/09 12:40
trans-1,3-Dichloropropene	50.0	54.6		ug/L	109%	70 - 137	9050753	05/06/09 12:40
1,1-Dichloropropene	50.0	44.7		ug/L	89%	80 - 127	9050753	05/06/09 12:40
Ethylbenzene	50.0	47.3		ug/L	95%	80 - 128	9050753	05/06/09 12:40
Hexachlorobutadiene	50.0	41.9		ug/L	84%	68 - 148	9050753	05/06/09 12:40
2-Hexanone	250	303		ug/L	121%	69 - 148	9050753	05/06/09 12:40

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9050753-BS1								
Isopropylbenzene	50.0	44.2		ug/L	88%	80 - 121	9050753	05/06/09 12:40
p-Isopropyltoluene	50.0	47.6		ug/L	95%	79 - 127	9050753	05/06/09 12:40
Methyl tert-Butyl Ether	50.0	40.1		ug/L	80%	70 - 129	9050753	05/06/09 12:40
Methylene Chloride	50.0	50.2		ug/L	100%	76 - 135	9050753	05/06/09 12:40
4-Methyl-2-pentanone	250	301		ug/L	120%	67 - 143	9050753	05/06/09 12:40
Naphthalene	50.0	43.7		ug/L	87%	62 - 141	9050753	05/06/09 12:40
n-Propylbenzene	50.0	54.2		ug/L	108%	80 - 132	9050753	05/06/09 12:40
Styrene	50.0	48.0		ug/L	96%	80 - 139	9050753	05/06/09 12:40
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L	107%	80 - 135	9050753	05/06/09 12:40
1,1,2,2-Tetrachloroethane	50.0	64.5		ug/L	129%	65 - 145	9050753	05/06/09 12:40
Tetrachloroethene	50.0	43.0		ug/L	86%	80 - 125	9050753	05/06/09 12:40
Toluene	50.0	48.5		ug/L	97%	80 - 125	9050753	05/06/09 12:40
1,2,3-Trichlorobenzene	50.0	43.0		ug/L	86%	57 - 144	9050753	05/06/09 12:40
1,2,4-Trichlorobenzene	50.0	41.6		ug/L	83%	60 - 140	9050753	05/06/09 12:40
1,1,2-Trichloroethane	50.0	52.8		ug/L	106%	80 - 122	9050753	05/06/09 12:40
1,1,1-Trichloroethane	50.0	45.7		ug/L	91%	80 - 131	9050753	05/06/09 12:40
Trichloroethene	50.0	42.0		ug/L	84%	80 - 131	9050753	05/06/09 12:40
Trichlorofluoromethane	50.0	53.7		ug/L	107%	68 - 125	9050753	05/06/09 12:40
1,2,3-Trichloropropane	50.0	57.4		ug/L	115%	60 - 127	9050753	05/06/09 12:40
1,3,5-Trimethylbenzene	50.0	51.5		ug/L	103%	80 - 129	9050753	05/06/09 12:40
1,2,4-Trimethylbenzene	50.0	51.6		ug/L	103%	80 - 128	9050753	05/06/09 12:40
Vinyl chloride	50.0	49.5		ug/L	99%	69 - 120	9050753	05/06/09 12:40
Xylenes, total	150	142		ug/L	95%	80 - 129	9050753	05/06/09 12:40
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	26.3			105%	60 - 140	9050753	05/06/09 12:40
<i>Surrogate: Dibromofluoromethane</i>	25.0	27.6			110%	75 - 124	9050753	05/06/09 12:40
<i>Surrogate: Toluene-d8</i>	25.0	27.2			109%	78 - 121	9050753	05/06/09 12:40
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	26.7			107%	79 - 124	9050753	05/06/09 12:40
9051003-BS1								
Acetone	250	253		ug/L	101%	62 - 150	9051003	05/07/09 21:06
Benzene	50.0	48.9		ug/L	98%	80 - 137	9051003	05/07/09 21:06
Bromobenzene	50.0	60.6		ug/L	121%	74 - 131	9051003	05/07/09 21:06
Bromochloromethane	50.0	40.8		ug/L	82%	80 - 128	9051003	05/07/09 21:06
Bromodichloromethane	50.0	47.8		ug/L	96%	80 - 129	9051003	05/07/09 21:06
Bromoform	50.0	51.6		ug/L	103%	69 - 127	9051003	05/07/09 21:06
Bromomethane	50.0	60.8		ug/L	122%	62 - 148	9051003	05/07/09 21:06
2-Butanone	250	259		ug/L	104%	77 - 141	9051003	05/07/09 21:06
sec-Butylbenzene	50.0	54.0		ug/L	108%	78 - 133	9051003	05/07/09 21:06
n-Butylbenzene	50.0	53.6		ug/L	107%	72 - 136	9051003	05/07/09 21:06
tert-Butylbenzene	50.0	51.5		ug/L	103%	77 - 135	9051003	05/07/09 21:06
Carbon disulfide	50.0	49.4		ug/L	99%	80 - 126	9051003	05/07/09 21:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
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 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9051003-BS1								
Carbon Tetrachloride	50.0	46.0		ug/L	92%	76 - 143	9051003	05/07/09 21:06
Chlorobenzene	50.0	49.9		ug/L	100%	80 - 120	9051003	05/07/09 21:06
Chlorodibromomethane	50.0	57.8		ug/L	116%	76 - 123	9051003	05/07/09 21:06
Chloroethane	50.0	51.3		ug/L	103%	77 - 127	9051003	05/07/09 21:06
Chloroform	50.0	46.8		ug/L	94%	80 - 133	9051003	05/07/09 21:06
Chloromethane	50.0	43.9		ug/L	88%	33 - 125	9051003	05/07/09 21:06
2-Chlorotoluene	50.0	60.2		ug/L	120%	80 - 127	9051003	05/07/09 21:06
4-Chlorotoluene	50.0	63.6		ug/L	127%	80 - 127	9051003	05/07/09 21:06
1,2-Dibromo-3-chloropropane	50.0	46.7		ug/L	93%	60 - 136	9051003	05/07/09 21:06
1,2-Dibromoethane (EDB)	50.0	55.0		ug/L	110%	80 - 125	9051003	05/07/09 21:06
Dibromomethane	50.0	46.4		ug/L	93%	80 - 124	9051003	05/07/09 21:06
1,4-Dichlorobenzene	50.0	51.5		ug/L	103%	80 - 120	9051003	05/07/09 21:06
1,3-Dichlorobenzene	50.0	54.2		ug/L	108%	80 - 123	9051003	05/07/09 21:06
1,2-Dichlorobenzene	50.0	52.1		ug/L	104%	80 - 122	9051003	05/07/09 21:06
Dichlorodifluoromethane	50.0	41.1		ug/L	82%	36 - 120	9051003	05/07/09 21:06
1,1-Dichloroethane	50.0	56.7		ug/L	113%	76 - 130	9051003	05/07/09 21:06
1,2-Dichloroethane	50.0	45.6		ug/L	91%	69 - 136	9051003	05/07/09 21:06
cis-1,2-Dichloroethene	50.0	53.8		ug/L	108%	80 - 129	9051003	05/07/09 21:06
1,1-Dichloroethene	50.0	52.8		ug/L	106%	80 - 127	9051003	05/07/09 21:06
trans-1,2-Dichloroethene	50.0	51.3		ug/L	103%	80 - 131	9051003	05/07/09 21:06
1,3-Dichloropropane	50.0	56.2		ug/L	112%	80 - 122	9051003	05/07/09 21:06
1,2-Dichloropropane	50.0	46.3		ug/L	93%	80 - 120	9051003	05/07/09 21:06
2,2-Dichloropropane	50.0	44.0		ug/L	88%	62 - 142	9051003	05/07/09 21:06
cis-1,3-Dichloropropene	50.0	55.7		ug/L	111%	76 - 135	9051003	05/07/09 21:06
trans-1,3-Dichloropropene	50.0	57.4		ug/L	115%	70 - 137	9051003	05/07/09 21:06
1,1-Dichloropropene	50.0	46.2		ug/L	92%	80 - 127	9051003	05/07/09 21:06
Ethylbenzene	50.0	49.2		ug/L	98%	80 - 128	9051003	05/07/09 21:06
Hexachlorobutadiene	50.0	42.5		ug/L	85%	68 - 148	9051003	05/07/09 21:06
2-Hexanone	250	288		ug/L	115%	69 - 148	9051003	05/07/09 21:06
Isopropylbenzene	50.0	44.6		ug/L	89%	80 - 121	9051003	05/07/09 21:06
p-Isopropyltoluene	50.0	50.0		ug/L	100%	79 - 127	9051003	05/07/09 21:06
Methyl tert-Butyl Ether	50.0	40.9		ug/L	82%	70 - 129	9051003	05/07/09 21:06
Methylene Chloride	50.0	50.0		ug/L	100%	76 - 135	9051003	05/07/09 21:06
4-Methyl-2-pentanone	250	302		ug/L	121%	67 - 143	9051003	05/07/09 21:06
Naphthalene	50.0	46.3		ug/L	93%	62 - 141	9051003	05/07/09 21:06
n-Propylbenzene	50.0	58.7		ug/L	117%	80 - 132	9051003	05/07/09 21:06
Styrene	50.0	48.4		ug/L	97%	80 - 139	9051003	05/07/09 21:06
1,1,1,2-Tetrachloroethane	50.0	55.9		ug/L	112%	80 - 135	9051003	05/07/09 21:06
1,1,2,2-Tetrachloroethane	50.0	66.2		ug/L	132%	65 - 145	9051003	05/07/09 21:06
Tetrachloroethene	50.0	45.3		ug/L	91%	80 - 125	9051003	05/07/09 21:06
Toluene	50.0	50.6		ug/L	101%	80 - 125	9051003	05/07/09 21:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9051003-BS1								
1,2,3-Trichlorobenzene	50.0	47.1		ug/L	94%	57 - 144	9051003	05/07/09 21:06
1,2,4-Trichlorobenzene	50.0	45.9		ug/L	92%	60 - 140	9051003	05/07/09 21:06
1,1,2-Trichloroethane	50.0	54.5		ug/L	109%	80 - 122	9051003	05/07/09 21:06
1,1,1-Trichloroethane	50.0	44.7		ug/L	89%	80 - 131	9051003	05/07/09 21:06
Trichloroethene	50.0	43.5		ug/L	87%	80 - 131	9051003	05/07/09 21:06
Trichlorofluoromethane	50.0	51.6		ug/L	103%	68 - 125	9051003	05/07/09 21:06
1,2,3-Trichloropropane	50.0	58.5		ug/L	117%	60 - 127	9051003	05/07/09 21:06
1,3,5-Trimethylbenzene	50.0	55.0		ug/L	110%	80 - 129	9051003	05/07/09 21:06
1,2,4-Trimethylbenzene	50.0	56.1		ug/L	112%	80 - 128	9051003	05/07/09 21:06
Vinyl chloride	50.0	46.3		ug/L	93%	69 - 120	9051003	05/07/09 21:06
Xylenes, total	150	146		ug/L	97%	80 - 129	9051003	05/07/09 21:06
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	24.2			97%	60 - 140	9051003	05/07/09 21:06
<i>Surrogate: Dibromofluoromethane</i>	25.0	25.8			103%	75 - 124	9051003	05/07/09 21:06
<i>Surrogate: Toluene-d8</i>	25.0	26.8			107%	78 - 121	9051003	05/07/09 21:06
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	27.6			111%	79 - 124	9051003	05/07/09 21:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050753-BSD1												
Acetone		298		ug/L	250	119%	62 - 150	7	29	9050753		05/07/09 10:44
Benzene		47.0		ug/L	50.0	94%	80 - 137	0.6	23	9050753		05/07/09 10:44
Bromobenzene		57.8		ug/L	50.0	116%	74 - 131	2	18	9050753		05/07/09 10:44
Bromochloromethane		41.5		ug/L	50.0	83%	80 - 128	2	18	9050753		05/07/09 10:44
Bromodichloromethane		47.5		ug/L	50.0	95%	80 - 129	1	18	9050753		05/07/09 10:44
Bromoform		54.9		ug/L	50.0	110%	69 - 127	3	24	9050753		05/07/09 10:44
Bromomethane		64.3		ug/L	50.0	129%	62 - 148	6	45	9050753		05/07/09 10:44
2-Butanone		268		ug/L	250	107%	77 - 141	4	36	9050753		05/07/09 10:44
sec-Butylbenzene		49.7		ug/L	50.0	99%	78 - 133	2	17	9050753		05/07/09 10:44
n-Butylbenzene		49.7		ug/L	50.0	99%	72 - 136	1	18	9050753		05/07/09 10:44
tert-Butylbenzene		47.6		ug/L	50.0	95%	77 - 135	2	17	9050753		05/07/09 10:44
Carbon disulfide		46.5		ug/L	50.0	93%	80 - 126	6	16	9050753		05/07/09 10:44
Carbon Tetrachloride		44.4		ug/L	50.0	89%	76 - 143	4	29	9050753		05/07/09 10:44
Chlorobenzene		48.3		ug/L	50.0	97%	80 - 120	0.2	27	9050753		05/07/09 10:44
Chlorodibromomethane		57.8		ug/L	50.0	116%	76 - 123	6	21	9050753		05/07/09 10:44
Chloroethane		48.9		ug/L	50.0	98%	77 - 127	7	32	9050753		05/07/09 10:44
Chloroform		47.0		ug/L	50.0	94%	80 - 133	0.6	28	9050753		05/07/09 10:44
Chloromethane		51.6		ug/L	50.0	103%	33 - 125	4	21	9050753		05/07/09 10:44
2-Chlorotoluene		56.4		ug/L	50.0	113%	80 - 127	2	16	9050753		05/07/09 10:44
4-Chlorotoluene		54.7		ug/L	50.0	109%	80 - 127	1	17	9050753		05/07/09 10:44
1,2-Dibromo-3-chloropropane		48.0		ug/L	50.0	96%	60 - 136	4	29	9050753		05/07/09 10:44
1,2-Dibromoethane (EDB)		55.4		ug/L	50.0	111%	80 - 125	4	21	9050753		05/07/09 10:44
Dibromomethane		46.3		ug/L	50.0	93%	80 - 124	6	20	9050753		05/07/09 10:44
1,4-Dichlorobenzene		51.0		ug/L	50.0	102%	80 - 120	2	19	9050753		05/07/09 10:44
1,3-Dichlorobenzene		52.8		ug/L	50.0	106%	80 - 123	1	18	9050753		05/07/09 10:44
1,2-Dichlorobenzene		50.5		ug/L	50.0	101%	80 - 122	0.9	23	9050753		05/07/09 10:44
Dichlorodifluoromethane		42.2	R	ug/L	50.0	84%	36 - 120	15	14	9050753		05/07/09 10:44
1,1-Dichloroethane		54.1		ug/L	50.0	108%	76 - 130	3	15	9050753		05/07/09 10:44
1,2-Dichloroethane		46.7		ug/L	50.0	93%	69 - 136	0.3	26	9050753		05/07/09 10:44
cis-1,2-Dichloroethene		52.0		ug/L	50.0	104%	80 - 129	3	14	9050753		05/07/09 10:44
1,1-Dichloroethene		50.3		ug/L	50.0	101%	80 - 127	5	26	9050753		05/07/09 10:44
trans-1,2-Dichloroethene		50.1		ug/L	50.0	100%	80 - 131	4	14	9050753		05/07/09 10:44
1,3-Dichloropropane		55.5		ug/L	50.0	111%	80 - 122	5	21	9050753		05/07/09 10:44
1,2-Dichloropropane		44.9		ug/L	50.0	90%	80 - 120	3	16	9050753		05/07/09 10:44
2,2-Dichloropropane		49.1		ug/L	50.0	98%	62 - 142	1	14	9050753		05/07/09 10:44
cis-1,3-Dichloropropene		56.2		ug/L	50.0	112%	76 - 135	6	19	9050753		05/07/09 10:44
trans-1,3-Dichloropropene		57.7		ug/L	50.0	115%	70 - 137	5	20	9050753		05/07/09 10:44
1,1-Dichloropropene		43.1		ug/L	50.0	86%	80 - 127	4	14	9050753		05/07/09 10:44
Ethylbenzene		47.1		ug/L	50.0	94%	80 - 128	0.5	17	9050753		05/07/09 10:44
Hexachlorobutadiene		42.8		ug/L	50.0	86%	68 - 148	2	34	9050753		05/07/09 10:44
2-Hexanone		291		ug/L	250	116%	69 - 148	4	34	9050753		05/07/09 10:44

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050753-BSD1												
Isopropylbenzene		42.6		ug/L	50.0	85%	80 - 121	4	18	9050753		05/07/09 10:44
p-Isopropyltoluene		47.2		ug/L	50.0	94%	79 - 127	0.9	17	9050753		05/07/09 10:44
Methyl tert-Butyl Ether		40.2		ug/L	50.0	80%	70 - 129	0.3	32	9050753		05/07/09 10:44
Methylene Chloride		48.1		ug/L	50.0	96%	76 - 135	4	18	9050753		05/07/09 10:44
4-Methyl-2-pentanone		302		ug/L	250	121%	67 - 143	0.4	31	9050753		05/07/09 10:44
Naphthalene		45.6		ug/L	50.0	91%	62 - 141	4	39	9050753		05/07/09 10:44
n-Propylbenzene		54.1		ug/L	50.0	108%	80 - 132	0.3	17	9050753		05/07/09 10:44
Styrene		47.6		ug/L	50.0	95%	80 - 139	0.8	16	9050753		05/07/09 10:44
1,1,1,2-Tetrachloroethane		54.8		ug/L	50.0	110%	80 - 135	2	17	9050753		05/07/09 10:44
1,1,2,2-Tetrachloroethane		67.3		ug/L	50.0	135%	65 - 145	4	28	9050753		05/07/09 10:44
Tetrachloroethene		44.7		ug/L	50.0	89%	80 - 125	4	27	9050753		05/07/09 10:44
Toluene		50.0		ug/L	50.0	100%	80 - 125	3	19	9050753		05/07/09 10:44
1,2,3-Trichlorobenzene		44.0		ug/L	50.0	88%	57 - 144	2	31	9050753		05/07/09 10:44
1,2,4-Trichlorobenzene		41.8		ug/L	50.0	84%	60 - 140	0.4	26	9050753		05/07/09 10:44
1,1,2-Trichloroethane		56.0		ug/L	50.0	112%	80 - 122	6	21	9050753		05/07/09 10:44
1,1,1-Trichloroethane		44.2		ug/L	50.0	88%	80 - 131	3	16	9050753		05/07/09 10:44
Trichloroethene		41.8		ug/L	50.0	84%	80 - 131	0.4	28	9050753		05/07/09 10:44
Trichlorofluoromethane		51.8		ug/L	50.0	104%	68 - 125	4	20	9050753		05/07/09 10:44
1,2,3-Trichloropropane		60.4		ug/L	50.0	121%	60 - 127	5	26	9050753		05/07/09 10:44
1,3,5-Trimethylbenzene		51.1		ug/L	50.0	102%	80 - 129	0.9	16	9050753		05/07/09 10:44
1,2,4-Trimethylbenzene		52.3		ug/L	50.0	105%	80 - 128	1	22	9050753		05/07/09 10:44
Vinyl chloride		46.8		ug/L	50.0	94%	69 - 120	6	26	9050753		05/07/09 10:44
Xylenes, total		141		ug/L	150	94%	80 - 129	1	18	9050753		05/07/09 10:44
Surrogate: 1,2-Dichloroethane-d4		25.7		ug/L	25.0	103%	60 - 140			9050753		05/07/09 10:44
Surrogate: Dibromofluoromethane		26.7		ug/L	25.0	107%	75 - 124			9050753		05/07/09 10:44
Surrogate: Toluene-d8		27.9		ug/L	25.0	112%	78 - 121			9050753		05/07/09 10:44
Surrogate: 4-Bromofluorobenzene		26.7		ug/L	25.0	107%	79 - 124			9050753		05/07/09 10:44
9051003-BSD1												
Acetone		336		ug/L	250	135%	62 - 150	28	29	9051003		05/07/09 11:12
Benzene		46.4		ug/L	50.0	93%	80 - 137	5	23	9051003		05/07/09 11:12
Bromobenzene		57.5		ug/L	50.0	115%	74 - 131	5	18	9051003		05/07/09 11:12
Bromochloromethane		40.4		ug/L	50.0	81%	80 - 128	0.9	18	9051003		05/07/09 11:12
Bromodichloromethane		47.3		ug/L	50.0	95%	80 - 129	0.9	18	9051003		05/07/09 11:12
Bromoform		55.5		ug/L	50.0	111%	69 - 127	7	24	9051003		05/07/09 11:12
Bromomethane		64.9		ug/L	50.0	130%	62 - 148	6	45	9051003		05/07/09 11:12
2-Butanone		295		ug/L	250	118%	77 - 141	13	36	9051003		05/07/09 11:12
sec-Butylbenzene		49.3		ug/L	50.0	99%	78 - 133	9	17	9051003		05/07/09 11:12
n-Butylbenzene		49.8		ug/L	50.0	100%	72 - 136	7	18	9051003		05/07/09 11:12
tert-Butylbenzene		46.7		ug/L	50.0	93%	77 - 135	10	17	9051003		05/07/09 11:12
Carbon disulfide		46.9		ug/L	50.0	94%	80 - 126	5	16	9051003		05/07/09 11:12

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
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Work Order: NSE0373
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 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051003-BSD1												
Carbon Tetrachloride		44.3		ug/L	50.0	89%	76 - 143	4	29	9051003		05/07/09 11:12
Chlorobenzene		48.4		ug/L	50.0	97%	80 - 120	3	27	9051003		05/07/09 11:12
Chlorodibromomethane		57.9		ug/L	50.0	116%	76 - 123	0.05	21	9051003		05/07/09 11:12
Chloroethane		49.4		ug/L	50.0	99%	77 - 127	4	32	9051003		05/07/09 11:12
Chloroform		47.0		ug/L	50.0	94%	80 - 133	0.4	28	9051003		05/07/09 11:12
Chloromethane		52.6		ug/L	50.0	105%	33 - 125	18	21	9051003		05/07/09 11:12
2-Chlorotoluene		55.6		ug/L	50.0	111%	80 - 127	8	16	9051003		05/07/09 11:12
4-Chlorotoluene		54.1		ug/L	50.0	108%	80 - 127	16	17	9051003		05/07/09 11:12
1,2-Dibromo-3-chloropropane		48.8		ug/L	50.0	98%	60 - 136	4	29	9051003		05/07/09 11:12
1,2-Dibromoethane (EDB)		55.2		ug/L	50.0	110%	80 - 125	0.4	21	9051003		05/07/09 11:12
Dibromomethane		45.6		ug/L	50.0	91%	80 - 124	2	20	9051003		05/07/09 11:12
1,4-Dichlorobenzene		50.7		ug/L	50.0	101%	80 - 120	1	19	9051003		05/07/09 11:12
1,3-Dichlorobenzene		52.5		ug/L	50.0	105%	80 - 123	3	18	9051003		05/07/09 11:12
1,2-Dichlorobenzene		50.6		ug/L	50.0	101%	80 - 122	3	23	9051003		05/07/09 11:12
Dichlorodifluoromethane		42.0		ug/L	50.0	84%	36 - 120	2	14	9051003		05/07/09 11:12
1,1-Dichloroethane		54.4		ug/L	50.0	109%	76 - 130	4	15	9051003		05/07/09 11:12
1,2-Dichloroethane		47.0		ug/L	50.0	94%	69 - 136	3	26	9051003		05/07/09 11:12
cis-1,2-Dichloroethene		52.5		ug/L	50.0	105%	80 - 129	2	14	9051003		05/07/09 11:12
1,1-Dichloroethene		50.0		ug/L	50.0	100%	80 - 127	5	26	9051003		05/07/09 11:12
trans-1,2-Dichloroethene		50.0		ug/L	50.0	100%	80 - 131	2	14	9051003		05/07/09 11:12
1,3-Dichloropropane		55.1		ug/L	50.0	110%	80 - 122	2	21	9051003		05/07/09 11:12
1,2-Dichloropropane		44.9		ug/L	50.0	90%	80 - 120	3	16	9051003		05/07/09 11:12
2,2-Dichloropropane		47.8		ug/L	50.0	96%	62 - 142	8	14	9051003		05/07/09 11:12
cis-1,3-Dichloropropene		54.4		ug/L	50.0	109%	76 - 135	2	19	9051003		05/07/09 11:12
trans-1,3-Dichloropropene		57.3		ug/L	50.0	115%	70 - 137	0.1	20	9051003		05/07/09 11:12
1,1-Dichloropropene		42.4		ug/L	50.0	85%	80 - 127	9	14	9051003		05/07/09 11:12
Ethylbenzene		46.7		ug/L	50.0	93%	80 - 128	5	17	9051003		05/07/09 11:12
Hexachlorobutadiene		41.2		ug/L	50.0	82%	68 - 148	3	34	9051003		05/07/09 11:12
2-Hexanone		319		ug/L	250	128%	69 - 148	10	34	9051003		05/07/09 11:12
Isopropylbenzene		42.8		ug/L	50.0	86%	80 - 121	4	18	9051003		05/07/09 11:12
p-Isopropyltoluene		46.4		ug/L	50.0	93%	79 - 127	7	17	9051003		05/07/09 11:12
Methyl tert-Butyl Ether		41.4		ug/L	50.0	83%	70 - 129	1	32	9051003		05/07/09 11:12
Methylene Chloride		49.5		ug/L	50.0	99%	76 - 135	1	18	9051003		05/07/09 11:12
4-Methyl-2-pentanone		316		ug/L	250	126%	67 - 143	5	31	9051003		05/07/09 11:12
Naphthalene		45.3		ug/L	50.0	91%	62 - 141	2	39	9051003		05/07/09 11:12
n-Propylbenzene		52.5		ug/L	50.0	105%	80 - 132	11	17	9051003		05/07/09 11:12
Styrene		48.2		ug/L	50.0	96%	80 - 139	0.5	16	9051003		05/07/09 11:12
1,1,1,2-Tetrachloroethane		54.1		ug/L	50.0	108%	80 - 135	3	17	9051003		05/07/09 11:12
1,1,2,2-Tetrachloroethane		66.6		ug/L	50.0	133%	65 - 145	0.6	28	9051003		05/07/09 11:12
Tetrachloroethene		42.8		ug/L	50.0	86%	80 - 125	6	27	9051003		05/07/09 11:12
Toluene		48.2		ug/L	50.0	96%	80 - 125	5	19	9051003		05/07/09 11:12

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051003-BSD1												
1,2,3-Trichlorobenzene		45.1		ug/L	50.0	90%	57 - 144	4	31	9051003		05/07/09 11:12
1,2,4-Trichlorobenzene		41.5		ug/L	50.0	83%	60 - 140	10	26	9051003		05/07/09 11:12
1,1,2-Trichloroethane		55.6		ug/L	50.0	111%	80 - 122	2	21	9051003		05/07/09 11:12
1,1,1-Trichloroethane		43.9		ug/L	50.0	88%	80 - 131	2	16	9051003		05/07/09 11:12
Trichloroethene		41.0		ug/L	50.0	82%	80 - 131	6	28	9051003		05/07/09 11:12
Trichlorofluoromethane		50.9		ug/L	50.0	102%	68 - 125	1	20	9051003		05/07/09 11:12
1,2,3-Trichloropropane		60.7		ug/L	50.0	121%	60 - 127	4	26	9051003		05/07/09 11:12
1,3,5-Trimethylbenzene		50.3		ug/L	50.0	101%	80 - 129	9	16	9051003		05/07/09 11:12
1,2,4-Trimethylbenzene		51.6		ug/L	50.0	103%	80 - 128	8	22	9051003		05/07/09 11:12
Vinyl chloride		46.4		ug/L	50.0	93%	69 - 120	0.2	26	9051003		05/07/09 11:12
Xylenes, total		142		ug/L	150	94%	80 - 129	3	18	9051003		05/07/09 11:12
Surrogate: 1,2-Dichloroethane-d4		25.5		ug/L	25.0	102%	60 - 140			9051003		05/07/09 11:12
Surrogate: Dibromofluoromethane		26.7		ug/L	25.0	107%	75 - 124			9051003		05/07/09 11:12
Surrogate: Toluene-d8		26.9		ug/L	25.0	108%	78 - 121			9051003		05/07/09 11:12
Surrogate: 4-Bromofluorobenzene		26.8		ug/L	25.0	107%	79 - 124			9051003		05/07/09 11:12

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9050753-MS1										
Acetone	ND	281		ug/L	250	113%	55 - 148	9050753	NSE0373-10	05/06/09 21:30
Benzene	ND	52.0		ug/L	50.0	104%	68 - 143	9050753	NSE0373-10	05/06/09 21:30
Bromobenzene	ND	58.5		ug/L	50.0	117%	65 - 140	9050753	NSE0373-10	05/06/09 21:30
Bromochloromethane	ND	44.6		ug/L	50.0	89%	80 - 137	9050753	NSE0373-10	05/06/09 21:30
Bromodichloromethane	ND	51.8		ug/L	50.0	104%	80 - 132	9050753	NSE0373-10	05/06/09 21:30
Bromoform	ND	55.9		ug/L	50.0	112%	67 - 123	9050753	NSE0373-10	05/06/09 21:30
Bromomethane	ND	62.3		ug/L	50.0	125%	39 - 166	9050753	NSE0373-10	05/06/09 21:30
2-Butanone	ND	259		ug/L	250	104%	50 - 154	9050753	NSE0373-10	05/06/09 21:30
sec-Butylbenzene	ND	52.0		ug/L	50.0	104%	73 - 142	9050753	NSE0373-10	05/06/09 21:30
n-Butylbenzene	ND	50.6		ug/L	50.0	101%	64 - 147	9050753	NSE0373-10	05/06/09 21:30
tert-Butylbenzene	ND	49.4		ug/L	50.0	99%	70 - 148	9050753	NSE0373-10	05/06/09 21:30
Carbon disulfide	ND	55.0		ug/L	50.0	110%	79 - 147	9050753	NSE0373-10	05/06/09 21:30
Carbon Tetrachloride	ND	53.1		ug/L	50.0	106%	62 - 165	9050753	NSE0373-10	05/06/09 21:30
Chlorobenzene	ND	52.4		ug/L	50.0	105%	67 - 140	9050753	NSE0373-10	05/06/09 21:30
Chlorodibromomethane	ND	59.4		ug/L	50.0	119%	72 - 123	9050753	NSE0373-10	05/06/09 21:30
Chloroethane	ND	49.5		ug/L	50.0	99%	74 - 151	9050753	NSE0373-10	05/06/09 21:30
Chloroform	ND	53.7		ug/L	50.0	107%	59 - 152	9050753	NSE0373-10	05/06/09 21:30
Chloromethane	ND	33.2		ug/L	50.0	66%	33 - 138	9050753	NSE0373-10	05/06/09 21:30
2-Chlorotoluene	ND	56.5		ug/L	50.0	113%	76 - 134	9050753	NSE0373-10	05/06/09 21:30
4-Chlorotoluene	ND	55.5		ug/L	50.0	111%	80 - 133	9050753	NSE0373-10	05/06/09 21:30
1,2-Dibromo-3-chloropropane	ND	43.5		ug/L	50.0	87%	60 - 136	9050753	NSE0373-10	05/06/09 21:30
1,2-Dibromoethane (EDB)	ND	55.5		ug/L	50.0	111%	80 - 132	9050753	NSE0373-10	05/06/09 21:30
Dibromomethane	ND	49.6		ug/L	50.0	99%	79 - 131	9050753	NSE0373-10	05/06/09 21:30
1,4-Dichlorobenzene	ND	51.9		ug/L	50.0	104%	80 - 126	9050753	NSE0373-10	05/06/09 21:30
1,3-Dichlorobenzene	ND	55.1		ug/L	50.0	110%	75 - 132	9050753	NSE0373-10	05/06/09 21:30
1,2-Dichlorobenzene	ND	51.1		ug/L	50.0	102%	80 - 130	9050753	NSE0373-10	05/06/09 21:30
Dichlorodifluoromethane	ND	21.2		ug/L	50.0	42%	36 - 146	9050753	NSE0373-10	05/06/09 21:30
1,1-Dichloroethane	ND	62.8		ug/L	50.0	126%	76 - 131	9050753	NSE0373-10	05/06/09 21:30
1,2-Dichloroethane	ND	50.6		ug/L	50.0	101%	53 - 146	9050753	NSE0373-10	05/06/09 21:30
cis-1,2-Dichloroethene	ND	57.0		ug/L	50.0	114%	76 - 141	9050753	NSE0373-10	05/06/09 21:30
1,1-Dichloroethene	ND	59.5		ug/L	50.0	119%	63 - 157	9050753	NSE0373-10	05/06/09 21:30
trans-1,2-Dichloroethene	ND	56.4		ug/L	50.0	113%	78 - 137	9050753	NSE0373-10	05/06/09 21:30
1,3-Dichloropropane	ND	56.4		ug/L	50.0	113%	76 - 130	9050753	NSE0373-10	05/06/09 21:30
1,2-Dichloropropane	ND	48.7		ug/L	50.0	97%	77 - 128	9050753	NSE0373-10	05/06/09 21:30
2,2-Dichloropropane	ND	49.5		ug/L	50.0	99%	62 - 145	9050753	NSE0373-10	05/06/09 21:30
cis-1,3-Dichloropropene	ND	53.6		ug/L	50.0	107%	71 - 140	9050753	NSE0373-10	05/06/09 21:30
trans-1,3-Dichloropropene	ND	57.0		ug/L	50.0	114%	65 - 137	9050753	NSE0373-10	05/06/09 21:30

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9050753-MS1										
1,1-Dichloropropene	ND	48.3		ug/L	50.0	97%	80 - 136	9050753	NSE0373-10	05/06/09 21:30
Ethylbenzene	ND	50.6		ug/L	50.0	101%	80 - 135	9050753	NSE0373-10	05/06/09 21:30
Hexachlorobutadiene	ND	40.0		ug/L	50.0	80%	48 - 155	9050753	NSE0373-10	05/06/09 21:30
2-Hexanone	ND	280		ug/L	250	112%	58 - 154	9050753	NSE0373-10	05/06/09 21:30
Isopropylbenzene	ND	46.7		ug/L	50.0	93%	80 - 135	9050753	NSE0373-10	05/06/09 21:30
p-Isopropyltoluene	ND	48.4		ug/L	50.0	97%	74 - 139	9050753	NSE0373-10	05/06/09 21:30
Methyl tert-Butyl Ether	ND	39.5		ug/L	50.0	79%	60 - 144	9050753	NSE0373-10	05/06/09 21:30
Methylene Chloride	ND	55.1		ug/L	50.0	110%	64 - 140	9050753	NSE0373-10	05/06/09 21:30
4-Methyl-2-pentanone	ND	294		ug/L	250	118%	55 - 153	9050753	NSE0373-10	05/06/09 21:30
Naphthalene	ND	36.0		ug/L	50.0	72%	50 - 154	9050753	NSE0373-10	05/06/09 21:30
n-Propylbenzene	ND	56.4		ug/L	50.0	113%	78 - 141	9050753	NSE0373-10	05/06/09 21:30
Styrene	ND	52.1		ug/L	50.0	104%	80 - 139	9050753	NSE0373-10	05/06/09 21:30
1,1,1,2-Tetrachloroethane	ND	58.9		ug/L	50.0	118%	75 - 140	9050753	NSE0373-10	05/06/09 21:30
1,1,2,2-Tetrachloroethane	ND	67.1		ug/L	50.0	134%	55 - 152	9050753	NSE0373-10	05/06/09 21:30
Tetrachloroethene	ND	47.8		ug/L	50.0	96%	67 - 150	9050753	NSE0373-10	05/06/09 21:30
Toluene	ND	52.3		ug/L	50.0	105%	75 - 139	9050753	NSE0373-10	05/06/09 21:30
1,2,3-Trichlorobenzene	ND	37.1		ug/L	50.0	74%	49 - 144	9050753	NSE0373-10	05/06/09 21:30
1,2,4-Trichlorobenzene	ND	38.5		ug/L	50.0	77%	55 - 135	9050753	NSE0373-10	05/06/09 21:30
1,1,2-Trichloroethane	ND	58.4		ug/L	50.0	117%	77 - 128	9050753	NSE0373-10	05/06/09 21:30
1,1,1-Trichloroethane	ND	51.6		ug/L	50.0	103%	80 - 136	9050753	NSE0373-10	05/06/09 21:30
Trichloroethene	3.47	49.5		ug/L	50.0	92%	57 - 158	9050753	NSE0373-10	05/06/09 21:30
Trichlorofluoromethane	ND	57.0		ug/L	50.0	114%	68 - 145	9050753	NSE0373-10	05/06/09 21:30
1,2,3-Trichloropropane	ND	58.7		ug/L	50.0	117%	55 - 137	9050753	NSE0373-10	05/06/09 21:30
1,3,5-Trimethylbenzene	ND	52.4		ug/L	50.0	105%	78 - 136	9050753	NSE0373-10	05/06/09 21:30
1,2,4-Trimethylbenzene	ND	53.4		ug/L	50.0	107%	70 - 143	9050753	NSE0373-10	05/06/09 21:30
Vinyl chloride	ND	38.2		ug/L	50.0	76%	49 - 156	9050753	NSE0373-10	05/06/09 21:30
Xylenes, total	ND	155		ug/L	150	104%	80 - 136	9050753	NSE0373-10	05/06/09 21:30
<i>Surrogate: 1,2-Dichloroethane-d4</i>		27.1		ug/L	25.0	108%	60 - 140	9050753	NSE0373-10	05/06/09 21:30
<i>Surrogate: Dibromofluoromethane</i>		28.8		ug/L	25.0	115%	75 - 124	9050753	NSE0373-10	05/06/09 21:30
<i>Surrogate: Toluene-d8</i>		27.5		ug/L	25.0	110%	78 - 121	9050753	NSE0373-10	05/06/09 21:30
<i>Surrogate: 4-Bromofluorobenzene</i>		25.3		ug/L	25.0	101%	79 - 124	9050753	NSE0373-10	05/06/09 21:30
9051003-MS1										
Acetone	2.86	256		ug/L	250	101%	55 - 148	9051003	NSE0478-01	05/07/09 20:10
Benzene	0.920	50.8		ug/L	50.0	100%	68 - 143	9051003	NSE0478-01	05/07/09 20:10
Bromobenzene	ND	62.9		ug/L	50.0	126%	65 - 140	9051003	NSE0478-01	05/07/09 20:10
Bromochloromethane	ND	41.8		ug/L	50.0	84%	80 - 137	9051003	NSE0478-01	05/07/09 20:10
Bromodichloromethane	ND	49.1		ug/L	50.0	98%	80 - 132	9051003	NSE0478-01	05/07/09 20:10

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9051003-MS1										
Bromoform	ND	53.5		ug/L	50.0	107%	67 - 123	9051003	NSE0478-01	05/07/09 20:10
Bromomethane	ND	60.7		ug/L	50.0	121%	39 - 166	9051003	NSE0478-01	05/07/09 20:10
2-Butanone	ND	270		ug/L	250	108%	50 - 154	9051003	NSE0478-01	05/07/09 20:10
sec-Butylbenzene	2.82	57.9		ug/L	50.0	110%	73 - 142	9051003	NSE0478-01	05/07/09 20:10
n-Butylbenzene	0.350	57.8		ug/L	50.0	115%	64 - 147	9051003	NSE0478-01	05/07/09 20:10
tert-Butylbenzene	0.560	54.8		ug/L	50.0	109%	70 - 148	9051003	NSE0478-01	05/07/09 20:10
Carbon disulfide	ND	49.8		ug/L	50.0	100%	79 - 147	9051003	NSE0478-01	05/07/09 20:10
Carbon Tetrachloride	ND	47.8		ug/L	50.0	96%	62 - 165	9051003	NSE0478-01	05/07/09 20:10
Chlorobenzene	ND	51.4		ug/L	50.0	103%	67 - 140	9051003	NSE0478-01	05/07/09 20:10
Chlorodibromomethane	ND	58.7		ug/L	50.0	117%	72 - 123	9051003	NSE0478-01	05/07/09 20:10
Chloroethane	ND	54.7		ug/L	50.0	109%	74 - 151	9051003	NSE0478-01	05/07/09 20:10
Chloroform	ND	49.4		ug/L	50.0	99%	59 - 152	9051003	NSE0478-01	05/07/09 20:10
Chloromethane	2.80	37.7		ug/L	50.0	70%	33 - 138	9051003	NSE0478-01	05/07/09 20:10
2-Chlorotoluene	0.780	63.6		ug/L	50.0	126%	76 - 134	9051003	NSE0478-01	05/07/09 20:10
4-Chlorotoluene	ND	58.6		ug/L	50.0	117%	80 - 133	9051003	NSE0478-01	05/07/09 20:10
1,2-Dibromo-3-chloropropane	ND	49.8		ug/L	50.0	100%	60 - 136	9051003	NSE0478-01	05/07/09 20:10
1,2-Dibromoethane (EDB)	ND	56.9		ug/L	50.0	114%	80 - 132	9051003	NSE0478-01	05/07/09 20:10
Dibromomethane	ND	47.4		ug/L	50.0	95%	79 - 131	9051003	NSE0478-01	05/07/09 20:10
1,4-Dichlorobenzene	ND	54.1		ug/L	50.0	108%	80 - 126	9051003	NSE0478-01	05/07/09 20:10
1,3-Dichlorobenzene	ND	55.8		ug/L	50.0	112%	75 - 132	9051003	NSE0478-01	05/07/09 20:10
1,2-Dichlorobenzene	ND	53.5		ug/L	50.0	107%	80 - 130	9051003	NSE0478-01	05/07/09 20:10
Dichlorodifluoromethane	0.450	40.2		ug/L	50.0	80%	36 - 146	9051003	NSE0478-01	05/07/09 20:10
1,1-Dichloroethane	ND	57.8		ug/L	50.0	116%	76 - 131	9051003	NSE0478-01	05/07/09 20:10
1,2-Dichloroethane	1.16	46.5		ug/L	50.0	91%	53 - 146	9051003	NSE0478-01	05/07/09 20:10
cis-1,2-Dichloroethene	ND	56.2		ug/L	50.0	112%	76 - 141	9051003	NSE0478-01	05/07/09 20:10
1,1-Dichloroethene	ND	55.5		ug/L	50.0	111%	63 - 157	9051003	NSE0478-01	05/07/09 20:10
trans-1,2-Dichloroethene	ND	52.8		ug/L	50.0	106%	78 - 137	9051003	NSE0478-01	05/07/09 20:10
1,3-Dichloropropane	ND	57.5		ug/L	50.0	115%	76 - 130	9051003	NSE0478-01	05/07/09 20:10
1,2-Dichloropropane	ND	47.8		ug/L	50.0	96%	77 - 128	9051003	NSE0478-01	05/07/09 20:10
2,2-Dichloropropane	ND	49.9		ug/L	50.0	100%	62 - 145	9051003	NSE0478-01	05/07/09 20:10
cis-1,3-Dichloropropene	ND	58.0		ug/L	50.0	116%	71 - 140	9051003	NSE0478-01	05/07/09 20:10
trans-1,3-Dichloropropene	ND	59.3		ug/L	50.0	119%	65 - 137	9051003	NSE0478-01	05/07/09 20:10
1,1-Dichloropropene	ND	48.9		ug/L	50.0	98%	80 - 136	9051003	NSE0478-01	05/07/09 20:10
Ethylbenzene	0.790	52.6		ug/L	50.0	104%	80 - 135	9051003	NSE0478-01	05/07/09 20:10
Hexachlorobutadiene	ND	46.4		ug/L	50.0	93%	48 - 155	9051003	NSE0478-01	05/07/09 20:10
2-Hexanone	ND	312		ug/L	250	125%	58 - 154	9051003	NSE0478-01	05/07/09 20:10
Isopropylbenzene	ND	47.3		ug/L	50.0	95%	80 - 135	9051003	NSE0478-01	05/07/09 20:10

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9051003-MS1										
p-Isopropyltoluene	ND	53.2		ug/L	50.0	106%	74 - 139	9051003	NSE0478-01	05/07/09 20:10
Methyl tert-Butyl Ether	ND	42.6		ug/L	50.0	85%	60 - 144	9051003	NSE0478-01	05/07/09 20:10
Methylene Chloride	0.410	50.5		ug/L	50.0	100%	64 - 140	9051003	NSE0478-01	05/07/09 20:10
4-Methyl-2-pentanone	ND	312		ug/L	250	125%	55 - 153	9051003	NSE0478-01	05/07/09 20:10
Naphthalene	0.690	50.4		ug/L	50.0	99%	50 - 154	9051003	NSE0478-01	05/07/09 20:10
n-Propylbenzene	0.320	61.9		ug/L	50.0	123%	78 - 141	9051003	NSE0478-01	05/07/09 20:10
Styrene	ND	51.0		ug/L	50.0	102%	80 - 139	9051003	NSE0478-01	05/07/09 20:10
1,1,1,2-Tetrachloroethane	ND	56.6		ug/L	50.0	113%	75 - 140	9051003	NSE0478-01	05/07/09 20:10
1,1,2,2-Tetrachloroethane	ND	68.8		ug/L	50.0	138%	55 - 152	9051003	NSE0478-01	05/07/09 20:10
Tetrachloroethene	ND	47.6		ug/L	50.0	95%	67 - 150	9051003	NSE0478-01	05/07/09 20:10
Toluene	10.5	63.4		ug/L	50.0	106%	75 - 139	9051003	NSE0478-01	05/07/09 20:10
1,2,3-Trichlorobenzene	ND	45.0		ug/L	50.0	90%	49 - 144	9051003	NSE0478-01	05/07/09 20:10
1,2,4-Trichlorobenzene	ND	47.9		ug/L	50.0	96%	55 - 135	9051003	NSE0478-01	05/07/09 20:10
1,1,2-Trichloroethane	ND	56.0		ug/L	50.0	112%	77 - 128	9051003	NSE0478-01	05/07/09 20:10
1,1,1-Trichloroethane	ND	46.9		ug/L	50.0	94%	80 - 136	9051003	NSE0478-01	05/07/09 20:10
Trichloroethene	ND	45.2		ug/L	50.0	90%	57 - 158	9051003	NSE0478-01	05/07/09 20:10
Trichlorofluoromethane	ND	55.8		ug/L	50.0	112%	68 - 145	9051003	NSE0478-01	05/07/09 20:10
1,2,3-Trichloropropane	ND	61.3		ug/L	50.0	123%	55 - 137	9051003	NSE0478-01	05/07/09 20:10
1,3,5-Trimethylbenzene	1.59	60.0		ug/L	50.0	117%	78 - 136	9051003	NSE0478-01	05/07/09 20:10
1,2,4-Trimethylbenzene	3.05	64.0		ug/L	50.0	122%	70 - 143	9051003	NSE0478-01	05/07/09 20:10
Vinyl chloride	ND	49.2		ug/L	50.0	98%	49 - 156	9051003	NSE0478-01	05/07/09 20:10
Xylenes, total	11.0	165		ug/L	150	103%	80 - 136	9051003	NSE0478-01	05/07/09 20:10
Surrogate: 1,2-Dichloroethane-d4		24.2		ug/L	25.0	97%	60 - 140	9051003	NSE0478-01	05/07/09 20:10
Surrogate: Dibromofluoromethane		25.6		ug/L	25.0	103%	75 - 124	9051003	NSE0478-01	05/07/09 20:10
Surrogate: Toluene-d8		27.0		ug/L	25.0	108%	78 - 121	9051003	NSE0478-01	05/07/09 20:10
Surrogate: 4-Bromofluorobenzene		27.8		ug/L	25.0	111%	79 - 124	9051003	NSE0478-01	05/07/09 20:10

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050753-MSD1												
Acetone	ND	271		ug/L	250	109%	55 - 148	4	29	9050753	NSE0373-10	05/06/09 21:57
Benzene	ND	51.6		ug/L	50.0	103%	68 - 143	0.6	23	9050753	NSE0373-10	05/06/09 21:57
Bromobenzene	ND	60.9		ug/L	50.0	122%	65 - 140	4	18	9050753	NSE0373-10	05/06/09 21:57
Bromochloromethane	ND	42.7		ug/L	50.0	85%	80 - 137	4	18	9050753	NSE0373-10	05/06/09 21:57
Bromodichloromethane	ND	50.3		ug/L	50.0	101%	80 - 132	3	18	9050753	NSE0373-10	05/06/09 21:57
Bromoform	ND	56.2		ug/L	50.0	112%	67 - 123	0.6	24	9050753	NSE0373-10	05/06/09 21:57
Bromomethane	ND	62.9		ug/L	50.0	126%	39 - 166	0.9	45	9050753	NSE0373-10	05/06/09 21:57
2-Butanone	ND	266		ug/L	250	107%	50 - 154	3	36	9050753	NSE0373-10	05/06/09 21:57
sec-Butylbenzene	ND	52.8		ug/L	50.0	106%	73 - 142	1	17	9050753	NSE0373-10	05/06/09 21:57
n-Butylbenzene	ND	51.3		ug/L	50.0	103%	64 - 147	1	18	9050753	NSE0373-10	05/06/09 21:57
tert-Butylbenzene	ND	50.9		ug/L	50.0	102%	70 - 148	3	17	9050753	NSE0373-10	05/06/09 21:57
Carbon disulfide	ND	53.8		ug/L	50.0	108%	79 - 147	2	16	9050753	NSE0373-10	05/06/09 21:57
Carbon Tetrachloride	ND	50.5		ug/L	50.0	101%	62 - 165	5	29	9050753	NSE0373-10	05/06/09 21:57
Chlorobenzene	ND	51.6		ug/L	50.0	103%	67 - 140	2	27	9050753	NSE0373-10	05/06/09 21:57
Chlorodibromomethane	ND	59.0		ug/L	50.0	118%	72 - 123	0.7	21	9050753	NSE0373-10	05/06/09 21:57
Chloroethane	ND	46.8		ug/L	50.0	94%	74 - 151	6	32	9050753	NSE0373-10	05/06/09 21:57
Chloroform	ND	52.0		ug/L	50.0	104%	59 - 152	3	28	9050753	NSE0373-10	05/06/09 21:57
Chloromethane	ND	35.4		ug/L	50.0	71%	33 - 138	7	21	9050753	NSE0373-10	05/06/09 21:57
2-Chlorotoluene	ND	59.6		ug/L	50.0	119%	76 - 134	5	16	9050753	NSE0373-10	05/06/09 21:57
4-Chlorotoluene	ND	58.3		ug/L	50.0	117%	80 - 133	5	17	9050753	NSE0373-10	05/06/09 21:57
1,2-Dibromo-3-chloropropane	ND	46.2		ug/L	50.0	92%	60 - 136	6	29	9050753	NSE0373-10	05/06/09 21:57
1,2-Dibromoethane (EDB)	ND	55.2		ug/L	50.0	110%	80 - 132	0.5	21	9050753	NSE0373-10	05/06/09 21:57
Dibromomethane	ND	49.1		ug/L	50.0	98%	79 - 131	1	20	9050753	NSE0373-10	05/06/09 21:57
1,4-Dichlorobenzene	ND	53.9		ug/L	50.0	108%	80 - 126	4	19	9050753	NSE0373-10	05/06/09 21:57
1,3-Dichlorobenzene	ND	55.2		ug/L	50.0	110%	75 - 132	0.2	18	9050753	NSE0373-10	05/06/09 21:57
1,2-Dichlorobenzene	ND	52.4		ug/L	50.0	105%	80 - 130	3	23	9050753	NSE0373-10	05/06/09 21:57
Dichlorodifluoromethane	ND	18.0	R2	ug/L	50.0	36%	36 - 146	17	14	9050753	NSE0373-10	05/06/09 21:57
1,1-Dichloroethane	ND	61.1		ug/L	50.0	122%	76 - 131	3	15	9050753	NSE0373-10	05/06/09 21:57
1,2-Dichloroethane	ND	49.6		ug/L	50.0	99%	53 - 146	2	26	9050753	NSE0373-10	05/06/09 21:57
cis-1,2-Dichloroethene	ND	57.4		ug/L	50.0	115%	76 - 141	0.7	14	9050753	NSE0373-10	05/06/09 21:57
1,1-Dichloroethene	ND	59.5		ug/L	50.0	119%	63 - 157	0.08	26	9050753	NSE0373-10	05/06/09 21:57
trans-1,2-Dichloroethene	ND	56.0		ug/L	50.0	112%	78 - 137	0.7	14	9050753	NSE0373-10	05/06/09 21:57
1,3-Dichloropropane	ND	55.7		ug/L	50.0	111%	76 - 130	1	21	9050753	NSE0373-10	05/06/09 21:57
1,2-Dichloropropane	ND	48.2		ug/L	50.0	96%	77 - 128	1	16	9050753	NSE0373-10	05/06/09 21:57
2,2-Dichloropropane	ND	48.6		ug/L	50.0	97%	62 - 145	2	14	9050753	NSE0373-10	05/06/09 21:57
cis-1,3-Dichloropropene	ND	55.1		ug/L	50.0	110%	71 - 140	3	19	9050753	NSE0373-10	05/06/09 21:57
trans-1,3-Dichloropropene	ND	57.4		ug/L	50.0	115%	65 - 137	0.9	20	9050753	NSE0373-10	05/06/09 21:57
1,1-Dichloropropene	ND	48.5		ug/L	50.0	97%	80 - 136	0.4	14	9050753	NSE0373-10	05/06/09 21:57
Ethylbenzene	ND	50.3		ug/L	50.0	101%	80 - 135	0.6	17	9050753	NSE0373-10	05/06/09 21:57
Hexachlorobutadiene	ND	43.1		ug/L	50.0	86%	48 - 155	7	34	9050753	NSE0373-10	05/06/09 21:57
2-Hexanone	ND	279		ug/L	250	112%	58 - 154	0.4	34	9050753	NSE0373-10	05/06/09 21:57

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050753-MSD1												
Isopropylbenzene	ND	46.2		ug/L	50.0	92%	80 - 135	1	18	9050753	NSE0373-10	05/06/09 21:57
p-Isopropyltoluene	ND	48.8		ug/L	50.0	98%	74 - 139	0.7	17	9050753	NSE0373-10	05/06/09 21:57
Methyl tert-Butyl Ether	ND	41.2		ug/L	50.0	82%	60 - 144	4	32	9050753	NSE0373-10	05/06/09 21:57
Methylene Chloride	ND	54.7		ug/L	50.0	109%	64 - 140	0.7	18	9050753	NSE0373-10	05/06/09 21:57
4-Methyl-2-pentanone	ND	302		ug/L	250	121%	55 - 153	3	31	9050753	NSE0373-10	05/06/09 21:57
Naphthalene	ND	41.7		ug/L	50.0	83%	50 - 154	15	39	9050753	NSE0373-10	05/06/09 21:57
n-Propylbenzene	ND	58.0		ug/L	50.0	116%	78 - 141	3	17	9050753	NSE0373-10	05/06/09 21:57
Styrene	ND	51.6		ug/L	50.0	103%	80 - 139	0.9	16	9050753	NSE0373-10	05/06/09 21:57
1,1,1,2-Tetrachloroethane	ND	58.4		ug/L	50.0	117%	75 - 140	0.9	17	9050753	NSE0373-10	05/06/09 21:57
1,1,2,2-Tetrachloroethane	ND	69.2		ug/L	50.0	138%	55 - 152	3	28	9050753	NSE0373-10	05/06/09 21:57
Tetrachloroethene	ND	46.4		ug/L	50.0	93%	67 - 150	3	27	9050753	NSE0373-10	05/06/09 21:57
Toluene	ND	51.9		ug/L	50.0	104%	75 - 139	0.7	19	9050753	NSE0373-10	05/06/09 21:57
1,2,3-Trichlorobenzene	ND	41.6		ug/L	50.0	83%	49 - 144	11	31	9050753	NSE0373-10	05/06/09 21:57
1,2,4-Trichlorobenzene	ND	41.5		ug/L	50.0	83%	55 - 135	7	26	9050753	NSE0373-10	05/06/09 21:57
1,1,2-Trichloroethane	ND	56.1		ug/L	50.0	112%	77 - 128	4	21	9050753	NSE0373-10	05/06/09 21:57
1,1,1-Trichloroethane	ND	50.1		ug/L	50.0	100%	80 - 136	3	16	9050753	NSE0373-10	05/06/09 21:57
Trichloroethene	3.47	49.4		ug/L	50.0	92%	57 - 158	0.2	28	9050753	NSE0373-10	05/06/09 21:57
Trichlorofluoromethane	ND	52.7		ug/L	50.0	105%	68 - 145	8	20	9050753	NSE0373-10	05/06/09 21:57
1,2,3-Trichloropropane	ND	60.5		ug/L	50.0	121%	55 - 137	3	26	9050753	NSE0373-10	05/06/09 21:57
1,3,5-Trimethylbenzene	ND	53.8		ug/L	50.0	108%	78 - 136	3	16	9050753	NSE0373-10	05/06/09 21:57
1,2,4-Trimethylbenzene	ND	54.8		ug/L	50.0	110%	70 - 143	3	22	9050753	NSE0373-10	05/06/09 21:57
Vinyl chloride	ND	38.4		ug/L	50.0	77%	49 - 156	0.5	26	9050753	NSE0373-10	05/06/09 21:57
Xylenes, total	ND	153		ug/L	150	102%	80 - 136	2	18	9050753	NSE0373-10	05/06/09 21:57
Surrogate: 1,2-Dichloroethane-d4		26.6		ug/L	25.0	106%	60 - 140			9050753	NSE0373-10	05/06/09 21:57
Surrogate: Dibromofluoromethane		28.2		ug/L	25.0	113%	75 - 124			9050753	NSE0373-10	05/06/09 21:57
Surrogate: Toluene-d8		27.0		ug/L	25.0	108%	78 - 121			9050753	NSE0373-10	05/06/09 21:57
Surrogate: 4-Bromofluorobenzene		26.6		ug/L	25.0	106%	79 - 124			9050753	NSE0373-10	05/06/09 21:57
9051003-MSD1												
Acetone	2.86	262		ug/L	250	104%	55 - 148	2	29	9051003	NSE0478-01	05/07/09 20:38
Benzene	0.920	50.2		ug/L	50.0	99%	68 - 143	1	23	9051003	NSE0478-01	05/07/09 20:38
Bromobenzene	ND	63.2		ug/L	50.0	126%	65 - 140	0.6	18	9051003	NSE0478-01	05/07/09 20:38
Bromochloromethane	ND	42.4		ug/L	50.0	85%	80 - 137	1	18	9051003	NSE0478-01	05/07/09 20:38
Bromodichloromethane	ND	49.5		ug/L	50.0	99%	80 - 132	0.9	18	9051003	NSE0478-01	05/07/09 20:38
Bromoform	ND	53.6		ug/L	50.0	107%	67 - 123	0.2	24	9051003	NSE0478-01	05/07/09 20:38
Bromomethane	ND	63.1		ug/L	50.0	126%	39 - 166	4	45	9051003	NSE0478-01	05/07/09 20:38
2-Butanone	ND	264		ug/L	250	106%	50 - 154	2	36	9051003	NSE0478-01	05/07/09 20:38
sec-Butylbenzene	2.82	58.0		ug/L	50.0	110%	73 - 142	0.2	17	9051003	NSE0478-01	05/07/09 20:38
n-Butylbenzene	0.350	58.0		ug/L	50.0	115%	64 - 147	0.3	18	9051003	NSE0478-01	05/07/09 20:38
tert-Butylbenzene	0.560	54.9		ug/L	50.0	109%	70 - 148	0.1	17	9051003	NSE0478-01	05/07/09 20:38
Carbon disulfide	ND	49.9		ug/L	50.0	100%	79 - 147	0.2	16	9051003	NSE0478-01	05/07/09 20:38

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051003-MSD1												
Carbon Tetrachloride	ND	48.1		ug/L	50.0	96%	62 - 165	0.6	29	9051003	NSE0478-01	05/07/09 20:38
Chlorobenzene	ND	50.9		ug/L	50.0	102%	67 - 140	1	27	9051003	NSE0478-01	05/07/09 20:38
Chlorodibromomethane	ND	59.0		ug/L	50.0	118%	72 - 123	0.5	21	9051003	NSE0478-01	05/07/09 20:38
Chloroethane	ND	51.0		ug/L	50.0	102%	74 - 151	7	32	9051003	NSE0478-01	05/07/09 20:38
Chloroform	ND	48.2		ug/L	50.0	96%	59 - 152	2	28	9051003	NSE0478-01	05/07/09 20:38
Chloromethane	2.80	41.3		ug/L	50.0	77%	33 - 138	9	21	9051003	NSE0478-01	05/07/09 20:38
2-Chlorotoluene	0.780	64.4		ug/L	50.0	127%	76 - 134	1	16	9051003	NSE0478-01	05/07/09 20:38
4-Chlorotoluene	ND	59.0		ug/L	50.0	118%	80 - 133	0.7	17	9051003	NSE0478-01	05/07/09 20:38
1,2-Dibromo-3-chloropropane	ND	50.4		ug/L	50.0	101%	60 - 136	1	29	9051003	NSE0478-01	05/07/09 20:38
1,2-Dibromoethane (EDB)	ND	56.5		ug/L	50.0	113%	80 - 132	0.7	21	9051003	NSE0478-01	05/07/09 20:38
Dibromomethane	ND	46.9		ug/L	50.0	94%	79 - 131	1	20	9051003	NSE0478-01	05/07/09 20:38
1,4-Dichlorobenzene	ND	52.7		ug/L	50.0	105%	80 - 126	3	19	9051003	NSE0478-01	05/07/09 20:38
1,3-Dichlorobenzene	ND	56.2		ug/L	50.0	112%	75 - 132	0.7	18	9051003	NSE0478-01	05/07/09 20:38
1,2-Dichlorobenzene	ND	54.1		ug/L	50.0	108%	80 - 130	1	23	9051003	NSE0478-01	05/07/09 20:38
Dichlorodifluoromethane	0.450	39.6		ug/L	50.0	78%	36 - 146	2	14	9051003	NSE0478-01	05/07/09 20:38
1,1-Dichloroethane	ND	57.5		ug/L	50.0	115%	76 - 131	0.4	15	9051003	NSE0478-01	05/07/09 20:38
1,2-Dichloroethane	1.16	45.5		ug/L	50.0	89%	53 - 146	2	26	9051003	NSE0478-01	05/07/09 20:38
cis-1,2-Dichloroethene	ND	55.6		ug/L	50.0	111%	76 - 141	1	14	9051003	NSE0478-01	05/07/09 20:38
1,1-Dichloroethene	ND	55.8		ug/L	50.0	112%	63 - 157	0.5	26	9051003	NSE0478-01	05/07/09 20:38
trans-1,2-Dichloroethene	ND	53.0		ug/L	50.0	106%	78 - 137	0.4	14	9051003	NSE0478-01	05/07/09 20:38
1,3-Dichloropropane	ND	57.5		ug/L	50.0	115%	76 - 130	0	21	9051003	NSE0478-01	05/07/09 20:38
1,2-Dichloropropane	ND	47.2		ug/L	50.0	94%	77 - 128	1	16	9051003	NSE0478-01	05/07/09 20:38
2,2-Dichloropropane	ND	49.2		ug/L	50.0	98%	62 - 145	2	14	9051003	NSE0478-01	05/07/09 20:38
cis-1,3-Dichloropropene	ND	56.5		ug/L	50.0	113%	71 - 140	3	19	9051003	NSE0478-01	05/07/09 20:38
trans-1,3-Dichloropropene	ND	58.6		ug/L	50.0	117%	65 - 137	1	20	9051003	NSE0478-01	05/07/09 20:38
1,1-Dichloropropene	ND	47.7		ug/L	50.0	95%	80 - 136	3	14	9051003	NSE0478-01	05/07/09 20:38
Ethylbenzene	0.790	52.2		ug/L	50.0	103%	80 - 135	0.9	17	9051003	NSE0478-01	05/07/09 20:38
Hexachlorobutadiene	ND	46.5		ug/L	50.0	93%	48 - 155	0.2	34	9051003	NSE0478-01	05/07/09 20:38
2-Hexanone	ND	299		ug/L	250	120%	58 - 154	4	34	9051003	NSE0478-01	05/07/09 20:38
Isopropylbenzene	ND	46.6		ug/L	50.0	93%	80 - 135	1	18	9051003	NSE0478-01	05/07/09 20:38
p-Isopropyltoluene	ND	53.4		ug/L	50.0	107%	74 - 139	0.3	17	9051003	NSE0478-01	05/07/09 20:38
Methyl tert-Butyl Ether	ND	41.7		ug/L	50.0	83%	60 - 144	2	32	9051003	NSE0478-01	05/07/09 20:38
Methylene Chloride	0.410	50.0		ug/L	50.0	99%	64 - 140	1	18	9051003	NSE0478-01	05/07/09 20:38
4-Methyl-2-pentanone	ND	318		ug/L	250	127%	55 - 153	2	31	9051003	NSE0478-01	05/07/09 20:38
Naphthalene	0.690	51.8		ug/L	50.0	102%	50 - 154	3	39	9051003	NSE0478-01	05/07/09 20:38
n-Propylbenzene	0.320	62.4		ug/L	50.0	124%	78 - 141	0.8	17	9051003	NSE0478-01	05/07/09 20:38
Styrene	ND	50.1		ug/L	50.0	100%	80 - 139	2	16	9051003	NSE0478-01	05/07/09 20:38
1,1,1,2-Tetrachloroethane	ND	56.4		ug/L	50.0	113%	75 - 140	0.4	17	9051003	NSE0478-01	05/07/09 20:38
1,1,2,2-Tetrachloroethane	ND	69.7		ug/L	50.0	139%	55 - 152	1	28	9051003	NSE0478-01	05/07/09 20:38
Tetrachloroethene	ND	46.9		ug/L	50.0	94%	67 - 150	1	27	9051003	NSE0478-01	05/07/09 20:38
Toluene	10.5	62.8		ug/L	50.0	105%	75 - 139	1	19	9051003	NSE0478-01	05/07/09 20:38

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0373
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/06/09 08:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051003-MSD1												
1,2,3-Trichlorobenzene	ND	50.3		ug/L	50.0	101%	49 - 144	11	31	9051003	NSE0478-01	05/07/09 20:38
1,2,4-Trichlorobenzene	ND	47.7		ug/L	50.0	95%	55 - 135	0.5	26	9051003	NSE0478-01	05/07/09 20:38
1,1,2-Trichloroethane	ND	56.1		ug/L	50.0	112%	77 - 128	0.2	21	9051003	NSE0478-01	05/07/09 20:38
1,1,1-Trichloroethane	ND	47.3		ug/L	50.0	95%	80 - 136	0.8	16	9051003	NSE0478-01	05/07/09 20:38
Trichloroethene	ND	44.6		ug/L	50.0	89%	57 - 158	1	28	9051003	NSE0478-01	05/07/09 20:38
Trichlorofluoromethane	ND	55.6		ug/L	50.0	111%	68 - 145	0.4	20	9051003	NSE0478-01	05/07/09 20:38
1,2,3-Trichloropropane	ND	62.4		ug/L	50.0	125%	55 - 137	2	26	9051003	NSE0478-01	05/07/09 20:38
1,3,5-Trimethylbenzene	1.59	60.3		ug/L	50.0	118%	78 - 136	0.5	16	9051003	NSE0478-01	05/07/09 20:38
1,2,4-Trimethylbenzene	3.05	63.9		ug/L	50.0	122%	70 - 143	0.2	22	9051003	NSE0478-01	05/07/09 20:38
Vinyl chloride	ND	47.7		ug/L	50.0	95%	49 - 156	3	26	9051003	NSE0478-01	05/07/09 20:38
Xylenes, total	11.0	163		ug/L	150	101%	80 - 136	1	18	9051003	NSE0478-01	05/07/09 20:38
Surrogate: 1,2-Dichloroethane-d4		24.4		ug/L	25.0	97%	60 - 140			9051003	NSE0478-01	05/07/09 20:38
Surrogate: Dibromofluoromethane		25.8		ug/L	25.0	103%	75 - 124			9051003	NSE0478-01	05/07/09 20:38
Surrogate: Toluene-d8		26.9		ug/L	25.0	108%	78 - 121			9051003	NSE0478-01	05/07/09 20:38
Surrogate: 4-Bromofluorobenzene		28.5		ug/L	25.0	114%	79 - 124			9051003	NSE0478-01	05/07/09 20:38

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSE0373
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/06/09 08:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
SW846 8260B	Water	N/A	X	X

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSE0373
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/06/09 08:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSE0373
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/06/09 08:15

DATA QUALIFIERS AND DEFINITIONS

R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R2 The RPD exceeded the acceptance limit.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES



NSE0373

Cooler Received/Opened On 5/6/09 @ 08:15_

1. Tracking # 04108 (last 4 digits, FedE:)

Courier: Fed-Ex IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 4.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 - FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

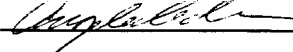
Client Telephone#: (865) 588-8544

Fax: (865) 588-8026

Site Address: 95 AMUS ST

Sampler Name (Print) ANGELA ADAMS

City, State, Zip: ROCHESTER New York

Sampler Signature: 

Regulatory District (CA): _____


Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix					Analyze for						RUSH TAT (Pre Schedule) *										
							(Orange Label) NaOH	(Blue Label) HCL	Sodium Bisulfate	Methanol	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	8260B Volatile Organics	Carbon Dioxide SM #1500CCO2C	RSK-175 Ethene	RSK-175 Methane		TOC SM5310 B									
OB-07	5/5/09	0935	3	X		N		X							X																				10
BR-09		1043	3																																11
QATB02		1527	1																																12
BR-11	5/5/09	0856	3																																17
OB-07(MSD)		0938	3																																20
BR-11(DUP)		0853	3																																14
OB-07(MS)		0936	3																																10
OB-06		1010	3																																5

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: **BO # 14699**

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by: <u></u>	Date: 5/5/09	Time: 1700	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Shipped Via: <u>FED EX</u>			Shipped Via:			QC Deliverables (Please Circle One): Level 2 <u>Level 3</u> Level 4 Site Specific		Date Due of Report: <u>STANDARD</u>
Received for TestAmerica by: <u>S. hnd</u>	Date: 5/6/09	Time: 8:14	Temperature Upon Receipt: 4.9	Sample Containers Intact? Y N		(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		
				VOCs Free of Headspace? Y N				

May 26, 2009

8:16:54AM

Client: MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn: Joe Deatherage

Work Order: NSE0502
Project Name: Former Taylor Instruments
Project Nbr: 3031-05-2006-09
P/O Nbr: 200904507
Date Received: 05/07/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
QATB01	NSE0502-01	05/05/09 15:26
BR-05	NSE0502-02	05/05/09 14:28
OB-05	NSE0502-03	05/05/09 15:16
OB-09	NSE0502-04	05/05/09 13:04
TW-17	NSE0502-05	05/05/09 11:52
BR-10	NSE0502-06	05/05/09 12:25
QAFB01	NSE0502-07	05/05/09 15:33
QARB01	NSE0502-08	05/05/09 15:34
QARB02	NSE0502-09	05/05/09 15:37
BR-15	NSE0502-10	05/06/09 08:49
BR-04	NSE0502-11	05/06/09 09:23
TW-09	NSE0502-12	05/06/09 09:57
OB-08	NSE0502-13	05/06/09 10:34
OB-08	NSE0502-14	05/06/09 10:38
W-5	NSE0502-15	05/06/09 11:25
W-5(DUP)	NSE0502-16	05/06/09 11:27
OB-4	NSE0502-17	05/06/09 13:03
OB-04	NSE0502-18	05/06/09 13:09
QAFB02	NSE0502-19	05/06/09 13:22

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

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

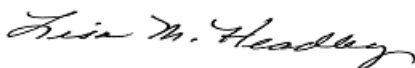
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSE0502
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/07/09 08:15

Lisa Headley
Senior Project Manager

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-01 (QATB01 - Water) Sampled: 05/05/09 15:26								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 15:52	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 15:52	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 15:52	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-01 (QATB01 - Water) - cont. Sampled: 05/05/09 15:26								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 15:52	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 15:52	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 15:52	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Trichloroethene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 15:52	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 15:52	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>102 %</i>					<i>05/07/09 15:52</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>99 %</i>					<i>05/07/09 15:52</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>101 %</i>					<i>05/07/09 15:52</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>103 %</i>					<i>05/07/09 15:52</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-02 (BR-05 - Water) Sampled: 05/05/09 14:28

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/07/09 16:42	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 16:42	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-02 (BR-05 - Water) - cont. Sampled: 05/05/09 14:28								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
cis-1,2-Dichloroethene	124		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1-Dichloroethene	1.16		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
trans-1,2-Dichloroethene	8.83		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 16:42	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 16:42	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 16:42	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 16:42	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Trichloroethene	74.7		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-02 (BR-05 - Water) - cont. Sampled: 05/05/09 14:28								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Vinyl chloride	8.79		ug/L	1.00	1	05/07/09 16:42	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 16:42	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>103 %</i>					<i>05/07/09 16:42</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>102 %</i>					<i>05/07/09 16:42</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>98 %</i>					<i>05/07/09 16:42</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>101 %</i>					<i>05/07/09 16:42</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-03 (OB-05 - Water) Sampled: 05/05/09 15:16

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/08/09 01:36	SW846 8260B	9050841
Benzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Bromobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Bromochloromethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Bromodichloromethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Bromoform	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Bromomethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
2-Butanone	ND		ug/L	50.0	1	05/08/09 01:36	SW846 8260B	9050841
sec-Butylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
n-Butylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
tert-Butylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Carbon disulfide	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Carbon Tetrachloride	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Chlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Chlorodibromomethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Chloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Chloroform	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Chloromethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
2-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
4-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Dibromomethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1-Dichloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2-Dichloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
cis-1,2-Dichloroethene	2.65		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1-Dichloroethene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-03 (OB-05 - Water) - cont. Sampled: 05/05/09 15:16								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
2,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1-Dichloropropene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Ethylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Hexachlorobutadiene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
2-Hexanone	ND		ug/L	50.0	1	05/08/09 01:36	SW846 8260B	9050841
Isopropylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
p-Isopropyltoluene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Methylene Chloride	ND		ug/L	5.00	1	05/08/09 01:36	SW846 8260B	9050841
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/08/09 01:36	SW846 8260B	9050841
Naphthalene	ND		ug/L	5.00	1	05/08/09 01:36	SW846 8260B	9050841
n-Propylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Styrene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Tetrachloroethene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Toluene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Trichloroethene	242		ug/L	5.00	5	05/08/09 16:01	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Vinyl chloride	ND		ug/L	1.00	1	05/08/09 01:36	SW846 8260B	9050841
Xylenes, total	ND		ug/L	3.00	1	05/08/09 01:36	SW846 8260B	9050841
Surr: 1,2-Dichloroethane-d4 (60-140%)	91 %					05/08/09 01:36	SW846 8260B	9050841
Surr: 1,2-Dichloroethane-d4 (60-140%)	96 %					05/08/09 16:01	SW846 8260B	9051000
Surr: Dibromofluoromethane (75-124%)	102 %					05/08/09 01:36	SW846 8260B	9050841
Surr: Dibromofluoromethane (75-124%)	99 %					05/08/09 16:01	SW846 8260B	9051000
Surr: Toluene-d8 (78-121%)	99 %					05/08/09 01:36	SW846 8260B	9050841
Surr: Toluene-d8 (78-121%)	99 %					05/08/09 16:01	SW846 8260B	9051000
Surr: 4-Bromofluorobenzene (79-124%)	107 %					05/08/09 01:36	SW846 8260B	9050841
Surr: 4-Bromofluorobenzene (79-124%)	102 %					05/08/09 16:01	SW846 8260B	9051000

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-04 (OB-09 - Water) Sampled: 05/05/09 13:04								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 17:08	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 17:08	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
cis-1,2-Dichloroethene	1.18		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 17:08	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-04 (OB-09 - Water) - cont. Sampled: 05/05/09 13:04								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 17:08	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 17:08	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 17:08	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Trichloroethene	62.6		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 17:08	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 17:08	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>100 %</i>					<i>05/07/09 17:08</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>95 %</i>					<i>05/07/09 17:08</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>97 %</i>					<i>05/07/09 17:08</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>104 %</i>					<i>05/07/09 17:08</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-05 (TW-17 - Water) Sampled: 05/05/09 11:52

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/07/09 17:33	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 17:33	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-05 (TW-17 - Water) - cont. Sampled: 05/05/09 11:52								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
cis-1,2-Dichloroethene	6.46		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 17:33	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 17:33	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 17:33	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 17:33	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Trichloroethene	332		ug/L	5.00	5	05/08/09 16:27	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-05 (TW-17 - Water) - cont. Sampled: 05/05/09 11:52								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 17:33	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 17:33	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>103 %</i>					<i>05/07/09 17:33</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>95 %</i>					<i>05/08/09 16:27</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>101 %</i>					<i>05/07/09 17:33</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>99 %</i>					<i>05/08/09 16:27</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>98 %</i>					<i>05/07/09 17:33</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>94 %</i>					<i>05/08/09 16:27</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>101 %</i>					<i>05/07/09 17:33</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>104 %</i>					<i>05/08/09 16:27</i>	<i>SW846 8260B</i>	<i>9051000</i>

Sample ID: NSE0502-06 (BR-10 - Water) Sampled: 05/05/09 12:25

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/07/09 17:59	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 17:59	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-06 (BR-10 - Water) - cont. Sampled: 05/05/09 12:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
cis-1,2-Dichloroethene	66.1		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
trans-1,2-Dichloroethene	10.3		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 17:59	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 17:59	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 17:59	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 17:59	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Tetrachloroethene	1.67		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Trichloroethene	235		ug/L	5.00	5	05/08/09 16:52	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Vinyl chloride	1.07		ug/L	1.00	1	05/07/09 17:59	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 17:59	SW846 8260B	9050998
Surr: 1,2-Dichloroethane-d4 (60-140%)	96 %					05/07/09 17:59	SW846 8260B	9050998
Surr: 1,2-Dichloroethane-d4 (60-140%)	100 %					05/08/09 16:52	SW846 8260B	9051000
Surr: Dibromofluoromethane (75-124%)	100 %					05/07/09 17:59	SW846 8260B	9050998
Surr: Dibromofluoromethane (75-124%)	95 %					05/08/09 16:52	SW846 8260B	9051000
Surr: Toluene-d8 (78-121%)	100 %					05/07/09 17:59	SW846 8260B	9050998
Surr: Toluene-d8 (78-121%)	95 %					05/08/09 16:52	SW846 8260B	9051000
Surr: 4-Bromofluorobenzene (79-124%)	104 %					05/07/09 17:59	SW846 8260B	9050998
Surr: 4-Bromofluorobenzene (79-124%)	102 %					05/08/09 16:52	SW846 8260B	9051000

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-07 (QAFB01 - Water) Sampled: 05/05/09 15:33								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 18:24	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 18:24	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 18:24	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-07 (QAFB01 - Water) - cont. Sampled: 05/05/09 15:33								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 18:24	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 18:24	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 18:24	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Trichloroethene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 18:24	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 18:24	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>100 %</i>					<i>05/07/09 18:24</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>98 %</i>					<i>05/07/09 18:24</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>103 %</i>					<i>05/07/09 18:24</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>108 %</i>					<i>05/07/09 18:24</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-08 (QARB01 - Water) Sampled: 05/05/09 15:34

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/07/09 18:49	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 18:49	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-08 (QARB01 - Water) - cont. Sampled: 05/05/09 15:34								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 18:49	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 18:49	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 18:49	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 18:49	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Trichloroethene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-08 (QARB01 - Water) - cont. Sampled: 05/05/09 15:34								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 18:49	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 18:49	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>99 %</i>					<i>05/07/09 18:49</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>95 %</i>					<i>05/07/09 18:49</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>99 %</i>					<i>05/07/09 18:49</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>104 %</i>					<i>05/07/09 18:49</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-09 (QARB02 - Water) Sampled: 05/05/09 15:37

Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 19:15	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 19:15	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-09 (QARB02 - Water) - cont. Sampled: 05/05/09 15:37								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 19:15	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 19:15	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 19:15	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 19:15	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Trichloroethene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 19:15	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 19:15	SW846 8260B	9050998
Surr: 1,2-Dichloroethane-d4 (60-140%)	100 %					05/07/09 19:15	SW846 8260B	9050998
Surr: Dibromofluoromethane (75-124%)	102 %					05/07/09 19:15	SW846 8260B	9050998
Surr: Toluene-d8 (78-121%)	100 %					05/07/09 19:15	SW846 8260B	9050998
Surr: 4-Bromofluorobenzene (79-124%)	99 %					05/07/09 19:15	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-10 (BR-15 - Water) Sampled: 05/06/09 08:49								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 19:40	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 19:40	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
cis-1,2-Dichloroethene	105		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
trans-1,2-Dichloroethene	1.33		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 19:40	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-10 (BR-15 - Water) - cont. Sampled: 05/06/09 08:49								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 19:40	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 19:40	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 19:40	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Trichloroethene	261		ug/L	5.00	5	05/08/09 17:17	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Vinyl chloride	6.40		ug/L	1.00	1	05/07/09 19:40	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 19:40	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>102 %</i>					<i>05/07/09 19:40</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>96 %</i>					<i>05/08/09 17:17</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>95 %</i>					<i>05/07/09 19:40</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>93 %</i>					<i>05/08/09 17:17</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>99 %</i>					<i>05/07/09 19:40</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>101 %</i>					<i>05/08/09 17:17</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>104 %</i>					<i>05/07/09 19:40</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>105 %</i>					<i>05/08/09 17:17</i>	<i>SW846 8260B</i>	<i>9051000</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-11 (BR-04 - Water) Sampled: 05/06/09 09:23								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 20:06	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 20:06	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
cis-1,2-Dichloroethene	163		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1-Dichloroethene	1.59		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
trans-1,2-Dichloroethene	10.9		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 20:06	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-11 (BR-04 - Water) - cont. Sampled: 05/06/09 09:23								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 20:06	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 20:06	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 20:06	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Trichloroethene	498		ug/L	10.0	10	05/08/09 17:43	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Vinyl chloride	ND		ug/L	1.00	1	05/07/09 20:06	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 20:06	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>101 %</i>					<i>05/07/09 20:06</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>99 %</i>					<i>05/08/09 17:43</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>90 %</i>					<i>05/07/09 20:06</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>98 %</i>					<i>05/08/09 17:43</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>99 %</i>					<i>05/07/09 20:06</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>98 %</i>					<i>05/08/09 17:43</i>	<i>SW846 8260B</i>	<i>9051000</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>101 %</i>					<i>05/07/09 20:06</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>105 %</i>					<i>05/08/09 17:43</i>	<i>SW846 8260B</i>	<i>9051000</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-12 (TW-09 - Water) Sampled: 05/06/09 09:57								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/07/09 20:31	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 20:31	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Chloroform	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
cis-1,2-Dichloroethene	32.6		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
trans-1,2-Dichloroethene	32.0		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 20:31	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-12 (TW-09 - Water) - cont. Sampled: 05/06/09 09:57								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 20:31	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 20:31	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 20:31	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Trichloroethene	72.1		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Vinyl chloride	5.83		ug/L	1.00	1	05/07/09 20:31	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 20:31	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>102 %</i>					<i>05/07/09 20:31</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>98 %</i>					<i>05/07/09 20:31</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>100 %</i>					<i>05/07/09 20:31</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>98 %</i>					<i>05/07/09 20:31</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-13 (OB-08 - Water) Sampled: 05/06/09 10:34

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/07/09 20:56	SW846 8260B	9050998
Benzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Bromobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Bromochloromethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Bromodichloromethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Bromoform	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Bromomethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
2-Butanone	ND		ug/L	50.0	1	05/07/09 20:56	SW846 8260B	9050998
sec-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
n-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
tert-Butylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Carbon disulfide	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Carbon Tetrachloride	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Chlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Chlorodibromomethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Chloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-13 (OB-08 - Water) - cont. Sampled: 05/06/09 10:34								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Chloromethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
2-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
4-Chlorotoluene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Dibromomethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2-Dichloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
cis-1,2-Dichloroethene	42.5		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1-Dichloroethene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
trans-1,2-Dichloroethene	10.2		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,3-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
2,2-Dichloropropane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1-Dichloropropene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Ethylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Hexachlorobutadiene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
2-Hexanone	ND		ug/L	50.0	1	05/07/09 20:56	SW846 8260B	9050998
Isopropylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
p-Isopropyltoluene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Methylene Chloride	ND		ug/L	5.00	1	05/07/09 20:56	SW846 8260B	9050998
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/07/09 20:56	SW846 8260B	9050998
Naphthalene	ND		ug/L	5.00	1	05/07/09 20:56	SW846 8260B	9050998
n-Propylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Styrene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Tetrachloroethene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Toluene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Trichloroethene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Trichlorofluoromethane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-13 (OB-08 - Water) - cont. Sampled: 05/06/09 10:34								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Vinyl chloride	83.8		ug/L	1.00	1	05/07/09 20:56	SW846 8260B	9050998
Xylenes, total	ND		ug/L	3.00	1	05/07/09 20:56	SW846 8260B	9050998
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>102 %</i>					<i>05/07/09 20:56</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>93 %</i>					<i>05/07/09 20:56</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>96 %</i>					<i>05/07/09 20:56</i>	<i>SW846 8260B</i>	<i>9050998</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>106 %</i>					<i>05/07/09 20:56</i>	<i>SW846 8260B</i>	<i>9050998</i>

Sample ID: NSE0502-14 (OB-08 - Water) Sampled: 05/06/09 10:38

General Chemistry Parameters								
Carbon Dioxide	24.8	HTI	mg/L	5.00	1	05/19/09 14:40	SM 4500CO2 C	9051538
Total Organic Carbon	6.91	C8	mg/L	1.00	1	05/22/09 16:07	SM5310 B	9052264
Methane, Ethane, and Ethene by GC								
Ethene	323		ug/L	26.0	1	05/18/09 16:28	RSK 175	9051203
Methane	7900		ug/L	260	10	05/18/09 16:39	RSK 175	9051203
<i>Surr: Acetylene (74-120%)</i>	<i>107 %</i>					<i>05/18/09 16:28</i>	<i>RSK 175</i>	<i>9051203</i>
<i>Surr: Acetylene (74-120%)</i>	<i>107 %</i>					<i>05/18/09 16:28</i>	<i>RSK 175</i>	<i>9051203</i>

Sample ID: NSE0502-15 (W-5 - Water) Sampled: 05/06/09 11:25

Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/08/09 02:02	SW846 8260B	9050841
Benzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Bromobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Bromochloromethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Bromodichloromethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Bromoform	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Bromomethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
2-Butanone	ND		ug/L	50.0	1	05/08/09 02:02	SW846 8260B	9050841
sec-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
n-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
tert-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Carbon disulfide	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Carbon Tetrachloride	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Chlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Chlorodibromomethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Chloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Chloroform	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Chloromethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
2-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
4-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/08/09 02:02	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-15 (W-5 - Water) - cont. Sampled: 05/06/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Dibromomethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
cis-1,2-Dichloroethene	124		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1-Dichloroethene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
trans-1,2-Dichloroethene	2.61		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,3-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
2,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Ethylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Hexachlorobutadiene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
2-Hexanone	ND		ug/L	50.0	1	05/08/09 02:02	SW846 8260B	9050841
Isopropylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
p-Isopropyltoluene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Methylene Chloride	ND		ug/L	5.00	1	05/08/09 02:02	SW846 8260B	9050841
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/08/09 02:02	SW846 8260B	9050841
Naphthalene	ND		ug/L	5.00	1	05/08/09 02:02	SW846 8260B	9050841
n-Propylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Styrene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Tetrachloroethene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Toluene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Trichloroethene	961		ug/L	10.0	10	05/08/09 18:08	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Vinyl chloride	1.33		ug/L	1.00	1	05/08/09 02:02	SW846 8260B	9050841
Xylenes, total	ND		ug/L	3.00	1	05/08/09 02:02	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-15 (W-5 - Water) - cont. Sampled: 05/06/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (60-140%)	97 %					05/08/09 02:02	SW846 8260B	9050841
Surr: 1,2-Dichloroethane-d4 (60-140%)	95 %					05/08/09 18:08	SW846 8260B	9051000
Surr: Dibromofluoromethane (75-124%)	98 %					05/08/09 02:02	SW846 8260B	9050841
Surr: Dibromofluoromethane (75-124%)	95 %					05/08/09 18:08	SW846 8260B	9051000
Surr: Toluene-d8 (78-121%)	100 %					05/08/09 02:02	SW846 8260B	9050841
Surr: Toluene-d8 (78-121%)	97 %					05/08/09 18:08	SW846 8260B	9051000
Surr: 4-Bromofluorobenzene (79-124%)	104 %					05/08/09 02:02	SW846 8260B	9050841
Surr: 4-Bromofluorobenzene (79-124%)	100 %					05/08/09 18:08	SW846 8260B	9051000

Sample ID: NSE0502-16 (W-5(DUP) - Water) Sampled: 05/06/09 11:27

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	05/08/09 02:27	SW846 8260B	9050841
Benzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Bromobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Bromochloromethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Bromodichloromethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Bromoform	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Bromomethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
2-Butanone	ND		ug/L	50.0	1	05/08/09 02:27	SW846 8260B	9050841
sec-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
n-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
tert-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Carbon disulfide	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Carbon Tetrachloride	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Chlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Chlorodibromomethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Chloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Chloroform	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Chloromethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
2-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
4-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Dibromomethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
cis-1,2-Dichloroethene	123		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1-Dichloroethene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
trans-1,2-Dichloroethene	2.69		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,3-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-16 (W-5(DUP) - Water) - cont. Sampled: 05/06/09 11:27								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
2,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Ethylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Hexachlorobutadiene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
2-Hexanone	ND		ug/L	50.0	1	05/08/09 02:27	SW846 8260B	9050841
Isopropylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
p-Isopropyltoluene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Methylene Chloride	ND		ug/L	5.00	1	05/08/09 02:27	SW846 8260B	9050841
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/08/09 02:27	SW846 8260B	9050841
Naphthalene	ND		ug/L	5.00	1	05/08/09 02:27	SW846 8260B	9050841
n-Propylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Styrene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Tetrachloroethene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Toluene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Trichloroethene	961		ug/L	10.0	10	05/08/09 18:34	SW846 8260B	9051000
Trichlorofluoromethane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Vinyl chloride	ND		ug/L	1.00	1	05/08/09 02:27	SW846 8260B	9050841
Xylenes, total	ND		ug/L	3.00	1	05/08/09 02:27	SW846 8260B	9050841
Surr: 1,2-Dichloroethane-d4 (60-140%)	96 %					05/08/09 02:27	SW846 8260B	9050841
Surr: 1,2-Dichloroethane-d4 (60-140%)	101 %					05/08/09 18:34	SW846 8260B	9051000
Surr: Dibromofluoromethane (75-124%)	97 %					05/08/09 02:27	SW846 8260B	9050841
Surr: Dibromofluoromethane (75-124%)	97 %					05/08/09 18:34	SW846 8260B	9051000
Surr: Toluene-d8 (78-121%)	100 %					05/08/09 02:27	SW846 8260B	9050841
Surr: Toluene-d8 (78-121%)	99 %					05/08/09 18:34	SW846 8260B	9051000
Surr: 4-Bromofluorobenzene (79-124%)	104 %					05/08/09 02:27	SW846 8260B	9050841
Surr: 4-Bromofluorobenzene (79-124%)	102 %					05/08/09 18:34	SW846 8260B	9051000

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-17 (OB-4 - Water) Sampled: 05/06/09 13:03								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	50.5		ug/L	50.0	1	05/08/09 02:52	SW846 8260B	9050841
Benzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Bromobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Bromochloromethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Bromodichloromethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Bromoform	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Bromomethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
2-Butanone	ND		ug/L	50.0	1	05/08/09 02:52	SW846 8260B	9050841
sec-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
n-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
tert-Butylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Carbon disulfide	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Carbon Tetrachloride	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Chlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Chlorodibromomethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Chloroethane	1.39		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Chloroform	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Chloromethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
2-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
4-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Dibromomethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2-Dichloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
cis-1,2-Dichloroethene	102		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1-Dichloroethene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
trans-1,2-Dichloroethene	2.27		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,3-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
2,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1-Dichloropropene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Ethylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Hexachlorobutadiene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
2-Hexanone	ND		ug/L	50.0	1	05/08/09 02:52	SW846 8260B	9050841
Isopropylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
p-Isopropyltoluene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-17 (OB-4 - Water) - cont. Sampled: 05/06/09 13:03								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Methylene Chloride	ND		ug/L	5.00	1	05/08/09 02:52	SW846 8260B	9050841
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/08/09 02:52	SW846 8260B	9050841
Naphthalene	ND		ug/L	5.00	1	05/08/09 02:52	SW846 8260B	9050841
n-Propylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Styrene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Tetrachloroethene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Toluene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Trichloroethene	28.9		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Trichlorofluoromethane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Vinyl chloride	21.7		ug/L	1.00	1	05/08/09 02:52	SW846 8260B	9050841
Xylenes, total	ND		ug/L	3.00	1	05/08/09 02:52	SW846 8260B	9050841
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	98 %					05/08/09 02:52	SW846 8260B	9050841
<i>Surr: Dibromofluoromethane (75-124%)</i>	102 %					05/08/09 02:52	SW846 8260B	9050841
<i>Surr: Toluene-d8 (78-121%)</i>	98 %					05/08/09 02:52	SW846 8260B	9050841
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	104 %					05/08/09 02:52	SW846 8260B	9050841
Sample ID: NSE0502-18 (OB-04 - Water) Sampled: 05/06/09 13:09								
General Chemistry Parameters								
Carbon Dioxide	136	HTI	mg/L	5.00	1	05/19/09 14:40	SM 4500CO2 C	9051538
Total Organic Carbon	112		mg/L	1.00	1	05/22/09 16:07	SM5310 B	9052264
Methane, Ethane, and Ethene by GC								
Ethene	250		ug/L	26.0	1	05/18/09 16:31	RSK 175	9051203
Methane	13800		ug/L	260	10	05/18/09 16:43	RSK 175	9051203
<i>Surr: Acetylene (74-120%)</i>	96 %					05/18/09 16:31	RSK 175	9051203
<i>Surr: Acetylene (74-120%)</i>	96 %					05/18/09 16:31	RSK 175	9051203
Sample ID: NSE0502-19 (QAFB02 - Water) Sampled: 05/06/09 13:22								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/08/09 03:18	SW846 8260B	9050841
Benzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Bromobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Bromochloromethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Bromodichloromethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-19 (QAFB02 - Water) - cont. Sampled: 05/06/09 13:22								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Bromoform	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Bromomethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
2-Butanone	ND		ug/L	50.0	1	05/08/09 03:18	SW846 8260B	9050841
sec-Butylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
n-Butylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
tert-Butylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Carbon disulfide	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Carbon Tetrachloride	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Chlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Chlorodibromomethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Chloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Chloroform	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Chloromethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
2-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
4-Chlorotoluene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Dibromomethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1-Dichloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2-Dichloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1-Dichloroethene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,3-Dichloropropane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
2,2-Dichloropropane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1-Dichloropropene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Ethylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Hexachlorobutadiene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
2-Hexanone	ND		ug/L	50.0	1	05/08/09 03:18	SW846 8260B	9050841
Isopropylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
p-Isopropyltoluene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Methylene Chloride	ND		ug/L	5.00	1	05/08/09 03:18	SW846 8260B	9050841
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/08/09 03:18	SW846 8260B	9050841
Naphthalene	ND		ug/L	5.00	1	05/08/09 03:18	SW846 8260B	9050841
n-Propylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSE0502-19 (QAFB02 - Water) - cont. Sampled: 05/06/09 13:22								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Styrene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Tetrachloroethene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Toluene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Trichloroethene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Trichlorofluoromethane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Vinyl chloride	ND		ug/L	1.00	1	05/08/09 03:18	SW846 8260B	9050841
Xylenes, total	ND		ug/L	3.00	1	05/08/09 03:18	SW846 8260B	9050841
<i>Surr: 1,2-Dichloroethane-d4 (60-140%)</i>	<i>107 %</i>					<i>05/08/09 03:18</i>	<i>SW846 8260B</i>	<i>9050841</i>
<i>Surr: Dibromofluoromethane (75-124%)</i>	<i>106 %</i>					<i>05/08/09 03:18</i>	<i>SW846 8260B</i>	<i>9050841</i>
<i>Surr: Toluene-d8 (78-121%)</i>	<i>95 %</i>					<i>05/08/09 03:18</i>	<i>SW846 8260B</i>	<i>9050841</i>
<i>Surr: 4-Bromofluorobenzene (79-124%)</i>	<i>106 %</i>					<i>05/08/09 03:18</i>	<i>SW846 8260B</i>	<i>9050841</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
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 Knoxville, TN 37921
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Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
9051538-BLK1						
Carbon Dioxide	<2.40		mg/L	9051538	9051538-BLK1	05/19/09 15:40
9052264-BLK1						
Total Organic Carbon	0.617		mg/L	9052264	9052264-BLK1	05/18/09 15:03
Methane, Ethane, and Ethene by GC						
9051203-BLK1						
Ethene	<11.0		ug/L	9051203	9051203-BLK1	05/18/09 16:16
Methane	21.0		ug/L	9051203	9051203-BLK1	05/18/09 16:16
Surrogate: Acetylene	94%			9051203	9051203-BLK1	05/18/09 16:16
Surrogate: Acetylene	94%			9051203	9051203-BLK1	05/18/09 16:16
Volatile Organic Compounds by EPA Method 8260B						
9050841-BLK1						
Acetone	<25.0		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Benzene	<0.270		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Bromobenzene	<0.360		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Bromochloromethane	<0.400		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Bromodichloromethane	<0.350		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Bromoform	<0.430		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Bromomethane	<0.420		ug/L	9050841	9050841-BLK1	05/08/09 00:45
2-Butanone	<2.40		ug/L	9050841	9050841-BLK1	05/08/09 00:45
sec-Butylbenzene	<0.140		ug/L	9050841	9050841-BLK1	05/08/09 00:45
n-Butylbenzene	<0.280		ug/L	9050841	9050841-BLK1	05/08/09 00:45
tert-Butylbenzene	<0.330		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Carbon disulfide	<0.380		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Carbon Tetrachloride	<0.350		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Chlorobenzene	<0.180		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Chlorodibromomethane	<0.280		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Chloroethane	<0.450		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Chloroform	<0.280		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Chloromethane	<0.380		ug/L	9050841	9050841-BLK1	05/08/09 00:45
2-Chlorotoluene	<0.300		ug/L	9050841	9050841-BLK1	05/08/09 00:45
4-Chlorotoluene	<0.330		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2-Dibromoethane (EDB)	<0.390		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Dibromomethane	<0.350		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,4-Dichlorobenzene	<0.380		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,3-Dichlorobenzene	<0.350		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2-Dichlorobenzene	<0.500		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Dichlorodifluoromethane	<0.460		ug/L	9050841	9050841-BLK1	05/08/09 00:45

Client MACTEC Engineering & Consulting, Inc. (4997)
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 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9050841-BLK1						
1,1-Dichloroethane	<0.540		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2-Dichloroethane	<0.370		ug/L	9050841	9050841-BLK1	05/08/09 00:45
cis-1,2-Dichloroethene	<0.390		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1-Dichloroethene	<0.340		ug/L	9050841	9050841-BLK1	05/08/09 00:45
trans-1,2-Dichloroethene	<0.470		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,3-Dichloropropane	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2-Dichloropropane	<0.320		ug/L	9050841	9050841-BLK1	05/08/09 00:45
2,2-Dichloropropane	<0.420		ug/L	9050841	9050841-BLK1	05/08/09 00:45
cis-1,3-Dichloropropene	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
trans-1,3-Dichloropropene	<0.330		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1-Dichloropropene	<0.310		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Ethylbenzene	<0.240		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Hexachlorobutadiene	<0.910		ug/L	9050841	9050841-BLK1	05/08/09 00:45
2-Hexanone	<16.7		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Isopropylbenzene	<0.300		ug/L	9050841	9050841-BLK1	05/08/09 00:45
p-Isopropyltoluene	<0.220		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Methyl tert-Butyl Ether	<0.420		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Methylene Chloride	<0.830		ug/L	9050841	9050841-BLK1	05/08/09 00:45
4-Methyl-2-pentanone	<3.49		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Naphthalene	<0.540		ug/L	9050841	9050841-BLK1	05/08/09 00:45
n-Propylbenzene	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Styrene	<0.330		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1,1,2-Tetrachloroethane	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1,2,2-Tetrachloroethane	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Tetrachloroethene	<0.230		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Toluene	<0.280		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2,3-Trichlorobenzene	<0.940		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2,4-Trichlorobenzene	<0.500		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1,2-Trichloroethane	<0.400		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,1,1-Trichloroethane	<0.370		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Trichloroethene	<0.230		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Trichlorofluoromethane	<0.350		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2,3-Trichloropropane	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,3,5-Trimethylbenzene	<0.160		ug/L	9050841	9050841-BLK1	05/08/09 00:45
1,2,4-Trimethylbenzene	<0.170		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Vinyl chloride	<0.290		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Xylenes, total	<0.860		ug/L	9050841	9050841-BLK1	05/08/09 00:45
Surrogate: 1,2-Dichloroethane-d4	103%			9050841	9050841-BLK1	05/08/09 00:45
Surrogate: Dibromofluoromethane	100%			9050841	9050841-BLK1	05/08/09 00:45
Surrogate: Toluene-d8	95%			9050841	9050841-BLK1	05/08/09 00:45
Surrogate: 4-Bromofluorobenzene	105%			9050841	9050841-BLK1	05/08/09 00:45

Client MACTEC Engineering & Consulting, Inc. (4997)
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 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9050998-BLK1						
Acetone	<25.0		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Benzene	<0.270		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Bromobenzene	<0.360		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Bromochloromethane	<0.400		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Bromodichloromethane	<0.350		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Bromoform	<0.430		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Bromomethane	<0.420		ug/L	9050998	9050998-BLK1	05/07/09 12:28
2-Butanone	<2.40		ug/L	9050998	9050998-BLK1	05/07/09 12:28
sec-Butylbenzene	<0.140		ug/L	9050998	9050998-BLK1	05/07/09 12:28
tert-Butylbenzene	<0.330		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Carbon disulfide	<0.380		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Carbon Tetrachloride	<0.350		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Chlorobenzene	<0.180		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Chlorodibromomethane	<0.280		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Chloroethane	<0.450		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Chloroform	<0.280		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Chloromethane	<0.380		ug/L	9050998	9050998-BLK1	05/07/09 12:28
2-Chlorotoluene	<0.300		ug/L	9050998	9050998-BLK1	05/07/09 12:28
4-Chlorotoluene	<0.330		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2-Dibromoethane (EDB)	<0.390		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Dibromomethane	<0.350		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,4-Dichlorobenzene	<0.380		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,3-Dichlorobenzene	<0.350		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2-Dichlorobenzene	<0.500		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Dichlorodifluoromethane	<0.460		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1-Dichloroethane	<0.540		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2-Dichloroethane	<0.370		ug/L	9050998	9050998-BLK1	05/07/09 12:28
cis-1,2-Dichloroethene	<0.390		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1-Dichloroethene	<0.340		ug/L	9050998	9050998-BLK1	05/07/09 12:28
trans-1,2-Dichloroethene	<0.470		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,3-Dichloropropane	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2-Dichloropropane	<0.320		ug/L	9050998	9050998-BLK1	05/07/09 12:28
2,2-Dichloropropane	<0.420		ug/L	9050998	9050998-BLK1	05/07/09 12:28
cis-1,3-Dichloropropene	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
trans-1,3-Dichloropropene	<0.330		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1-Dichloropropene	<0.310		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Ethylbenzene	<0.240		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Hexachlorobutadiene	<0.910		ug/L	9050998	9050998-BLK1	05/07/09 12:28
2-Hexanone	<16.7		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Isopropylbenzene	<0.300		ug/L	9050998	9050998-BLK1	05/07/09 12:28

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PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9050998-BLK1						
p-Isopropyltoluene	<0.220		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Methyl tert-Butyl Ether	<0.420		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Methylene Chloride	<0.830		ug/L	9050998	9050998-BLK1	05/07/09 12:28
4-Methyl-2-pentanone	<3.49		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Naphthalene	<0.540		ug/L	9050998	9050998-BLK1	05/07/09 12:28
n-Propylbenzene	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Styrene	<0.330		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1,1,2-Tetrachloroethane	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1,2,2-Tetrachloroethane	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Tetrachloroethene	<0.230		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Toluene	<0.280		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2,3-Trichlorobenzene	<0.940		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2,4-Trichlorobenzene	<0.500		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1,2-Trichloroethane	<0.400		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,1,1-Trichloroethane	<0.370		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Trichloroethene	<0.230		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Trichlorofluoromethane	<0.350		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2,3-Trichloropropane	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,3,5-Trimethylbenzene	<0.160		ug/L	9050998	9050998-BLK1	05/07/09 12:28
1,2,4-Trimethylbenzene	<0.170		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Vinyl chloride	<0.290		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Xylenes, total	<0.860		ug/L	9050998	9050998-BLK1	05/07/09 12:28
Surrogate: 1,2-Dichloroethane-d4	104%			9050998	9050998-BLK1	05/07/09 12:28
Surrogate: Dibromofluoromethane	104%			9050998	9050998-BLK1	05/07/09 12:28
Surrogate: Toluene-d8	101%			9050998	9050998-BLK1	05/07/09 12:28
Surrogate: 4-Bromofluorobenzene	103%			9050998	9050998-BLK1	05/07/09 12:28
9051000-BLK1						
Acetone	<25.0		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Benzene	<0.270		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Bromobenzene	<0.360		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Bromochloromethane	<0.400		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Bromodichloromethane	<0.350		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Bromoform	<0.430		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Bromomethane	<0.420		ug/L	9051000	9051000-BLK1	05/08/09 12:37
2-Butanone	<2.40		ug/L	9051000	9051000-BLK1	05/08/09 12:37
sec-Butylbenzene	<0.140		ug/L	9051000	9051000-BLK1	05/08/09 12:37
n-Butylbenzene	<0.280		ug/L	9051000	9051000-BLK1	05/08/09 12:37
tert-Butylbenzene	<0.330		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Carbon disulfide	<0.380		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Carbon Tetrachloride	<0.350		ug/L	9051000	9051000-BLK1	05/08/09 12:37

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9051000-BLK1						
Chlorobenzene	<0.180		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Chlorodibromomethane	<0.280		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Chloroethane	<0.450		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Chloroform	<0.280		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Chloromethane	<0.380		ug/L	9051000	9051000-BLK1	05/08/09 12:37
2-Chlorotoluene	<0.300		ug/L	9051000	9051000-BLK1	05/08/09 12:37
4-Chlorotoluene	<0.330		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2-Dibromoethane (EDB)	<0.390		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Dibromomethane	<0.350		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,4-Dichlorobenzene	<0.380		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,3-Dichlorobenzene	<0.350		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2-Dichlorobenzene	<0.500		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Dichlorodifluoromethane	<0.460		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1-Dichloroethane	<0.540		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2-Dichloroethane	<0.370		ug/L	9051000	9051000-BLK1	05/08/09 12:37
cis-1,2-Dichloroethene	<0.390		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1-Dichloroethene	<0.340		ug/L	9051000	9051000-BLK1	05/08/09 12:37
trans-1,2-Dichloroethene	<0.470		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,3-Dichloropropane	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2-Dichloropropane	<0.320		ug/L	9051000	9051000-BLK1	05/08/09 12:37
2,2-Dichloropropane	<0.420		ug/L	9051000	9051000-BLK1	05/08/09 12:37
cis-1,3-Dichloropropene	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
trans-1,3-Dichloropropene	<0.330		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1-Dichloropropene	<0.310		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Ethylbenzene	<0.240		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Hexachlorobutadiene	<0.910		ug/L	9051000	9051000-BLK1	05/08/09 12:37
2-Hexanone	<16.7		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Isopropylbenzene	<0.300		ug/L	9051000	9051000-BLK1	05/08/09 12:37
p-Isopropyltoluene	<0.220		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Methyl tert-Butyl Ether	<0.420		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Methylene Chloride	<0.830		ug/L	9051000	9051000-BLK1	05/08/09 12:37
4-Methyl-2-pentanone	<3.49		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Naphthalene	<0.540		ug/L	9051000	9051000-BLK1	05/08/09 12:37
n-Propylbenzene	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Styrene	<0.330		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1,1,2-Tetrachloroethane	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1,2,2-Tetrachloroethane	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Tetrachloroethene	<0.230		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Toluene	<0.280		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2,3-Trichlorobenzene	<0.940		ug/L	9051000	9051000-BLK1	05/08/09 12:37

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 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9051000-BLK1						
1,2,4-Trichlorobenzene	<0.500		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1,2-Trichloroethane	<0.400		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,1,1-Trichloroethane	<0.370		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Trichloroethene	<0.230		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Trichlorofluoromethane	<0.350		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2,3-Trichloropropane	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,3,5-Trimethylbenzene	<0.160		ug/L	9051000	9051000-BLK1	05/08/09 12:37
1,2,4-Trimethylbenzene	<0.170		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Vinyl chloride	<0.290		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Xylenes, total	<0.860		ug/L	9051000	9051000-BLK1	05/08/09 12:37
Surrogate: 1,2-Dichloroethane-d4	101%			9051000	9051000-BLK1	05/08/09 12:37
Surrogate: Dibromofluoromethane	100%			9051000	9051000-BLK1	05/08/09 12:37
Surrogate: Toluene-d8	100%			9051000	9051000-BLK1	05/08/09 12:37
Surrogate: 4-Bromofluorobenzene	104%			9051000	9051000-BLK1	05/08/09 12:37

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PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9051538-DUP1										
Carbon Dioxide	24.8	33.9	R2	mg/L	31	20	9051538	NSE0502-14		05/19/09 15:40
9052264-DUP1										
Total Organic Carbon	1.31	0.995	R3	mg/L	27	20	9052264	NSE0366-01		05/18/09 15:03
9052264-DUP2										
Total Organic Carbon	356	325		mg/L	9	20	9052264	NSE0693-05		05/22/09 16:07

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PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
9051538-BS1								
Carbon Dioxide	100	97.0		mg/L	97%	90 - 110	9051538	05/19/09 15:40
9052264-BS1								
Total Organic Carbon	200	202		ug/mL	101%	90 - 110	9052264	05/18/09 15:03
Methane, Ethane, and Ethene by GC								
9051203-BS1								
Ethene	2340	2440		ug/L	104%	75 - 112	9051203	05/18/09 16:19
Methane	1330	1580	A-01	ug/L	119%	85 - 117	9051203	05/18/09 16:19
Surrogate: Acetylene	4320	3570			83%	74 - 120	9051203	05/18/09 16:19
Surrogate: Acetylene	4320	3570			83%	74 - 120	9051203	05/18/09 16:19
Volatile Organic Compounds by EPA Method 8260B								
9050841-BS1								
Acetone	100	105		ug/L	105%	62 - 150	9050841	05/07/09 23:04
Benzene	20.0	21.2		ug/L	106%	80 - 137	9050841	05/07/09 23:04
Bromobenzene	20.0	21.3		ug/L	106%	74 - 131	9050841	05/07/09 23:04
Bromochloromethane	20.0	19.4		ug/L	97%	80 - 128	9050841	05/07/09 23:04
Bromodichloromethane	20.0	19.7		ug/L	99%	80 - 129	9050841	05/07/09 23:04
Bromoform	20.0	18.8		ug/L	94%	69 - 127	9050841	05/07/09 23:04
Bromomethane	20.0	18.2		ug/L	91%	62 - 148	9050841	05/07/09 23:04
2-Butanone	100	107		ug/L	107%	77 - 141	9050841	05/07/09 23:04
sec-Butylbenzene	20.0	21.3		ug/L	106%	78 - 133	9050841	05/07/09 23:04
n-Butylbenzene	20.0	21.4		ug/L	107%	72 - 136	9050841	05/07/09 23:04
tert-Butylbenzene	20.0	21.9		ug/L	109%	77 - 135	9050841	05/07/09 23:04
Carbon disulfide	20.0	20.2		ug/L	101%	80 - 126	9050841	05/07/09 23:04
Carbon Tetrachloride	20.0	18.5		ug/L	93%	76 - 143	9050841	05/07/09 23:04
Chlorobenzene	20.0	21.7		ug/L	108%	80 - 120	9050841	05/07/09 23:04
Chlorodibromomethane	20.0	20.8		ug/L	104%	76 - 123	9050841	05/07/09 23:04
Chloroethane	20.0	20.6		ug/L	103%	77 - 127	9050841	05/07/09 23:04
Chloroform	20.0	18.4		ug/L	92%	80 - 133	9050841	05/07/09 23:04
Chloromethane	20.0	14.6		ug/L	73%	33 - 125	9050841	05/07/09 23:04
2-Chlorotoluene	20.0	21.7		ug/L	108%	80 - 127	9050841	05/07/09 23:04
4-Chlorotoluene	20.0	20.8		ug/L	104%	80 - 127	9050841	05/07/09 23:04
1,2-Dibromo-3-chloropropane	20.0	23.6		ug/L	118%	60 - 136	9050841	05/07/09 23:04
1,2-Dibromoethane (EDB)	20.0	22.8		ug/L	114%	80 - 125	9050841	05/07/09 23:04
Dibromomethane	20.0	20.0		ug/L	100%	80 - 124	9050841	05/07/09 23:04
1,4-Dichlorobenzene	20.0	20.4		ug/L	102%	80 - 120	9050841	05/07/09 23:04
1,3-Dichlorobenzene	20.0	22.1		ug/L	111%	80 - 123	9050841	05/07/09 23:04
1,2-Dichlorobenzene	20.0	21.9		ug/L	109%	80 - 122	9050841	05/07/09 23:04
Dichlorodifluoromethane	20.0	18.7		ug/L	93%	36 - 120	9050841	05/07/09 23:04

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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9050841-BS1								
1,1-Dichloroethane	20.0	20.3		ug/L	101%	76 - 130	9050841	05/07/09 23:04
1,2-Dichloroethane	20.0	18.5		ug/L	92%	69 - 136	9050841	05/07/09 23:04
cis-1,2-Dichloroethene	20.0	19.2		ug/L	96%	80 - 129	9050841	05/07/09 23:04
1,1-Dichloroethene	20.0	21.0		ug/L	105%	80 - 127	9050841	05/07/09 23:04
trans-1,2-Dichloroethene	20.0	19.4		ug/L	97%	80 - 131	9050841	05/07/09 23:04
1,3-Dichloropropane	20.0	21.6		ug/L	108%	80 - 122	9050841	05/07/09 23:04
1,2-Dichloropropane	20.0	18.3		ug/L	92%	80 - 120	9050841	05/07/09 23:04
2,2-Dichloropropane	20.0	16.0		ug/L	80%	62 - 142	9050841	05/07/09 23:04
cis-1,3-Dichloropropene	20.0	20.5		ug/L	103%	76 - 135	9050841	05/07/09 23:04
trans-1,3-Dichloropropene	20.0	19.8		ug/L	99%	70 - 137	9050841	05/07/09 23:04
1,1-Dichloropropene	20.0	20.3		ug/L	102%	80 - 127	9050841	05/07/09 23:04
Ethylbenzene	20.0	21.4		ug/L	107%	80 - 128	9050841	05/07/09 23:04
Hexachlorobutadiene	20.0	20.2		ug/L	101%	68 - 148	9050841	05/07/09 23:04
2-Hexanone	100	114		ug/L	114%	69 - 148	9050841	05/07/09 23:04
Isopropylbenzene	20.0	21.6		ug/L	108%	80 - 121	9050841	05/07/09 23:04
p-Isopropyltoluene	20.0	20.1		ug/L	101%	79 - 127	9050841	05/07/09 23:04
Methyl tert-Butyl Ether	20.0	20.1		ug/L	100%	70 - 129	9050841	05/07/09 23:04
Methylene Chloride	20.0	18.5		ug/L	92%	76 - 135	9050841	05/07/09 23:04
4-Methyl-2-pentanone	100	123		ug/L	123%	67 - 143	9050841	05/07/09 23:04
Naphthalene	20.0	24.1		ug/L	120%	62 - 141	9050841	05/07/09 23:04
n-Propylbenzene	20.0	22.5		ug/L	112%	80 - 132	9050841	05/07/09 23:04
Styrene	20.0	20.0		ug/L	100%	80 - 139	9050841	05/07/09 23:04
1,1,1,2-Tetrachloroethane	20.0	20.3		ug/L	101%	80 - 135	9050841	05/07/09 23:04
1,1,2,2-Tetrachloroethane	20.0	24.0		ug/L	120%	65 - 145	9050841	05/07/09 23:04
Tetrachloroethene	20.0	17.9		ug/L	90%	80 - 125	9050841	05/07/09 23:04
Toluene	20.0	20.9		ug/L	104%	80 - 125	9050841	05/07/09 23:04
1,2,3-Trichlorobenzene	20.0	20.5		ug/L	102%	57 - 144	9050841	05/07/09 23:04
1,2,4-Trichlorobenzene	20.0	21.6		ug/L	108%	60 - 140	9050841	05/07/09 23:04
1,1,2-Trichloroethane	20.0	21.2		ug/L	106%	80 - 122	9050841	05/07/09 23:04
1,1,1-Trichloroethane	20.0	18.8		ug/L	94%	80 - 131	9050841	05/07/09 23:04
Trichloroethene	20.0	18.5		ug/L	93%	80 - 131	9050841	05/07/09 23:04
Trichlorofluoromethane	20.0	17.6		ug/L	88%	68 - 125	9050841	05/07/09 23:04
1,2,3-Trichloropropane	20.0	21.2		ug/L	106%	60 - 127	9050841	05/07/09 23:04
1,3,5-Trimethylbenzene	20.0	21.3		ug/L	106%	80 - 129	9050841	05/07/09 23:04
1,2,4-Trimethylbenzene	20.0	21.6		ug/L	108%	80 - 128	9050841	05/07/09 23:04
Vinyl chloride	20.0	20.1		ug/L	100%	69 - 120	9050841	05/07/09 23:04
Xylenes, total	60.0	62.4		ug/L	104%	80 - 129	9050841	05/07/09 23:04
Surrogate: 1,2-Dichloroethane-d4	30.0	27.3			91%	60 - 140	9050841	05/07/09 23:04
Surrogate: Dibromofluoromethane	30.0	27.5			92%	75 - 124	9050841	05/07/09 23:04
Surrogate: Toluene-d8	30.0	30.7			102%	78 - 121	9050841	05/07/09 23:04
Surrogate: 4-Bromofluorobenzene	30.0	30.5			102%	79 - 124	9050841	05/07/09 23:04

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PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9050998-BS1								
Acetone	100	116		ug/L	116%	62 - 150	9050998	05/07/09 10:46
Benzene	20.0	22.5		ug/L	113%	80 - 137	9050998	05/07/09 10:46
Bromobenzene	20.0	21.4		ug/L	107%	74 - 131	9050998	05/07/09 10:46
Bromochloromethane	20.0	21.2		ug/L	106%	80 - 128	9050998	05/07/09 10:46
Bromodichloromethane	20.0	20.8		ug/L	104%	80 - 129	9050998	05/07/09 10:46
Bromoform	20.0	19.9		ug/L	100%	69 - 127	9050998	05/07/09 10:46
Bromomethane	20.0	18.8		ug/L	94%	62 - 148	9050998	05/07/09 10:46
2-Butanone	100	116		ug/L	116%	77 - 141	9050998	05/07/09 10:46
sec-Butylbenzene	20.0	21.4		ug/L	107%	78 - 133	9050998	05/07/09 10:46
tert-Butylbenzene	20.0	21.9		ug/L	109%	77 - 135	9050998	05/07/09 10:46
Carbon disulfide	20.0	22.8		ug/L	114%	80 - 126	9050998	05/07/09 10:46
Carbon Tetrachloride	20.0	19.4		ug/L	97%	76 - 143	9050998	05/07/09 10:46
Chlorobenzene	20.0	21.6		ug/L	108%	80 - 120	9050998	05/07/09 10:46
Chlorodibromomethane	20.0	21.3		ug/L	106%	76 - 123	9050998	05/07/09 10:46
Chloroethane	20.0	19.3		ug/L	97%	77 - 127	9050998	05/07/09 10:46
Chloroform	20.0	19.5		ug/L	98%	80 - 133	9050998	05/07/09 10:46
Chloromethane	20.0	12.9		ug/L	64%	33 - 125	9050998	05/07/09 10:46
2-Chlorotoluene	20.0	21.2		ug/L	106%	80 - 127	9050998	05/07/09 10:46
4-Chlorotoluene	20.0	21.2		ug/L	106%	80 - 127	9050998	05/07/09 10:46
1,2-Dibromo-3-chloropropane	20.0	24.3		ug/L	121%	60 - 136	9050998	05/07/09 10:46
1,2-Dibromoethane (EDB)	20.0	22.5		ug/L	112%	80 - 125	9050998	05/07/09 10:46
Dibromomethane	20.0	21.1		ug/L	106%	80 - 124	9050998	05/07/09 10:46
1,4-Dichlorobenzene	20.0	20.3		ug/L	101%	80 - 120	9050998	05/07/09 10:46
1,3-Dichlorobenzene	20.0	21.8		ug/L	109%	80 - 123	9050998	05/07/09 10:46
1,2-Dichlorobenzene	20.0	21.9		ug/L	109%	80 - 122	9050998	05/07/09 10:46
Dichlorodifluoromethane	20.0	18.6		ug/L	93%	36 - 120	9050998	05/07/09 10:46
1,1-Dichloroethane	20.0	21.6		ug/L	108%	76 - 130	9050998	05/07/09 10:46
1,2-Dichloroethane	20.0	20.1		ug/L	101%	69 - 136	9050998	05/07/09 10:46
cis-1,2-Dichloroethene	20.0	19.2		ug/L	96%	80 - 129	9050998	05/07/09 10:46
1,1-Dichloroethene	20.0	21.4		ug/L	107%	80 - 127	9050998	05/07/09 10:46
trans-1,2-Dichloroethene	20.0	20.8		ug/L	104%	80 - 131	9050998	05/07/09 10:46
1,3-Dichloropropane	20.0	21.9		ug/L	110%	80 - 122	9050998	05/07/09 10:46
1,2-Dichloropropane	20.0	19.5		ug/L	98%	80 - 120	9050998	05/07/09 10:46
2,2-Dichloropropane	20.0	16.7		ug/L	84%	62 - 142	9050998	05/07/09 10:46
cis-1,3-Dichloropropene	20.0	21.1		ug/L	105%	76 - 135	9050998	05/07/09 10:46
trans-1,3-Dichloropropene	20.0	20.6		ug/L	103%	70 - 137	9050998	05/07/09 10:46
1,1-Dichloropropene	20.0	19.9		ug/L	100%	80 - 127	9050998	05/07/09 10:46
Ethylbenzene	20.0	21.3		ug/L	107%	80 - 128	9050998	05/07/09 10:46
Hexachlorobutadiene	20.0	19.2		ug/L	96%	68 - 148	9050998	05/07/09 10:46
2-Hexanone	100	118		ug/L	118%	69 - 148	9050998	05/07/09 10:46
Isopropylbenzene	20.0	20.8		ug/L	104%	80 - 121	9050998	05/07/09 10:46

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9050998-BS1								
p-Isopropyltoluene	20.0	20.0		ug/L	100%	79 - 127	9050998	05/07/09 10:46
Methyl tert-Butyl Ether	20.0	21.5		ug/L	108%	70 - 129	9050998	05/07/09 10:46
Methylene Chloride	20.0	21.5		ug/L	108%	76 - 135	9050998	05/07/09 10:46
4-Methyl-2-pentanone	100	126		ug/L	126%	67 - 143	9050998	05/07/09 10:46
Naphthalene	20.0	24.3		ug/L	122%	62 - 141	9050998	05/07/09 10:46
n-Propylbenzene	20.0	22.1		ug/L	111%	80 - 132	9050998	05/07/09 10:46
Styrene	20.0	20.3		ug/L	101%	80 - 139	9050998	05/07/09 10:46
1,1,1,2-Tetrachloroethane	20.0	20.6		ug/L	103%	80 - 135	9050998	05/07/09 10:46
1,1,2,2-Tetrachloroethane	20.0	24.3		ug/L	122%	65 - 145	9050998	05/07/09 10:46
Tetrachloroethene	20.0	18.1		ug/L	91%	80 - 125	9050998	05/07/09 10:46
Toluene	20.0	19.9		ug/L	99%	80 - 125	9050998	05/07/09 10:46
1,2,3-Trichlorobenzene	20.0	21.1		ug/L	106%	57 - 144	9050998	05/07/09 10:46
1,2,4-Trichlorobenzene	20.0	21.1		ug/L	105%	60 - 140	9050998	05/07/09 10:46
1,1,2-Trichloroethane	20.0	22.3		ug/L	111%	80 - 122	9050998	05/07/09 10:46
1,1,1-Trichloroethane	20.0	19.7		ug/L	98%	80 - 131	9050998	05/07/09 10:46
Trichloroethene	20.0	19.6		ug/L	98%	80 - 131	9050998	05/07/09 10:46
Trichlorofluoromethane	20.0	16.3		ug/L	82%	68 - 125	9050998	05/07/09 10:46
1,2,3-Trichloropropane	20.0	20.9		ug/L	105%	60 - 127	9050998	05/07/09 10:46
1,3,5-Trimethylbenzene	20.0	21.4		ug/L	107%	80 - 129	9050998	05/07/09 10:46
1,2,4-Trimethylbenzene	20.0	21.7		ug/L	109%	80 - 128	9050998	05/07/09 10:46
Vinyl chloride	20.0	17.9		ug/L	90%	69 - 120	9050998	05/07/09 10:46
Xylenes, total	60.0	61.8		ug/L	103%	80 - 129	9050998	05/07/09 10:46
<i>Surrogate: 1,2-Dichloroethane-d4</i>	30.0	27.5			92%	60 - 140	9050998	05/07/09 10:46
<i>Surrogate: Dibromofluoromethane</i>	30.0	28.0			93%	75 - 124	9050998	05/07/09 10:46
<i>Surrogate: Toluene-d8</i>	30.0	28.8			96%	78 - 121	9050998	05/07/09 10:46
<i>Surrogate: 4-Bromofluorobenzene</i>	30.0	29.7			99%	79 - 124	9050998	05/07/09 10:46
9051000-BS1								
Acetone	100	116	MNR1	ug/L	116%	62 - 150	9051000	05/08/09 10:55
Benzene	20.0	21.9	MNR1	ug/L	109%	80 - 137	9051000	05/08/09 10:55
Bromobenzene	20.0	22.6	MNR1	ug/L	113%	74 - 131	9051000	05/08/09 10:55
Bromochloromethane	20.0	19.8	MNR1	ug/L	99%	80 - 128	9051000	05/08/09 10:55
Bromodichloromethane	20.0	19.9	MNR1	ug/L	99%	80 - 129	9051000	05/08/09 10:55
Bromoform	20.0	19.5	MNR1	ug/L	97%	69 - 127	9051000	05/08/09 10:55
Bromomethane	20.0	19.0	MNR1	ug/L	95%	62 - 148	9051000	05/08/09 10:55
2-Butanone	100	130	MNR1	ug/L	130%	77 - 141	9051000	05/08/09 10:55
sec-Butylbenzene	20.0	21.2	MNR1	ug/L	106%	78 - 133	9051000	05/08/09 10:55
n-Butylbenzene	20.0	20.8	MNR1	ug/L	104%	72 - 136	9051000	05/08/09 10:55
tert-Butylbenzene	20.0	22.0	MNR1	ug/L	110%	77 - 135	9051000	05/08/09 10:55
Carbon disulfide	20.0	21.5	MNR1	ug/L	108%	80 - 126	9051000	05/08/09 10:55
Carbon Tetrachloride	20.0	19.6	MNR1	ug/L	98%	76 - 143	9051000	05/08/09 10:55

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PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9051000-BS1								
Chlorobenzene	20.0	21.6	MNR1	ug/L	108%	80 - 120	9051000	05/08/09 10:55
Chlorodibromomethane	20.0	20.8	MNR1	ug/L	104%	76 - 123	9051000	05/08/09 10:55
Chloroethane	20.0	20.0	MNR1	ug/L	100%	77 - 127	9051000	05/08/09 10:55
Chloroform	20.0	18.9	MNR1	ug/L	94%	80 - 133	9051000	05/08/09 10:55
Chloromethane	20.0	14.6	MNR1	ug/L	73%	33 - 125	9051000	05/08/09 10:55
2-Chlorotoluene	20.0	22.5	MNR1	ug/L	112%	80 - 127	9051000	05/08/09 10:55
4-Chlorotoluene	20.0	21.9	MNR1	ug/L	110%	80 - 127	9051000	05/08/09 10:55
1,2-Dibromo-3-chloropropane	20.0	26.0	MNR1	ug/L	130%	60 - 136	9051000	05/08/09 10:55
1,2-Dibromoethane (EDB)	20.0	22.1	MNR1	ug/L	111%	80 - 125	9051000	05/08/09 10:55
Dibromomethane	20.0	21.6	MNR1	ug/L	108%	80 - 124	9051000	05/08/09 10:55
1,4-Dichlorobenzene	20.0	21.7	MNR1	ug/L	109%	80 - 120	9051000	05/08/09 10:55
1,3-Dichlorobenzene	20.0	22.7	MNR1	ug/L	114%	80 - 123	9051000	05/08/09 10:55
1,2-Dichlorobenzene	20.0	22.0	MNR1	ug/L	110%	80 - 122	9051000	05/08/09 10:55
Dichlorodifluoromethane	20.0	19.3	MNR1	ug/L	97%	36 - 120	9051000	05/08/09 10:55
1,1-Dichloroethane	20.0	20.6	MNR1	ug/L	103%	76 - 130	9051000	05/08/09 10:55
1,2-Dichloroethane	20.0	19.0	MNR1	ug/L	95%	69 - 136	9051000	05/08/09 10:55
cis-1,2-Dichloroethene	20.0	19.9	MNR1	ug/L	100%	80 - 129	9051000	05/08/09 10:55
1,1-Dichloroethene	20.0	21.6	MNR1	ug/L	108%	80 - 127	9051000	05/08/09 10:55
trans-1,2-Dichloroethene	20.0	19.8	MNR1	ug/L	99%	80 - 131	9051000	05/08/09 10:55
1,3-Dichloropropane	20.0	21.5	MNR1	ug/L	108%	80 - 122	9051000	05/08/09 10:55
1,2-Dichloropropane	20.0	19.4	MNR1	ug/L	97%	80 - 120	9051000	05/08/09 10:55
2,2-Dichloropropane	20.0	14.4	MNR1	ug/L	72%	62 - 142	9051000	05/08/09 10:55
cis-1,3-Dichloropropene	20.0	20.6	MNR1	ug/L	103%	76 - 135	9051000	05/08/09 10:55
trans-1,3-Dichloropropene	20.0	19.1	MNR1	ug/L	96%	70 - 137	9051000	05/08/09 10:55
1,1-Dichloropropene	20.0	20.8	MNR1	ug/L	104%	80 - 127	9051000	05/08/09 10:55
Ethylbenzene	20.0	21.7	MNR1	ug/L	108%	80 - 128	9051000	05/08/09 10:55
Hexachlorobutadiene	20.0	19.3	MNR1	ug/L	97%	68 - 148	9051000	05/08/09 10:55
2-Hexanone	100	127	MNR1	ug/L	127%	69 - 148	9051000	05/08/09 10:55
Isopropylbenzene	20.0	21.2	MNR1	ug/L	106%	80 - 121	9051000	05/08/09 10:55
p-Isopropyltoluene	20.0	20.3	MNR1	ug/L	101%	79 - 127	9051000	05/08/09 10:55
Methyl tert-Butyl Ether	20.0	21.5	MNR1	ug/L	108%	70 - 129	9051000	05/08/09 10:55
Methylene Chloride	20.0	20.2	MNR1	ug/L	101%	76 - 135	9051000	05/08/09 10:55
4-Methyl-2-pentanone	100	131	MNR1	ug/L	131%	67 - 143	9051000	05/08/09 10:55
Naphthalene	20.0	25.6	MNR1	ug/L	128%	62 - 141	9051000	05/08/09 10:55
n-Propylbenzene	20.0	22.4	MNR1	ug/L	112%	80 - 132	9051000	05/08/09 10:55
Styrene	20.0	20.7	MNR1	ug/L	103%	80 - 139	9051000	05/08/09 10:55
1,1,1,2-Tetrachloroethane	20.0	20.9	MNR1	ug/L	104%	80 - 135	9051000	05/08/09 10:55
1,1,2,2-Tetrachloroethane	20.0	25.9	MNR1	ug/L	129%	65 - 145	9051000	05/08/09 10:55
Tetrachloroethene	20.0	18.8	MNR1	ug/L	94%	80 - 125	9051000	05/08/09 10:55
Toluene	20.0	20.4	MNR1	ug/L	102%	80 - 125	9051000	05/08/09 10:55
1,2,3-Trichlorobenzene	20.0	22.0	MNR1	ug/L	110%	57 - 144	9051000	05/08/09 10:55

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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9051000-BS1								
1,2,4-Trichlorobenzene	20.0	21.7	MNR1	ug/L	108%	60 - 140	9051000	05/08/09 10:55
1,1,2-Trichloroethane	20.0	22.3	MNR1	ug/L	111%	80 - 122	9051000	05/08/09 10:55
1,1,1-Trichloroethane	20.0	19.5	MNR1	ug/L	98%	80 - 131	9051000	05/08/09 10:55
Trichloroethene	20.0	19.0	MNR1	ug/L	95%	80 - 131	9051000	05/08/09 10:55
Trichlorofluoromethane	20.0	17.3	MNR1	ug/L	87%	68 - 125	9051000	05/08/09 10:55
1,2,3-Trichloropropane	20.0	21.7	MNR1	ug/L	108%	60 - 127	9051000	05/08/09 10:55
1,3,5-Trimethylbenzene	20.0	22.1	MNR1	ug/L	111%	80 - 129	9051000	05/08/09 10:55
1,2,4-Trimethylbenzene	20.0	22.0	MNR1	ug/L	110%	80 - 128	9051000	05/08/09 10:55
Vinyl chloride	20.0	20.0	MNR1	ug/L	100%	69 - 120	9051000	05/08/09 10:55
Xylenes, total	60.0	62.8	MNR1	ug/L	105%	80 - 129	9051000	05/08/09 10:55
<i>Surrogate: 1,2-Dichloroethane-d4</i>	30.0	31.5			105%	60 - 140	9051000	05/08/09 10:55
<i>Surrogate: Dibromofluoromethane</i>	30.0	28.1			94%	75 - 124	9051000	05/08/09 10:55
<i>Surrogate: Toluene-d8</i>	30.0	29.7			99%	78 - 121	9051000	05/08/09 10:55
<i>Surrogate: 4-Bromofluorobenzene</i>	30.0	30.0			100%	79 - 124	9051000	05/08/09 10:55

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PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
9052264-BSD1												
Total Organic Carbon		198		ug/mL	200	99%	90 - 110	2	20	9052264		05/18/09 15:03
Volatile Organic Compounds by EPA Method 8260B												
9050841-BSD1												
Acetone		110		ug/L	100	110%	62 - 150	5	29	9050841		05/07/09 23:29
Benzene		21.8		ug/L	20.0	109%	80 - 137	3	23	9050841		05/07/09 23:29
Bromobenzene		21.9		ug/L	20.0	109%	74 - 131	3	18	9050841		05/07/09 23:29
Bromochloromethane		20.7		ug/L	20.0	104%	80 - 128	6	18	9050841		05/07/09 23:29
Bromodichloromethane		20.5		ug/L	20.0	102%	80 - 129	4	18	9050841		05/07/09 23:29
Bromoform		18.5		ug/L	20.0	93%	69 - 127	1	24	9050841		05/07/09 23:29
Bromomethane		18.7		ug/L	20.0	94%	62 - 148	3	45	9050841		05/07/09 23:29
2-Butanone		125		ug/L	100	125%	77 - 141	15	36	9050841		05/07/09 23:29
sec-Butylbenzene		21.4		ug/L	20.0	107%	78 - 133	0.4	17	9050841		05/07/09 23:29
n-Butylbenzene		21.2		ug/L	20.0	106%	72 - 136	0.8	18	9050841		05/07/09 23:29
tert-Butylbenzene		22.2		ug/L	20.0	111%	77 - 135	2	17	9050841		05/07/09 23:29
Carbon disulfide		21.9		ug/L	20.0	110%	80 - 126	8	16	9050841		05/07/09 23:29
Carbon Tetrachloride		19.5		ug/L	20.0	97%	76 - 143	5	29	9050841		05/07/09 23:29
Chlorobenzene		20.9		ug/L	20.0	105%	80 - 120	3	27	9050841		05/07/09 23:29
Chlorodibromomethane		20.7		ug/L	20.0	104%	76 - 123	0.5	21	9050841		05/07/09 23:29
Chloroethane		21.0		ug/L	20.0	105%	77 - 127	2	32	9050841		05/07/09 23:29
Chloroform		19.2		ug/L	20.0	96%	80 - 133	4	28	9050841		05/07/09 23:29
Chloromethane		14.9		ug/L	20.0	75%	33 - 125	2	21	9050841		05/07/09 23:29
2-Chlorotoluene		22.4		ug/L	20.0	112%	80 - 127	3	16	9050841		05/07/09 23:29
4-Chlorotoluene		21.2		ug/L	20.0	106%	80 - 127	2	17	9050841		05/07/09 23:29
1,2-Dibromo-3-chloropropane		22.4		ug/L	20.0	112%	60 - 136	5	29	9050841		05/07/09 23:29
1,2-Dibromoethane (EDB)		21.3		ug/L	20.0	106%	80 - 125	7	21	9050841		05/07/09 23:29
Dibromomethane		20.2		ug/L	20.0	101%	80 - 124	0.6	20	9050841		05/07/09 23:29
1,4-Dichlorobenzene		21.1		ug/L	20.0	105%	80 - 120	3	19	9050841		05/07/09 23:29
1,3-Dichlorobenzene		22.0		ug/L	20.0	110%	80 - 123	0.5	18	9050841		05/07/09 23:29
1,2-Dichlorobenzene		22.4		ug/L	20.0	112%	80 - 122	2	23	9050841		05/07/09 23:29
Dichlorodifluoromethane		20.1		ug/L	20.0	100%	36 - 120	7	14	9050841		05/07/09 23:29
1,1-Dichloroethane		21.5		ug/L	20.0	108%	76 - 130	6	15	9050841		05/07/09 23:29
1,2-Dichloroethane		20.0		ug/L	20.0	100%	69 - 136	8	26	9050841		05/07/09 23:29
cis-1,2-Dichloroethene		19.5		ug/L	20.0	98%	80 - 129	2	14	9050841		05/07/09 23:29
1,1-Dichloroethene		21.9		ug/L	20.0	109%	80 - 127	4	26	9050841		05/07/09 23:29
trans-1,2-Dichloroethene		20.6		ug/L	20.0	103%	80 - 131	6	14	9050841		05/07/09 23:29
1,3-Dichloropropane		21.5		ug/L	20.0	108%	80 - 122	0.5	21	9050841		05/07/09 23:29
1,2-Dichloropropane		19.1		ug/L	20.0	96%	80 - 120	4	16	9050841		05/07/09 23:29
2,2-Dichloropropane		16.9		ug/L	20.0	85%	62 - 142	6	14	9050841		05/07/09 23:29
cis-1,3-Dichloropropene		19.7		ug/L	20.0	99%	76 - 135	4	19	9050841		05/07/09 23:29
trans-1,3-Dichloropropene		20.7		ug/L	20.0	104%	70 - 137	5	20	9050841		05/07/09 23:29

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PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050841-BSD1												
1,1-Dichloropropene		20.2		ug/L	20.0	101%	80 - 127	0.4	14	9050841		05/07/09 23:29
Ethylbenzene		21.3		ug/L	20.0	106%	80 - 128	0.7	17	9050841		05/07/09 23:29
Hexachlorobutadiene		20.8		ug/L	20.0	104%	68 - 148	3	34	9050841		05/07/09 23:29
2-Hexanone		111		ug/L	100	111%	69 - 148	2	34	9050841		05/07/09 23:29
Isopropylbenzene		21.2		ug/L	20.0	106%	80 - 121	2	18	9050841		05/07/09 23:29
p-Isopropyltoluene		20.4		ug/L	20.0	102%	79 - 127	1	17	9050841		05/07/09 23:29
Methyl tert-Butyl Ether		21.5		ug/L	20.0	107%	70 - 129	7	32	9050841		05/07/09 23:29
Methylene Chloride		19.9		ug/L	20.0	100%	76 - 135	7	18	9050841		05/07/09 23:29
4-Methyl-2-pentanone		120		ug/L	100	120%	67 - 143	2	31	9050841		05/07/09 23:29
Naphthalene		23.1		ug/L	20.0	115%	62 - 141	4	39	9050841		05/07/09 23:29
n-Propylbenzene		22.3		ug/L	20.0	112%	80 - 132	0.8	17	9050841		05/07/09 23:29
Styrene		20.0		ug/L	20.0	100%	80 - 139	0.2	16	9050841		05/07/09 23:29
1,1,1,2-Tetrachloroethane		20.0		ug/L	20.0	100%	80 - 135	2	17	9050841		05/07/09 23:29
1,1,2,2-Tetrachloroethane		25.0		ug/L	20.0	125%	65 - 145	4	28	9050841		05/07/09 23:29
Tetrachloroethene		17.6		ug/L	20.0	88%	80 - 125	2	27	9050841		05/07/09 23:29
Toluene		20.4		ug/L	20.0	102%	80 - 125	2	19	9050841		05/07/09 23:29
1,2,3-Trichlorobenzene		19.8		ug/L	20.0	99%	57 - 144	4	31	9050841		05/07/09 23:29
1,2,4-Trichlorobenzene		21.2		ug/L	20.0	106%	60 - 140	2	26	9050841		05/07/09 23:29
1,1,2-Trichloroethane		22.4		ug/L	20.0	112%	80 - 122	6	21	9050841		05/07/09 23:29
1,1,1-Trichloroethane		19.6		ug/L	20.0	98%	80 - 131	4	16	9050841		05/07/09 23:29
Trichloroethene		19.0		ug/L	20.0	95%	80 - 131	3	28	9050841		05/07/09 23:29
Trichlorofluoromethane		16.6		ug/L	20.0	83%	68 - 125	6	20	9050841		05/07/09 23:29
1,2,3-Trichloropropane		21.8		ug/L	20.0	109%	60 - 127	3	26	9050841		05/07/09 23:29
1,3,5-Trimethylbenzene		21.6		ug/L	20.0	108%	80 - 129	2	16	9050841		05/07/09 23:29
1,2,4-Trimethylbenzene		22.0		ug/L	20.0	110%	80 - 128	2	22	9050841		05/07/09 23:29
Vinyl chloride		21.0		ug/L	20.0	105%	69 - 120	5	26	9050841		05/07/09 23:29
Xylenes, total		62.2		ug/L	60.0	104%	80 - 129	0.3	18	9050841		05/07/09 23:29
Surrogate: 1,2-Dichloroethane-d4		31.1		ug/L	30.0	104%	60 - 140			9050841		05/07/09 23:29
Surrogate: Dibromofluoromethane		29.0		ug/L	30.0	97%	75 - 124			9050841		05/07/09 23:29
Surrogate: Toluene-d8		29.0		ug/L	30.0	96%	78 - 121			9050841		05/07/09 23:29
Surrogate: 4-Bromofluorobenzene		29.8		ug/L	30.0	99%	79 - 124			9050841		05/07/09 23:29
9050998-BSD1												
Acetone		125		ug/L	100	125%	62 - 150	8	29	9050998		05/07/09 11:12
Benzene		22.7		ug/L	20.0	114%	80 - 137	0.8	23	9050998		05/07/09 11:12
Bromobenzene		21.5		ug/L	20.0	107%	74 - 131	0.6	18	9050998		05/07/09 11:12
Bromochloromethane		21.8		ug/L	20.0	109%	80 - 128	3	18	9050998		05/07/09 11:12
Bromodichloromethane		21.5		ug/L	20.0	107%	80 - 129	3	18	9050998		05/07/09 11:12
Bromoform		19.2		ug/L	20.0	96%	69 - 127	3	24	9050998		05/07/09 11:12
Bromomethane		17.2		ug/L	20.0	86%	62 - 148	9	45	9050998		05/07/09 11:12
2-Butanone		125		ug/L	100	125%	77 - 141	7	36	9050998		05/07/09 11:12

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050998-BSD1												
sec-Butylbenzene		21.0		ug/L	20.0	105%	78 - 133	2	17	9050998		05/07/09 11:12
tert-Butylbenzene		22.6		ug/L	20.0	113%	77 - 135	3	17	9050998		05/07/09 11:12
Carbon disulfide		23.8		ug/L	20.0	119%	80 - 126	5	16	9050998		05/07/09 11:12
Carbon Tetrachloride		20.2		ug/L	20.0	101%	76 - 143	4	29	9050998		05/07/09 11:12
Chlorobenzene		21.5		ug/L	20.0	107%	80 - 120	0.9	27	9050998		05/07/09 11:12
Chlorodibromomethane		21.4		ug/L	20.0	107%	76 - 123	0.4	21	9050998		05/07/09 11:12
Chloroethane		18.1		ug/L	20.0	90%	77 - 127	7	32	9050998		05/07/09 11:12
Chloroform		19.6		ug/L	20.0	98%	80 - 133	0.6	28	9050998		05/07/09 11:12
Chloromethane		12.8		ug/L	20.0	64%	33 - 125	0.9	21	9050998		05/07/09 11:12
2-Chlorotoluene		22.0		ug/L	20.0	110%	80 - 127	4	16	9050998		05/07/09 11:12
4-Chlorotoluene		21.5		ug/L	20.0	108%	80 - 127	2	17	9050998		05/07/09 11:12
1,2-Dibromo-3-chloropropane		24.6		ug/L	20.0	123%	60 - 136	2	29	9050998		05/07/09 11:12
1,2-Dibromoethane (EDB)		22.7		ug/L	20.0	114%	80 - 125	0.9	21	9050998		05/07/09 11:12
Dibromomethane		21.4		ug/L	20.0	107%	80 - 124	1	20	9050998		05/07/09 11:12
1,4-Dichlorobenzene		20.7		ug/L	20.0	104%	80 - 120	2	19	9050998		05/07/09 11:12
1,3-Dichlorobenzene		22.1		ug/L	20.0	111%	80 - 123	1	18	9050998		05/07/09 11:12
1,2-Dichlorobenzene		21.9		ug/L	20.0	110%	80 - 122	0.09	23	9050998		05/07/09 11:12
Dichlorodifluoromethane		18.3		ug/L	20.0	92%	36 - 120	2	14	9050998		05/07/09 11:12
1,1-Dichloroethane		21.6		ug/L	20.0	108%	76 - 130	0.3	15	9050998		05/07/09 11:12
1,2-Dichloroethane		20.9		ug/L	20.0	104%	69 - 136	4	26	9050998		05/07/09 11:12
cis-1,2-Dichloroethene		20.8		ug/L	20.0	104%	80 - 129	8	14	9050998		05/07/09 11:12
1,1-Dichloroethene		21.1		ug/L	20.0	106%	80 - 127	1	26	9050998		05/07/09 11:12
trans-1,2-Dichloroethene		22.2		ug/L	20.0	111%	80 - 131	7	14	9050998		05/07/09 11:12
1,3-Dichloropropane		21.2		ug/L	20.0	106%	80 - 122	3	21	9050998		05/07/09 11:12
1,2-Dichloropropane		19.9		ug/L	20.0	99%	80 - 120	2	16	9050998		05/07/09 11:12
2,2-Dichloropropane		17.4		ug/L	20.0	87%	62 - 142	4	14	9050998		05/07/09 11:12
cis-1,3-Dichloropropene		20.5		ug/L	20.0	103%	76 - 135	3	19	9050998		05/07/09 11:12
trans-1,3-Dichloropropene		20.2		ug/L	20.0	101%	70 - 137	2	20	9050998		05/07/09 11:12
1,1-Dichloropropene		21.3		ug/L	20.0	106%	80 - 127	7	14	9050998		05/07/09 11:12
Ethylbenzene		21.2		ug/L	20.0	106%	80 - 128	0.7	17	9050998		05/07/09 11:12
Hexachlorobutadiene		20.3		ug/L	20.0	102%	68 - 148	6	34	9050998		05/07/09 11:12
2-Hexanone		118		ug/L	100	118%	69 - 148	0.4	34	9050998		05/07/09 11:12
Isopropylbenzene		21.4		ug/L	20.0	107%	80 - 121	3	18	9050998		05/07/09 11:12
p-Isopropyltoluene		20.6		ug/L	20.0	103%	79 - 127	3	17	9050998		05/07/09 11:12
Methyl tert-Butyl Ether		22.3		ug/L	20.0	112%	70 - 129	4	32	9050998		05/07/09 11:12
Methylene Chloride		20.2		ug/L	20.0	101%	76 - 135	7	18	9050998		05/07/09 11:12
4-Methyl-2-pentanone		130		ug/L	100	130%	67 - 143	3	31	9050998		05/07/09 11:12
Naphthalene		24.6		ug/L	20.0	123%	62 - 141	0.9	39	9050998		05/07/09 11:12
n-Propylbenzene		22.1		ug/L	20.0	111%	80 - 132	0.05	17	9050998		05/07/09 11:12
Styrene		20.0		ug/L	20.0	100%	80 - 139	1	16	9050998		05/07/09 11:12
1,1,1,2-Tetrachloroethane		19.7		ug/L	20.0	99%	80 - 135	5	17	9050998		05/07/09 11:12

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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050998-BSD1												
1,1,2,2-Tetrachloroethane		23.6		ug/L	20.0	118%	65 - 145	3	28	9050998		05/07/09 11:12
Tetrachloroethene		18.0		ug/L	20.0	90%	80 - 125	0.5	27	9050998		05/07/09 11:12
Toluene		20.8		ug/L	20.0	104%	80 - 125	5	19	9050998		05/07/09 11:12
1,2,3-Trichlorobenzene		22.9		ug/L	20.0	115%	57 - 144	8	31	9050998		05/07/09 11:12
1,2,4-Trichlorobenzene		22.2		ug/L	20.0	111%	60 - 140	5	26	9050998		05/07/09 11:12
1,1,2-Trichloroethane		22.5		ug/L	20.0	113%	80 - 122	1	21	9050998		05/07/09 11:12
1,1,1-Trichloroethane		20.3		ug/L	20.0	101%	80 - 131	3	16	9050998		05/07/09 11:12
Trichloroethene		20.4		ug/L	20.0	102%	80 - 131	4	28	9050998		05/07/09 11:12
Trichlorofluoromethane		16.5		ug/L	20.0	82%	68 - 125	0.7	20	9050998		05/07/09 11:12
1,2,3-Trichloropropane		21.4		ug/L	20.0	107%	60 - 127	2	26	9050998		05/07/09 11:12
1,3,5-Trimethylbenzene		21.7		ug/L	20.0	108%	80 - 129	1	16	9050998		05/07/09 11:12
1,2,4-Trimethylbenzene		22.1		ug/L	20.0	111%	80 - 128	2	22	9050998		05/07/09 11:12
Vinyl chloride		18.8		ug/L	20.0	94%	69 - 120	5	26	9050998		05/07/09 11:12
Xylenes, total		63.1		ug/L	60.0	105%	80 - 129	2	18	9050998		05/07/09 11:12
Surrogate: 1,2-Dichloroethane-d4		28.0		ug/L	30.0	93%	60 - 140			9050998		05/07/09 11:12
Surrogate: Dibromofluoromethane		28.4		ug/L	30.0	95%	75 - 124			9050998		05/07/09 11:12
Surrogate: Toluene-d8		29.6		ug/L	30.0	99%	78 - 121			9050998		05/07/09 11:12
Surrogate: 4-Bromofluorobenzene		28.5		ug/L	30.0	95%	79 - 124			9050998		05/07/09 11:12
9051000-BSD1												
Acetone		116		ug/L	100	116%	62 - 150	0.09	29	9051000		05/08/09 11:21
Benzene		21.6		ug/L	20.0	108%	80 - 137	1	23	9051000		05/08/09 11:21
Bromobenzene		21.0		ug/L	20.0	105%	74 - 131	7	18	9051000		05/08/09 11:21
Bromochloromethane		19.7		ug/L	20.0	99%	80 - 128	0.5	18	9051000		05/08/09 11:21
Bromodichloromethane		19.9		ug/L	20.0	99%	80 - 129	0	18	9051000		05/08/09 11:21
Bromoform		19.6		ug/L	20.0	98%	69 - 127	0.5	24	9051000		05/08/09 11:21
Bromomethane		17.8		ug/L	20.0	89%	62 - 148	6	45	9051000		05/08/09 11:21
2-Butanone		137		ug/L	100	137%	77 - 141	5	36	9051000		05/08/09 11:21
sec-Butylbenzene		21.0		ug/L	20.0	105%	78 - 133	0.9	17	9051000		05/08/09 11:21
n-Butylbenzene		20.3		ug/L	20.0	102%	72 - 136	2	18	9051000		05/08/09 11:21
tert-Butylbenzene		22.6		ug/L	20.0	113%	77 - 135	3	17	9051000		05/08/09 11:21
Carbon disulfide		21.4		ug/L	20.0	107%	80 - 126	0.5	16	9051000		05/08/09 11:21
Carbon Tetrachloride		19.4		ug/L	20.0	97%	76 - 143	0.8	29	9051000		05/08/09 11:21
Chlorobenzene		20.8		ug/L	20.0	104%	80 - 120	4	27	9051000		05/08/09 11:21
Chlorodibromomethane		21.1		ug/L	20.0	105%	76 - 123	2	21	9051000		05/08/09 11:21
Chloroethane		20.0		ug/L	20.0	100%	77 - 127	0.05	32	9051000		05/08/09 11:21
Chloroform		18.5		ug/L	20.0	92%	80 - 133	2	28	9051000		05/08/09 11:21
Chloromethane		14.3		ug/L	20.0	72%	33 - 125	2	21	9051000		05/08/09 11:21
2-Chlorotoluene		21.4		ug/L	20.0	107%	80 - 127	5	16	9051000		05/08/09 11:21
4-Chlorotoluene		21.4		ug/L	20.0	107%	80 - 127	2	17	9051000		05/08/09 11:21
1,2-Dibromo-3-chloropropane		25.7		ug/L	20.0	129%	60 - 136	1	29	9051000		05/08/09 11:21

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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051000-BSD1												
1,2-Dibromoethane (EDB)		22.6		ug/L	20.0	113%	80 - 125	2	21	9051000		05/08/09 11:21
Dibromomethane		20.4		ug/L	20.0	102%	80 - 124	6	20	9051000		05/08/09 11:21
1,4-Dichlorobenzene		20.6		ug/L	20.0	103%	80 - 120	6	19	9051000		05/08/09 11:21
1,3-Dichlorobenzene		21.7		ug/L	20.0	108%	80 - 123	5	18	9051000		05/08/09 11:21
1,2-Dichlorobenzene		21.9		ug/L	20.0	109%	80 - 122	0.3	23	9051000		05/08/09 11:21
Dichlorodifluoromethane		20.1		ug/L	20.0	100%	36 - 120	4	14	9051000		05/08/09 11:21
1,1-Dichloroethane		20.8		ug/L	20.0	104%	76 - 130	0.8	15	9051000		05/08/09 11:21
1,2-Dichloroethane		19.0		ug/L	20.0	95%	69 - 136	0	26	9051000		05/08/09 11:21
cis-1,2-Dichloroethene		17.9		ug/L	20.0	89%	80 - 129	11	14	9051000		05/08/09 11:21
1,1-Dichloroethene		21.0		ug/L	20.0	105%	80 - 127	2	26	9051000		05/08/09 11:21
trans-1,2-Dichloroethene		21.0		ug/L	20.0	105%	80 - 131	6	14	9051000		05/08/09 11:21
1,3-Dichloropropane		21.6		ug/L	20.0	108%	80 - 122	0.4	21	9051000		05/08/09 11:21
1,2-Dichloropropane		18.7		ug/L	20.0	93%	80 - 120	4	16	9051000		05/08/09 11:21
2,2-Dichloropropane		14.3		ug/L	20.0	71%	62 - 142	1	14	9051000		05/08/09 11:21
cis-1,3-Dichloropropene		19.6		ug/L	20.0	98%	76 - 135	5	19	9051000		05/08/09 11:21
trans-1,3-Dichloropropene		19.3		ug/L	20.0	96%	70 - 137	1	20	9051000		05/08/09 11:21
1,1-Dichloropropene		20.0		ug/L	20.0	100%	80 - 127	4	14	9051000		05/08/09 11:21
Ethylbenzene		21.0		ug/L	20.0	105%	80 - 128	3	17	9051000		05/08/09 11:21
Hexachlorobutadiene		19.5		ug/L	20.0	97%	68 - 148	0.9	34	9051000		05/08/09 11:21
2-Hexanone		127		ug/L	100	127%	69 - 148	0.05	34	9051000		05/08/09 11:21
Isopropylbenzene		21.2		ug/L	20.0	106%	80 - 121	0.05	18	9051000		05/08/09 11:21
p-Isopropyltoluene		20.0		ug/L	20.0	100%	79 - 127	1	17	9051000		05/08/09 11:21
Methyl tert-Butyl Ether		21.1		ug/L	20.0	105%	70 - 129	2	32	9051000		05/08/09 11:21
Methylene Chloride		19.7		ug/L	20.0	98%	76 - 135	3	18	9051000		05/08/09 11:21
4-Methyl-2-pentanone		136		ug/L	100	136%	67 - 143	4	31	9051000		05/08/09 11:21
Naphthalene		25.3		ug/L	20.0	127%	62 - 141	0.9	39	9051000		05/08/09 11:21
n-Propylbenzene		22.1		ug/L	20.0	110%	80 - 132	2	17	9051000		05/08/09 11:21
Styrene		20.7		ug/L	20.0	103%	80 - 139	0	16	9051000		05/08/09 11:21
1,1,1,2-Tetrachloroethane		20.0		ug/L	20.0	100%	80 - 135	4	17	9051000		05/08/09 11:21
1,1,2,2-Tetrachloroethane		24.7		ug/L	20.0	124%	65 - 145	5	28	9051000		05/08/09 11:21
Tetrachloroethene		18.2		ug/L	20.0	91%	80 - 125	4	27	9051000		05/08/09 11:21
Toluene		20.5		ug/L	20.0	103%	80 - 125	0.4	19	9051000		05/08/09 11:21
1,2,3-Trichlorobenzene		22.1		ug/L	20.0	110%	57 - 144	0.5	31	9051000		05/08/09 11:21
1,2,4-Trichlorobenzene		21.2		ug/L	20.0	106%	60 - 140	2	26	9051000		05/08/09 11:21
1,1,2-Trichloroethane		21.7		ug/L	20.0	108%	80 - 122	3	21	9051000		05/08/09 11:21
1,1,1-Trichloroethane		19.0		ug/L	20.0	95%	80 - 131	3	16	9051000		05/08/09 11:21
Trichloroethene		18.2		ug/L	20.0	91%	80 - 131	4	28	9051000		05/08/09 11:21
Trichlorofluoromethane		14.9		ug/L	20.0	74%	68 - 125	15	20	9051000		05/08/09 11:21
1,2,3-Trichloropropane		21.0		ug/L	20.0	105%	60 - 127	3	26	9051000		05/08/09 11:21
1,3,5-Trimethylbenzene		21.3		ug/L	20.0	106%	80 - 129	4	16	9051000		05/08/09 11:21
1,2,4-Trimethylbenzene		21.5		ug/L	20.0	107%	80 - 128	2	22	9051000		05/08/09 11:21

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PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9051000-BSD1												
Vinyl chloride		19.7		ug/L	20.0	98%	69 - 120	2	26	9051000		05/08/09 11:21
Xylenes, total		61.8		ug/L	60.0	103%	80 - 129	2	18	9051000		05/08/09 11:21
Surrogate: 1,2-Dichloroethane-d4		29.7		ug/L	30.0	99%	60 - 140			9051000		05/08/09 11:21
Surrogate: Dibromofluoromethane		27.5		ug/L	30.0	92%	75 - 124			9051000		05/08/09 11:21
Surrogate: Toluene-d8		28.5		ug/L	30.0	95%	78 - 121			9051000		05/08/09 11:21
Surrogate: 4-Bromofluorobenzene		29.8		ug/L	30.0	99%	79 - 124			9051000		05/08/09 11:21

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PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
9052264-MS1										
Total Organic Carbon	7.00	24.1		ug/mL	20.0	85%	77 - 128	9052264	NSE0374-02	05/18/09 15:03
Methane, Ethane, and Ethene by GC										
9051203-MS1										
Ethene	ND	2560		ug/L	2340	109%	66 - 121	9051203	NSE0609-01	05/18/09 16:23
Methane	158	1890		ug/L	1330	130%	62 - 145	9051203	NSE0609-01	05/18/09 16:23
Surrogate: Acetylene		6160	Z2	ug/L	4320	142%	74 - 120	9051203	NSE0609-01	05/18/09 16:23
Surrogate: Acetylene		6160	Z2	ug/L	4320	142%	74 - 120	9051203	NSE0609-01	05/18/09 16:23
Volatile Organic Compounds by EPA Method 8260B										
9050841-MS1										
Acetone	ND	291		ug/L	250	116%	55 - 148	9050841	NSE0446-01	05/08/09 09:13
Benzene	1.88	59.4		ug/L	50.0	115%	68 - 143	9050841	NSE0446-01	05/08/09 09:13
Bromobenzene	ND	55.0		ug/L	50.0	110%	65 - 140	9050841	NSE0446-01	05/08/09 09:13
Bromochloromethane	ND	51.4		ug/L	50.0	103%	80 - 137	9050841	NSE0446-01	05/08/09 09:13
Bromodichloromethane	ND	53.9		ug/L	50.0	108%	80 - 132	9050841	NSE0446-01	05/08/09 09:13
Bromoform	ND	49.4		ug/L	50.0	99%	67 - 123	9050841	NSE0446-01	05/08/09 09:13
Bromomethane	ND	46.0		ug/L	50.0	92%	39 - 166	9050841	NSE0446-01	05/08/09 09:13
2-Butanone	ND	349		ug/L	250	140%	50 - 154	9050841	NSE0446-01	05/08/09 09:13
sec-Butylbenzene	ND	60.4		ug/L	50.0	121%	73 - 142	9050841	NSE0446-01	05/08/09 09:13
n-Butylbenzene	ND	61.9		ug/L	50.0	124%	64 - 147	9050841	NSE0446-01	05/08/09 09:13
tert-Butylbenzene	ND	61.9		ug/L	50.0	124%	70 - 148	9050841	NSE0446-01	05/08/09 09:13
Carbon disulfide	ND	56.7		ug/L	50.0	113%	79 - 147	9050841	NSE0446-01	05/08/09 09:13
Carbon Tetrachloride	ND	53.0		ug/L	50.0	106%	62 - 165	9050841	NSE0446-01	05/08/09 09:13
Chlorobenzene	ND	57.0		ug/L	50.0	114%	67 - 140	9050841	NSE0446-01	05/08/09 09:13
Chlorodibromomethane	ND	57.0		ug/L	50.0	114%	72 - 123	9050841	NSE0446-01	05/08/09 09:13
Chloroethane	ND	46.0		ug/L	50.0	92%	74 - 151	9050841	NSE0446-01	05/08/09 09:13
Chloroform	ND	49.3		ug/L	50.0	99%	59 - 152	9050841	NSE0446-01	05/08/09 09:13
Chloromethane	ND	35.7		ug/L	50.0	71%	33 - 138	9050841	NSE0446-01	05/08/09 09:13
2-Chlorotoluene	ND	59.2		ug/L	50.0	118%	76 - 134	9050841	NSE0446-01	05/08/09 09:13
4-Chlorotoluene	ND	58.2		ug/L	50.0	116%	80 - 133	9050841	NSE0446-01	05/08/09 09:13
1,2-Dibromo-3-chloropropane	ND	65.0		ug/L	50.0	130%	60 - 136	9050841	NSE0446-01	05/08/09 09:13
1,2-Dibromoethane (EDB)	ND	57.5		ug/L	50.0	115%	80 - 132	9050841	NSE0446-01	05/08/09 09:13
Dibromomethane	ND	52.6		ug/L	50.0	105%	79 - 131	9050841	NSE0446-01	05/08/09 09:13
1,4-Dichlorobenzene	ND	56.2		ug/L	50.0	112%	80 - 126	9050841	NSE0446-01	05/08/09 09:13
1,3-Dichlorobenzene	ND	59.0		ug/L	50.0	118%	75 - 132	9050841	NSE0446-01	05/08/09 09:13
1,2-Dichlorobenzene	ND	59.4		ug/L	50.0	119%	80 - 130	9050841	NSE0446-01	05/08/09 09:13
Dichlorodifluoromethane	ND	50.3		ug/L	50.0	101%	36 - 146	9050841	NSE0446-01	05/08/09 09:13

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9050841-MS1										
1,1-Dichloroethane	ND	55.3		ug/L	50.0	111%	76 - 131	9050841	NSE0446-01	05/08/09 09:13
1,2-Dichloroethane	ND	49.1		ug/L	50.0	98%	53 - 146	9050841	NSE0446-01	05/08/09 09:13
cis-1,2-Dichloroethene	ND	53.5		ug/L	50.0	107%	76 - 141	9050841	NSE0446-01	05/08/09 09:13
1,1-Dichloroethene	ND	54.3		ug/L	50.0	109%	63 - 157	9050841	NSE0446-01	05/08/09 09:13
trans-1,2-Dichloroethene	ND	51.4		ug/L	50.0	103%	78 - 137	9050841	NSE0446-01	05/08/09 09:13
1,3-Dichloropropane	ND	55.9		ug/L	50.0	112%	76 - 130	9050841	NSE0446-01	05/08/09 09:13
1,2-Dichloropropane	ND	53.7		ug/L	50.0	107%	77 - 128	9050841	NSE0446-01	05/08/09 09:13
2,2-Dichloropropane	ND	59.9		ug/L	50.0	120%	62 - 145	9050841	NSE0446-01	05/08/09 09:13
cis-1,3-Dichloropropene	ND	57.1		ug/L	50.0	114%	71 - 140	9050841	NSE0446-01	05/08/09 09:13
trans-1,3-Dichloropropene	ND	58.1		ug/L	50.0	116%	65 - 137	9050841	NSE0446-01	05/08/09 09:13
1,1-Dichloropropene	ND	56.5		ug/L	50.0	113%	80 - 136	9050841	NSE0446-01	05/08/09 09:13
Ethylbenzene	ND	58.8		ug/L	50.0	118%	80 - 135	9050841	NSE0446-01	05/08/09 09:13
Hexachlorobutadiene	ND	50.7		ug/L	50.0	101%	48 - 155	9050841	NSE0446-01	05/08/09 09:13
2-Hexanone	ND	338		ug/L	250	135%	58 - 154	9050841	NSE0446-01	05/08/09 09:13
Isopropylbenzene	ND	61.6		ug/L	50.0	123%	80 - 135	9050841	NSE0446-01	05/08/09 09:13
p-Isopropyltoluene	ND	61.3		ug/L	50.0	123%	74 - 139	9050841	NSE0446-01	05/08/09 09:13
Methyl tert-Butyl Ether	1.06	57.8		ug/L	50.0	114%	60 - 144	9050841	NSE0446-01	05/08/09 09:13
Methylene Chloride	ND	51.9		ug/L	50.0	104%	64 - 140	9050841	NSE0446-01	05/08/09 09:13
4-Methyl-2-pentanone	ND	333		ug/L	250	133%	55 - 153	9050841	NSE0446-01	05/08/09 09:13
Naphthalene	ND	65.6		ug/L	50.0	131%	50 - 154	9050841	NSE0446-01	05/08/09 09:13
n-Propylbenzene	ND	61.6		ug/L	50.0	123%	78 - 141	9050841	NSE0446-01	05/08/09 09:13
Styrene	ND	54.6		ug/L	50.0	109%	80 - 139	9050841	NSE0446-01	05/08/09 09:13
1,1,1,2-Tetrachloroethane	ND	55.4		ug/L	50.0	111%	75 - 140	9050841	NSE0446-01	05/08/09 09:13
1,1,2,2-Tetrachloroethane	ND	62.3		ug/L	50.0	125%	55 - 152	9050841	NSE0446-01	05/08/09 09:13
Tetrachloroethene	ND	48.8		ug/L	50.0	98%	67 - 150	9050841	NSE0446-01	05/08/09 09:13
Toluene	ND	54.6		ug/L	50.0	109%	75 - 139	9050841	NSE0446-01	05/08/09 09:13
1,2,3-Trichlorobenzene	ND	58.3		ug/L	50.0	117%	49 - 144	9050841	NSE0446-01	05/08/09 09:13
1,2,4-Trichlorobenzene	ND	56.7		ug/L	50.0	113%	55 - 135	9050841	NSE0446-01	05/08/09 09:13
1,1,2-Trichloroethane	ND	57.3		ug/L	50.0	115%	77 - 128	9050841	NSE0446-01	05/08/09 09:13
1,1,1-Trichloroethane	ND	53.0		ug/L	50.0	106%	80 - 136	9050841	NSE0446-01	05/08/09 09:13
Trichloroethene	ND	52.1		ug/L	50.0	104%	57 - 158	9050841	NSE0446-01	05/08/09 09:13
Trichlorofluoromethane	ND	45.0		ug/L	50.0	90%	68 - 145	9050841	NSE0446-01	05/08/09 09:13
1,2,3-Trichloropropane	ND	60.5		ug/L	50.0	121%	55 - 137	9050841	NSE0446-01	05/08/09 09:13
1,3,5-Trimethylbenzene	ND	57.7		ug/L	50.0	115%	78 - 136	9050841	NSE0446-01	05/08/09 09:13
1,2,4-Trimethylbenzene	ND	59.7		ug/L	50.0	119%	70 - 143	9050841	NSE0446-01	05/08/09 09:13
Vinyl chloride	ND	50.8		ug/L	50.0	102%	49 - 156	9050841	NSE0446-01	05/08/09 09:13
Xylenes, total	ND	171		ug/L	150	114%	80 - 136	9050841	NSE0446-01	05/08/09 09:13

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9050841-MS1										
Surrogate: 1,2-Dichloroethane-d4		27.3		ug/L	30.0	91%	60 - 140	9050841	NSE0446-01	05/08/09 09:13
Surrogate: Dibromofluoromethane		27.4		ug/L	30.0	91%	75 - 124	9050841	NSE0446-01	05/08/09 09:13
Surrogate: Toluene-d8		29.3		ug/L	30.0	98%	78 - 121	9050841	NSE0446-01	05/08/09 09:13
Surrogate: 4-Bromofluorobenzene		28.8		ug/L	30.0	96%	79 - 124	9050841	NSE0446-01	05/08/09 09:13
9050998-MS1										
Acetone	ND	279		ug/L	250	111%	55 - 148	9050998	NSE0502-02	05/07/09 21:22
Benzene	ND	58.1		ug/L	50.0	116%	68 - 143	9050998	NSE0502-02	05/07/09 21:22
Bromobenzene	ND	54.0		ug/L	50.0	108%	65 - 140	9050998	NSE0502-02	05/07/09 21:22
Bromochloromethane	ND	52.3		ug/L	50.0	105%	80 - 137	9050998	NSE0502-02	05/07/09 21:22
Bromodichloromethane	ND	54.6		ug/L	50.0	109%	80 - 132	9050998	NSE0502-02	05/07/09 21:22
Bromoform	ND	47.2		ug/L	50.0	94%	67 - 123	9050998	NSE0502-02	05/07/09 21:22
Bromomethane	ND	47.9		ug/L	50.0	96%	39 - 166	9050998	NSE0502-02	05/07/09 21:22
2-Butanone	ND	338		ug/L	250	135%	50 - 154	9050998	NSE0502-02	05/07/09 21:22
sec-Butylbenzene	ND	61.6		ug/L	50.0	123%	73 - 142	9050998	NSE0502-02	05/07/09 21:22
tert-Butylbenzene	ND	61.7		ug/L	50.0	123%	70 - 148	9050998	NSE0502-02	05/07/09 21:22
Carbon disulfide	ND	63.3		ug/L	50.0	127%	79 - 147	9050998	NSE0502-02	05/07/09 21:22
Carbon Tetrachloride	ND	55.5		ug/L	50.0	111%	62 - 165	9050998	NSE0502-02	05/07/09 21:22
Chlorobenzene	ND	55.0		ug/L	50.0	110%	67 - 140	9050998	NSE0502-02	05/07/09 21:22
Chlorodibromomethane	ND	54.5		ug/L	50.0	109%	72 - 123	9050998	NSE0502-02	05/07/09 21:22
Chloroethane	ND	47.5		ug/L	50.0	95%	74 - 151	9050998	NSE0502-02	05/07/09 21:22
Chloroform	ND	51.2		ug/L	50.0	102%	59 - 152	9050998	NSE0502-02	05/07/09 21:22
Chloromethane	ND	37.2		ug/L	50.0	74%	33 - 138	9050998	NSE0502-02	05/07/09 21:22
2-Chlorotoluene	ND	59.6		ug/L	50.0	119%	76 - 134	9050998	NSE0502-02	05/07/09 21:22
4-Chlorotoluene	ND	58.7		ug/L	50.0	117%	80 - 133	9050998	NSE0502-02	05/07/09 21:22
1,2-Dibromo-3-chloropropane	ND	61.3		ug/L	50.0	123%	60 - 136	9050998	NSE0502-02	05/07/09 21:22
1,2-Dibromoethane (EDB)	ND	55.3		ug/L	50.0	111%	80 - 132	9050998	NSE0502-02	05/07/09 21:22
Dibromomethane	ND	52.4		ug/L	50.0	105%	79 - 131	9050998	NSE0502-02	05/07/09 21:22
1,4-Dichlorobenzene	ND	58.5		ug/L	50.0	117%	80 - 126	9050998	NSE0502-02	05/07/09 21:22
1,3-Dichlorobenzene	ND	59.9		ug/L	50.0	120%	75 - 132	9050998	NSE0502-02	05/07/09 21:22
1,2-Dichlorobenzene	ND	58.9		ug/L	50.0	118%	80 - 130	9050998	NSE0502-02	05/07/09 21:22
Dichlorodifluoromethane	ND	54.6		ug/L	50.0	109%	36 - 146	9050998	NSE0502-02	05/07/09 21:22
1,1-Dichloroethane	ND	56.5		ug/L	50.0	113%	76 - 131	9050998	NSE0502-02	05/07/09 21:22
1,2-Dichloroethane	ND	50.6		ug/L	50.0	101%	53 - 146	9050998	NSE0502-02	05/07/09 21:22
cis-1,2-Dichloroethene	124	176		ug/L	50.0	105%	76 - 141	9050998	NSE0502-02	05/07/09 21:22
1,1-Dichloroethene	1.16	64.1		ug/L	50.0	126%	63 - 157	9050998	NSE0502-02	05/07/09 21:22
trans-1,2-Dichloroethene	8.83	68.1		ug/L	50.0	119%	78 - 137	9050998	NSE0502-02	05/07/09 21:22
1,3-Dichloropropane	ND	55.0		ug/L	50.0	110%	76 - 130	9050998	NSE0502-02	05/07/09 21:22

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9050998-MS1										
1,2-Dichloropropane	ND	54.1		ug/L	50.0	108%	77 - 128	9050998	NSE0502-02	05/07/09 21:22
2,2-Dichloropropane	ND	52.0		ug/L	50.0	104%	62 - 145	9050998	NSE0502-02	05/07/09 21:22
cis-1,3-Dichloropropene	ND	50.6		ug/L	50.0	101%	71 - 140	9050998	NSE0502-02	05/07/09 21:22
trans-1,3-Dichloropropene	ND	53.6		ug/L	50.0	107%	65 - 137	9050998	NSE0502-02	05/07/09 21:22
1,1-Dichloropropene	ND	60.2		ug/L	50.0	120%	80 - 136	9050998	NSE0502-02	05/07/09 21:22
Ethylbenzene	ND	56.7		ug/L	50.0	113%	80 - 135	9050998	NSE0502-02	05/07/09 21:22
Hexachlorobutadiene	ND	49.5		ug/L	50.0	99%	48 - 155	9050998	NSE0502-02	05/07/09 21:22
2-Hexanone	ND	315		ug/L	250	126%	58 - 154	9050998	NSE0502-02	05/07/09 21:22
Isopropylbenzene	ND	60.3		ug/L	50.0	121%	80 - 135	9050998	NSE0502-02	05/07/09 21:22
p-Isopropyltoluene	ND	60.4		ug/L	50.0	121%	74 - 139	9050998	NSE0502-02	05/07/09 21:22
Methyl tert-Butyl Ether	ND	55.8		ug/L	50.0	112%	60 - 144	9050998	NSE0502-02	05/07/09 21:22
Methylene Chloride	ND	53.5		ug/L	50.0	107%	64 - 140	9050998	NSE0502-02	05/07/09 21:22
4-Methyl-2-pentanone	ND	317		ug/L	250	127%	55 - 153	9050998	NSE0502-02	05/07/09 21:22
Naphthalene	ND	62.8		ug/L	50.0	126%	50 - 154	9050998	NSE0502-02	05/07/09 21:22
n-Propylbenzene	ND	62.4		ug/L	50.0	125%	78 - 141	9050998	NSE0502-02	05/07/09 21:22
Styrene	ND	52.7		ug/L	50.0	105%	80 - 139	9050998	NSE0502-02	05/07/09 21:22
1,1,1,2-Tetrachloroethane	ND	53.4		ug/L	50.0	107%	75 - 140	9050998	NSE0502-02	05/07/09 21:22
1,1,2,2-Tetrachloroethane	ND	61.5		ug/L	50.0	123%	55 - 152	9050998	NSE0502-02	05/07/09 21:22
Tetrachloroethene	ND	47.6		ug/L	50.0	95%	67 - 150	9050998	NSE0502-02	05/07/09 21:22
Toluene	ND	53.6		ug/L	50.0	107%	75 - 139	9050998	NSE0502-02	05/07/09 21:22
1,2,3-Trichlorobenzene	ND	57.1		ug/L	50.0	114%	49 - 144	9050998	NSE0502-02	05/07/09 21:22
1,2,4-Trichlorobenzene	ND	56.6		ug/L	50.0	113%	55 - 135	9050998	NSE0502-02	05/07/09 21:22
1,1,2-Trichloroethane	ND	54.4		ug/L	50.0	109%	77 - 128	9050998	NSE0502-02	05/07/09 21:22
1,1,1-Trichloroethane	ND	52.9		ug/L	50.0	106%	80 - 136	9050998	NSE0502-02	05/07/09 21:22
Trichloroethene	74.7	127		ug/L	50.0	104%	57 - 158	9050998	NSE0502-02	05/07/09 21:22
Trichlorofluoromethane	ND	47.3		ug/L	50.0	95%	68 - 145	9050998	NSE0502-02	05/07/09 21:22
1,2,3-Trichloropropane	ND	56.9		ug/L	50.0	114%	55 - 137	9050998	NSE0502-02	05/07/09 21:22
1,3,5-Trimethylbenzene	ND	59.6		ug/L	50.0	119%	78 - 136	9050998	NSE0502-02	05/07/09 21:22
1,2,4-Trimethylbenzene	ND	60.4		ug/L	50.0	121%	70 - 143	9050998	NSE0502-02	05/07/09 21:22
Vinyl chloride	8.79	60.3		ug/L	50.0	103%	49 - 156	9050998	NSE0502-02	05/07/09 21:22
Xylenes, total	ND	167		ug/L	150	111%	80 - 136	9050998	NSE0502-02	05/07/09 21:22
Surrogate: 1,2-Dichloroethane-d4		27.8		ug/L	30.0	93%	60 - 140	9050998	NSE0502-02	05/07/09 21:22
Surrogate: Dibromofluoromethane		28.1		ug/L	30.0	94%	75 - 124	9050998	NSE0502-02	05/07/09 21:22
Surrogate: Toluene-d8		29.6		ug/L	30.0	99%	78 - 121	9050998	NSE0502-02	05/07/09 21:22
Surrogate: 4-Bromofluorobenzene		29.6		ug/L	30.0	99%	79 - 124	9050998	NSE0502-02	05/07/09 21:22

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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Work Order: NSE0502
 Project Name: Former Taylor Instruments
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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
9052264-MSD1												
Total Organic Carbon	7.00	24.2		ug/mL	20.0	86%	77 - 128	0.6	20	9052264	NSE0374-02	05/18/09 15:03
Methane, Ethane, and Ethene by GC												
9051203-MSD1												
Ethene	ND	2790		ug/L	2340	119%	66 - 121	9	28	9051203	NSE0609-01	05/18/09 16:26
Methane	158	1890		ug/L	1330	130%	62 - 145	0.3	25	9051203	NSE0609-01	05/18/09 16:26
Surrogate: Acetylene		6670	ZZ	ug/L	4320	154%	74 - 120			9051203	NSE0609-01	05/18/09 16:26
Surrogate: Acetylene		6670	ZZ	ug/L	4320	154%	74 - 120			9051203	NSE0609-01	05/18/09 16:26
Volatile Organic Compounds by EPA Method 8260B												
9050841-MSD1												
Acetone	ND	303		ug/L	250	121%	55 - 148	4	29	9050841	NSE0446-01	05/08/09 09:39
Benzene	1.88	57.7		ug/L	50.0	112%	68 - 143	3	23	9050841	NSE0446-01	05/08/09 09:39
Bromobenzene	ND	55.5		ug/L	50.0	111%	65 - 140	0.9	18	9050841	NSE0446-01	05/08/09 09:39
Bromochloromethane	ND	54.1		ug/L	50.0	108%	80 - 137	5	18	9050841	NSE0446-01	05/08/09 09:39
Bromodichloromethane	ND	52.7		ug/L	50.0	105%	80 - 132	2	18	9050841	NSE0446-01	05/08/09 09:39
Bromoform	ND	48.6		ug/L	50.0	97%	67 - 123	2	24	9050841	NSE0446-01	05/08/09 09:39
Bromomethane	ND	51.8		ug/L	50.0	104%	39 - 166	12	45	9050841	NSE0446-01	05/08/09 09:39
2-Butanone	ND	337		ug/L	250	135%	50 - 154	3	36	9050841	NSE0446-01	05/08/09 09:39
sec-Butylbenzene	ND	60.2		ug/L	50.0	120%	73 - 142	0.5	17	9050841	NSE0446-01	05/08/09 09:39
n-Butylbenzene	ND	61.6		ug/L	50.0	123%	64 - 147	0.6	18	9050841	NSE0446-01	05/08/09 09:39
tert-Butylbenzene	ND	62.2		ug/L	50.0	124%	70 - 148	0.5	17	9050841	NSE0446-01	05/08/09 09:39
Carbon disulfide	ND	55.3		ug/L	50.0	111%	79 - 147	3	16	9050841	NSE0446-01	05/08/09 09:39
Carbon Tetrachloride	ND	51.5		ug/L	50.0	103%	62 - 165	3	29	9050841	NSE0446-01	05/08/09 09:39
Chlorobenzene	ND	55.1		ug/L	50.0	110%	67 - 140	3	27	9050841	NSE0446-01	05/08/09 09:39
Chlorodibromomethane	ND	57.2		ug/L	50.0	114%	72 - 123	0.5	21	9050841	NSE0446-01	05/08/09 09:39
Chloroethane	ND	47.1		ug/L	50.0	94%	74 - 151	2	32	9050841	NSE0446-01	05/08/09 09:39
Chloroform	ND	48.1		ug/L	50.0	96%	59 - 152	2	28	9050841	NSE0446-01	05/08/09 09:39
Chloromethane	ND	33.8		ug/L	50.0	68%	33 - 138	5	21	9050841	NSE0446-01	05/08/09 09:39
2-Chlorotoluene	ND	58.0		ug/L	50.0	116%	76 - 134	2	16	9050841	NSE0446-01	05/08/09 09:39
4-Chlorotoluene	ND	57.9		ug/L	50.0	116%	80 - 133	0.6	17	9050841	NSE0446-01	05/08/09 09:39
1,2-Dibromo-3-chloropropane	ND	65.2		ug/L	50.0	130%	60 - 136	0.3	29	9050841	NSE0446-01	05/08/09 09:39
1,2-Dibromoethane (EDB)	ND	56.6		ug/L	50.0	113%	80 - 132	2	21	9050841	NSE0446-01	05/08/09 09:39
Dibromomethane	ND	50.0		ug/L	50.0	100%	79 - 131	5	20	9050841	NSE0446-01	05/08/09 09:39
1,4-Dichlorobenzene	ND	55.6		ug/L	50.0	111%	80 - 126	0.9	19	9050841	NSE0446-01	05/08/09 09:39
1,3-Dichlorobenzene	ND	60.5		ug/L	50.0	121%	75 - 132	3	18	9050841	NSE0446-01	05/08/09 09:39
1,2-Dichlorobenzene	ND	58.7		ug/L	50.0	117%	80 - 130	1	23	9050841	NSE0446-01	05/08/09 09:39
Dichlorodifluoromethane	ND	49.1		ug/L	50.0	98%	36 - 146	2	14	9050841	NSE0446-01	05/08/09 09:39
1,1-Dichloroethane	ND	54.8		ug/L	50.0	110%	76 - 131	1	15	9050841	NSE0446-01	05/08/09 09:39
1,2-Dichloroethane	ND	47.8		ug/L	50.0	96%	53 - 146	3	26	9050841	NSE0446-01	05/08/09 09:39
cis-1,2-Dichloroethene	ND	52.2		ug/L	50.0	104%	76 - 141	2	14	9050841	NSE0446-01	05/08/09 09:39

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050841-MSD1												
1,1-Dichloroethene	ND	58.8		ug/L	50.0	118%	63 - 157	8	26	9050841	NSE0446-01	05/08/09 09:39
trans-1,2-Dichloroethene	ND	53.2		ug/L	50.0	106%	78 - 137	3	14	9050841	NSE0446-01	05/08/09 09:39
1,3-Dichloropropane	ND	54.2		ug/L	50.0	108%	76 - 130	3	21	9050841	NSE0446-01	05/08/09 09:39
1,2-Dichloropropane	ND	52.4		ug/L	50.0	105%	77 - 128	3	16	9050841	NSE0446-01	05/08/09 09:39
2,2-Dichloropropane	ND	57.6		ug/L	50.0	115%	62 - 145	4	14	9050841	NSE0446-01	05/08/09 09:39
cis-1,3-Dichloropropene	ND	53.6		ug/L	50.0	107%	71 - 140	6	19	9050841	NSE0446-01	05/08/09 09:39
trans-1,3-Dichloropropene	ND	56.5		ug/L	50.0	113%	65 - 137	3	20	9050841	NSE0446-01	05/08/09 09:39
1,1-Dichloropropene	ND	57.1		ug/L	50.0	114%	80 - 136	1	14	9050841	NSE0446-01	05/08/09 09:39
Ethylbenzene	ND	55.7		ug/L	50.0	111%	80 - 135	6	17	9050841	NSE0446-01	05/08/09 09:39
Hexachlorobutadiene	ND	50.5		ug/L	50.0	101%	48 - 155	0.4	34	9050841	NSE0446-01	05/08/09 09:39
2-Hexanone	ND	332		ug/L	250	133%	58 - 154	2	34	9050841	NSE0446-01	05/08/09 09:39
Isopropylbenzene	ND	59.3		ug/L	50.0	119%	80 - 135	4	18	9050841	NSE0446-01	05/08/09 09:39
p-Isopropyltoluene	ND	61.1		ug/L	50.0	122%	74 - 139	0.4	17	9050841	NSE0446-01	05/08/09 09:39
Methyl tert-Butyl Ether	1.06	56.7		ug/L	50.0	111%	60 - 144	2	32	9050841	NSE0446-01	05/08/09 09:39
Methylene Chloride	ND	51.5		ug/L	50.0	103%	64 - 140	0.9	18	9050841	NSE0446-01	05/08/09 09:39
4-Methyl-2-pentanone	ND	333		ug/L	250	133%	55 - 153	0.3	31	9050841	NSE0446-01	05/08/09 09:39
Naphthalene	ND	66.9		ug/L	50.0	134%	50 - 154	2	39	9050841	NSE0446-01	05/08/09 09:39
n-Propylbenzene	ND	61.4		ug/L	50.0	123%	78 - 141	0.3	17	9050841	NSE0446-01	05/08/09 09:39
Styrene	ND	52.0		ug/L	50.0	104%	80 - 139	5	16	9050841	NSE0446-01	05/08/09 09:39
1,1,1,2-Tetrachloroethane	ND	52.4		ug/L	50.0	105%	75 - 140	6	17	9050841	NSE0446-01	05/08/09 09:39
1,1,2,2-Tetrachloroethane	ND	63.2		ug/L	50.0	126%	55 - 152	1	28	9050841	NSE0446-01	05/08/09 09:39
Tetrachloroethene	ND	47.9		ug/L	50.0	96%	67 - 150	2	27	9050841	NSE0446-01	05/08/09 09:39
Toluene	ND	52.8		ug/L	50.0	106%	75 - 139	3	19	9050841	NSE0446-01	05/08/09 09:39
1,2,3-Trichlorobenzene	ND	58.1		ug/L	50.0	116%	49 - 144	0.4	31	9050841	NSE0446-01	05/08/09 09:39
1,2,4-Trichlorobenzene	ND	57.6		ug/L	50.0	115%	55 - 135	2	26	9050841	NSE0446-01	05/08/09 09:39
1,1,2-Trichloroethane	ND	55.8		ug/L	50.0	112%	77 - 128	3	21	9050841	NSE0446-01	05/08/09 09:39
1,1,1-Trichloroethane	ND	51.1		ug/L	50.0	102%	80 - 136	4	16	9050841	NSE0446-01	05/08/09 09:39
Trichloroethene	ND	51.4		ug/L	50.0	103%	57 - 158	1	28	9050841	NSE0446-01	05/08/09 09:39
Trichlorofluoromethane	ND	43.7		ug/L	50.0	87%	68 - 145	3	20	9050841	NSE0446-01	05/08/09 09:39
1,2,3-Trichloropropane	ND	59.2		ug/L	50.0	118%	55 - 137	2	26	9050841	NSE0446-01	05/08/09 09:39
1,3,5-Trimethylbenzene	ND	58.6		ug/L	50.0	117%	78 - 136	2	16	9050841	NSE0446-01	05/08/09 09:39
1,2,4-Trimethylbenzene	ND	58.6		ug/L	50.0	117%	70 - 143	2	22	9050841	NSE0446-01	05/08/09 09:39
Vinyl chloride	ND	50.3		ug/L	50.0	101%	49 - 156	0.8	26	9050841	NSE0446-01	05/08/09 09:39
Xylenes, total	ND	164		ug/L	150	109%	80 - 136	5	18	9050841	NSE0446-01	05/08/09 09:39
Surrogate: 1,2-Dichloroethane-d4		27.4		ug/L	30.0	92%	60 - 140			9050841	NSE0446-01	05/08/09 09:39
Surrogate: Dibromofluoromethane		27.8		ug/L	30.0	93%	75 - 124			9050841	NSE0446-01	05/08/09 09:39
Surrogate: Toluene-d8		29.8		ug/L	30.0	100%	78 - 121			9050841	NSE0446-01	05/08/09 09:39
Surrogate: 4-Bromofluorobenzene		29.3		ug/L	30.0	98%	79 - 124			9050841	NSE0446-01	05/08/09 09:39
9050998-MSD1												
Acetone	ND	290		ug/L	250	116%	55 - 148	4	29	9050998	NSE0502-02	05/07/09 21:47

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSE0502
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050998-MSD1												
Benzene	ND	57.8		ug/L	50.0	116%	68 - 143	0.6	23	9050998	NSE0502-02	05/07/09 21:47
Bromobenzene	ND	53.0		ug/L	50.0	106%	65 - 140	2	18	9050998	NSE0502-02	05/07/09 21:47
Bromochloromethane	ND	54.9		ug/L	50.0	110%	80 - 137	5	18	9050998	NSE0502-02	05/07/09 21:47
Bromodichloromethane	ND	53.9		ug/L	50.0	108%	80 - 132	1	18	9050998	NSE0502-02	05/07/09 21:47
Bromoform	ND	48.4		ug/L	50.0	97%	67 - 123	2	24	9050998	NSE0502-02	05/07/09 21:47
Bromomethane	ND	54.5		ug/L	50.0	109%	39 - 166	13	45	9050998	NSE0502-02	05/07/09 21:47
2-Butanone	ND	350		ug/L	250	140%	50 - 154	3	36	9050998	NSE0502-02	05/07/09 21:47
sec-Butylbenzene	ND	60.2		ug/L	50.0	120%	73 - 142	2	17	9050998	NSE0502-02	05/07/09 21:47
tert-Butylbenzene	ND	60.4		ug/L	50.0	121%	70 - 148	2	17	9050998	NSE0502-02	05/07/09 21:47
Carbon disulfide	ND	61.2		ug/L	50.0	122%	79 - 147	3	16	9050998	NSE0502-02	05/07/09 21:47
Carbon Tetrachloride	ND	54.8		ug/L	50.0	110%	62 - 165	1	29	9050998	NSE0502-02	05/07/09 21:47
Chlorobenzene	ND	55.5		ug/L	50.0	111%	67 - 140	0.9	27	9050998	NSE0502-02	05/07/09 21:47
Chlorodibromomethane	ND	55.3		ug/L	50.0	111%	72 - 123	1	21	9050998	NSE0502-02	05/07/09 21:47
Chloroethane	ND	50.5		ug/L	50.0	101%	74 - 151	6	32	9050998	NSE0502-02	05/07/09 21:47
Chloroform	ND	49.5		ug/L	50.0	99%	59 - 152	3	28	9050998	NSE0502-02	05/07/09 21:47
Chloromethane	ND	37.9		ug/L	50.0	76%	33 - 138	2	21	9050998	NSE0502-02	05/07/09 21:47
2-Chlorotoluene	ND	57.6		ug/L	50.0	115%	76 - 134	3	16	9050998	NSE0502-02	05/07/09 21:47
4-Chlorotoluene	ND	56.9		ug/L	50.0	114%	80 - 133	3	17	9050998	NSE0502-02	05/07/09 21:47
1,2-Dibromo-3-chloropropane	ND	58.4		ug/L	50.0	117%	60 - 136	5	29	9050998	NSE0502-02	05/07/09 21:47
1,2-Dibromoethane (EDB)	ND	54.9		ug/L	50.0	110%	80 - 132	0.8	21	9050998	NSE0502-02	05/07/09 21:47
Dibromomethane	ND	51.6		ug/L	50.0	103%	79 - 131	1	20	9050998	NSE0502-02	05/07/09 21:47
1,4-Dichlorobenzene	ND	55.5		ug/L	50.0	111%	80 - 126	5	19	9050998	NSE0502-02	05/07/09 21:47
1,3-Dichlorobenzene	ND	58.2		ug/L	50.0	116%	75 - 132	3	18	9050998	NSE0502-02	05/07/09 21:47
1,2-Dichlorobenzene	ND	56.4		ug/L	50.0	113%	80 - 130	4	23	9050998	NSE0502-02	05/07/09 21:47
Dichlorodifluoromethane	ND	51.5		ug/L	50.0	103%	36 - 146	6	14	9050998	NSE0502-02	05/07/09 21:47
1,1-Dichloroethane	ND	54.9		ug/L	50.0	110%	76 - 131	3	15	9050998	NSE0502-02	05/07/09 21:47
1,2-Dichloroethane	ND	49.6		ug/L	50.0	99%	53 - 146	2	26	9050998	NSE0502-02	05/07/09 21:47
cis-1,2-Dichloroethene	124	171		ug/L	50.0	95%	76 - 141	3	14	9050998	NSE0502-02	05/07/09 21:47
1,1-Dichloroethene	1.16	62.3		ug/L	50.0	122%	63 - 157	3	26	9050998	NSE0502-02	05/07/09 21:47
trans-1,2-Dichloroethene	8.83	65.3		ug/L	50.0	113%	78 - 137	4	14	9050998	NSE0502-02	05/07/09 21:47
1,3-Dichloropropane	ND	54.6		ug/L	50.0	109%	76 - 130	0.7	21	9050998	NSE0502-02	05/07/09 21:47
1,2-Dichloropropane	ND	53.6		ug/L	50.0	107%	77 - 128	0.9	16	9050998	NSE0502-02	05/07/09 21:47
2,2-Dichloropropane	ND	50.8		ug/L	50.0	102%	62 - 145	2	14	9050998	NSE0502-02	05/07/09 21:47
cis-1,3-Dichloropropene	ND	54.0		ug/L	50.0	108%	71 - 140	7	19	9050998	NSE0502-02	05/07/09 21:47
trans-1,3-Dichloropropene	ND	54.4		ug/L	50.0	109%	65 - 137	1	20	9050998	NSE0502-02	05/07/09 21:47
1,1-Dichloropropene	ND	58.6		ug/L	50.0	117%	80 - 136	3	14	9050998	NSE0502-02	05/07/09 21:47
Ethylbenzene	ND	55.9		ug/L	50.0	112%	80 - 135	1	17	9050998	NSE0502-02	05/07/09 21:47
Hexachlorobutadiene	ND	48.4		ug/L	50.0	97%	48 - 155	2	34	9050998	NSE0502-02	05/07/09 21:47
2-Hexanone	ND	310		ug/L	250	124%	58 - 154	2	34	9050998	NSE0502-02	05/07/09 21:47
Isopropylbenzene	ND	60.0		ug/L	50.0	120%	80 - 135	0.5	18	9050998	NSE0502-02	05/07/09 21:47
p-Isopropyltoluene	ND	58.8		ug/L	50.0	118%	74 - 139	3	17	9050998	NSE0502-02	05/07/09 21:47

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
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 Received: 05/07/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9050998-MSD1												
Methyl tert-Butyl Ether	ND	55.5		ug/L	50.0	111%	60 - 144	0.5	32	9050998	NSE0502-02	05/07/09 21:47
Methylene Chloride	ND	50.7		ug/L	50.0	101%	64 - 140	5	18	9050998	NSE0502-02	05/07/09 21:47
4-Methyl-2-pentanone	ND	309		ug/L	250	124%	55 - 153	3	31	9050998	NSE0502-02	05/07/09 21:47
Naphthalene	ND	61.4		ug/L	50.0	123%	50 - 154	2	39	9050998	NSE0502-02	05/07/09 21:47
n-Propylbenzene	ND	60.4		ug/L	50.0	121%	78 - 141	3	17	9050998	NSE0502-02	05/07/09 21:47
Styrene	ND	51.8		ug/L	50.0	104%	80 - 139	2	16	9050998	NSE0502-02	05/07/09 21:47
1,1,1,2-Tetrachloroethane	ND	53.5		ug/L	50.0	107%	75 - 140	0.3	17	9050998	NSE0502-02	05/07/09 21:47
1,1,2,2-Tetrachloroethane	ND	59.0		ug/L	50.0	118%	55 - 152	4	28	9050998	NSE0502-02	05/07/09 21:47
Tetrachloroethene	ND	47.6		ug/L	50.0	95%	67 - 150	0.04	27	9050998	NSE0502-02	05/07/09 21:47
Toluene	ND	52.5		ug/L	50.0	105%	75 - 139	2	19	9050998	NSE0502-02	05/07/09 21:47
1,2,3-Trichlorobenzene	ND	55.7		ug/L	50.0	111%	49 - 144	2	31	9050998	NSE0502-02	05/07/09 21:47
1,2,4-Trichlorobenzene	ND	54.2		ug/L	50.0	108%	55 - 135	4	26	9050998	NSE0502-02	05/07/09 21:47
1,1,2-Trichloroethane	ND	54.4		ug/L	50.0	109%	77 - 128	0.02	21	9050998	NSE0502-02	05/07/09 21:47
1,1,1-Trichloroethane	ND	52.0		ug/L	50.0	104%	80 - 136	2	16	9050998	NSE0502-02	05/07/09 21:47
Trichloroethene	74.7	124		ug/L	50.0	98%	57 - 158	2	28	9050998	NSE0502-02	05/07/09 21:47
Trichlorofluoromethane	ND	45.2		ug/L	50.0	90%	68 - 145	5	20	9050998	NSE0502-02	05/07/09 21:47
1,2,3-Trichloropropane	ND	55.1		ug/L	50.0	110%	55 - 137	3	26	9050998	NSE0502-02	05/07/09 21:47
1,3,5-Trimethylbenzene	ND	57.4		ug/L	50.0	115%	78 - 136	4	16	9050998	NSE0502-02	05/07/09 21:47
1,2,4-Trimethylbenzene	ND	57.5		ug/L	50.0	115%	70 - 143	5	22	9050998	NSE0502-02	05/07/09 21:47
Vinyl chloride	8.79	61.5		ug/L	50.0	105%	49 - 156	2	26	9050998	NSE0502-02	05/07/09 21:47
Xylenes, total	ND	164		ug/L	150	109%	80 - 136	2	18	9050998	NSE0502-02	05/07/09 21:47
Surrogate: 1,2-Dichloroethane-d4		27.0		ug/L	30.0	90%	60 - 140			9050998	NSE0502-02	05/07/09 21:47
Surrogate: Dibromofluoromethane		27.6		ug/L	30.0	92%	75 - 124			9050998	NSE0502-02	05/07/09 21:47
Surrogate: Toluene-d8		28.8		ug/L	30.0	96%	78 - 121			9050998	NSE0502-02	05/07/09 21:47
Surrogate: 4-Bromofluorobenzene		29.1		ug/L	30.0	97%	79 - 124			9050998	NSE0502-02	05/07/09 21:47

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSE0502
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/07/09 08:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
RSK 175	Water	N/A	X	
SM 4500CO2 C	Water	N/A		
SM5310 B	Water		X	X
SW846 8260B	Water	N/A	X	X

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NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
SM 4500CO2 C	Water	Carbon Dioxide

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

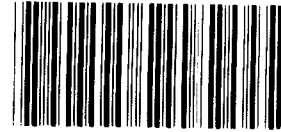
Work Order: NSE0502
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 05/07/09 08:15

DATA QUALIFIERS AND DEFINITIONS

A-01 LCS outside historical limits, but within method guideline. No effect on data.
C8 Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
HTI The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.
MNR1 There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
R2 The RPD exceeded the acceptance limit.
R3 The RPD exceeded the acceptance limit due to sample matrix effects.
Z2 Surrogate recovery was above the acceptance limits. Data not impacted.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

COOLER RECEIPT



Cooler Received/Opened On 5/7/09 @ 8:15

NSE0502

1. Tracking # 0479 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 4.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: 1 FRONT

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) SDJ

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used: Bubble wrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO...NA

12. Did all container labels and tags agree with custody papers? YES NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence 1

I certify that I unloaded the cooler and answered questions 7-14 (initial) b

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO...NA

b. Did the bottle labels indicate that the correct preservatives were used? YES NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) b

17. Were custody papers properly filled out (ink, signed, etc)? YES NO...NA

18. Did you sign the custody papers in the appropriate place? YES NO...NA

19. Were correct containers used for the analysis requested? YES NO...NA

20. Was sufficient amount of sample sent in each container? YES NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) SDJ

I certify that I attached a label with the unique LIMS number to each container (initial) SDJ

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES...NO...# _____

TestAmerica

NSE0502

05/21/09 23:59

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax: (615) 726-3404

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

Client Telephone#: (865) 588-8544 Fax: (865) 588-8026

Site Address: 95 AMES STREET

Sampler Name (Print) ANGELA ADAMS

City, State, Zip: ROCHESTER New York

Sampler Signature: *[Signature]*

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative							Matrix							Analyze for							RUSH TAT (Pre Schedule) *							
							Methanol	Sodium Bisulfate	HCL (Blue Label)	NaOH (Orange Label)	Plastic H2SO4 (Yellow Label)	Glass H2SO4 (Yellow Label)	HNO3 (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)	8260B Volatile Organics	Carbon Dioxide SM #500CO2C	RSK 175 Ethene	RSK 175 Methane	TOC SM5310 B										
QATB01	5/5/09	1526	1	X		N							X				X																		
BR-05 MS		1427	3																																
BR-05 MSD		1428	3																																
OB-05		1516	3																																
OB-09		1304	3																																
TW-17		1152	3																																
BR-05		1426	3																																
BR-10		1225	3																																
QAFB01		1533	1																																
QARB01		1534	1																																

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: BO # 14699

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by: <i>[Signature]</i>	Date: 5/6/09	Time: 1700	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
--	-----------------	---------------	--------------	-------	-------	------------------	-------	-------

Shipped Via: Fed Ex	Shipped Via:	QC Deliverables (Please Circle One): <input checked="" type="radio"/> Level 2 Level 3 Level 4 Site Specific				Date Due of Report:
Received for TestAmerica by: <i>[Signature]</i>	Date: 5/7/09	Time: 8:05	Temperature Upon Receipt: 4.3	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N	(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)



NSE0502
05/21/09 23 59

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax: (615) 726-3404

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

Client Telephone#: (865) 588-8544

Fax: (865) 588-8026

Site Address: 95 AMES ST

Sampler Name (Print) ANGELA ADAMS

City, State, Zip: ROCHESTER New York

Sampler Signature: *Angela Adams*

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative					Matrix				Analyze for						RUSH TAT (Pre Schedule) *															
							Methanol	Sodium Bisulfate	HCL	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other		(specify)	82803 Volatiles Organics	Carbon Dioxide SM-1500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B									
BR-15	5/14/09	0849	3	X	Z		X						X					X																			
BR-04	5/16/09	0923	↓																																		
TW-09		0957	↓																																		
OB-08		1034	↓																																		
OB-08		1038	2				X						X					X	X	X	X																
W-5		1125	3															X																			
W-5(DUP)		1127	↓																																		
OB-04		1303	↓																																		
OB-04		1309	5				X						X					X	X	X	X																
GAFB02		1322	3	↓	↓		X						X					X																			

10
11
12
13
14 (use VOC FOR RSK-175)
15
16
17
18
19

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: BO # 14699

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

* OB-08 please use excess VOC sample containers for RSK-175 did not collect independent 40ml

There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by: <i>Angela Adams</i>	Date: 5/14/09	Time: 1700	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Shipped Via: FED EX			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific		
Received for TestAmerica by: <i>[Signature]</i>			Date: 5/14/09	Time: 815	Temperature Upon Receipt: 4.3	Sample Containers Intact? Y N VOCs Free of Headspace? Y N		
						Date Due of Report:		
Project Manager or attach specific instructions								

Client: Joe Deatherage
MACTEC Engineering & Consulting
9725 Cogdill Road
Knoxville, TN 37932

Phone: (865) 218-1049

Fax: (865) 588-8026

Identifier: 016GE

Date Rec: 05/07/2009

Report Date: 05/28/2009

Client Project #: 3031-05-2006/09

Client Project Name: Former Taylor Instruments

Purchase Order #: 200904513

Analysis Requested: VFA

Comments:

Reviewed By:



NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

Analysis Summary Report

Sample Name:	Date Sampled	Date Received	Arrival Condition:	Metabolic Acids (mg/L)					
				Pyruvic	Lactic	Formic	Acetic	Propionic	Butyric
OB-08	05/06/2009	05/07/2009	Intact	<4	<0.1	<0.1	<0.1	<0.1	<0.1
OB-04	05/06/2009	05/07/2009	Intact	<4	<1	<1	236.5	4.3	3.2

Quality Control Report

Compound	MS Recovery %	MSD Recovery %	RPD %	LCS Recovery %
Pyruvic	95.2	93.5	1.7	84.4
Lactic	87.9	84.9	3.0	83.0
Formic	87.6	84.6	3.0	81.6
Acetic	96.6	93.5	3.1	90.0
Propionic	94.1	91.5	2.6	89.5
Butyric	96.5	92.1	4.4	91.7

OCTOBER 2009 SAMPLING EVENT

December 03, 2009 3:37:06PM

Client: MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn: Joe Deatherage

Work Order: NSJ2007
Project Name: Former Taylor Instruments
Project Nbr: 3031-05-2006-09
P/O Nbr: 200904507
Date Received: 10/22/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
BR-07	NSJ2007-01	10/19/09 10:47
BR-01	NSJ2007-02	10/19/09 11:25
BR-02	NSJ2007-03	10/19/09 12:05
TW-20	NSJ2007-04	10/19/09 13:25
TW-07	NSJ2007-05	10/19/09 14:14
TW-04	NSJ2007-06	10/19/09 15:05
BR-03	NSJ2007-07	10/19/09 15:35
BR-17	NSJ2007-08	10/19/09 16:30
BR-08	NSJ2007-09	10/20/09 08:46
BR-11	NSJ2007-10	10/20/09 09:24
BR-11 Dup	NSJ2007-11	10/20/09 09:24
OB-07	NSJ2007-12	10/20/09 10:13
OB-06	NSJ2007-13	10/20/09 10:48
BR-09	NSJ2007-14	10/20/09 11:25
TW-17	NSJ2007-15	10/20/09 12:54
BR-10	NSJ2007-16	10/20/09 13:52
OB-09	NSJ2007-17	10/20/09 14:35
BR-15	NSJ2007-18	10/20/09 15:26
QARB-01	NSJ2007-19	10/20/09 16:48
QARB-02	NSJ2007-20	10/20/09 16:43
QAFB01	NSJ2007-21	10/20/09 16:52
TW-09	NSJ2007-22	10/21/09 10:43
OB-08	NSJ2007-23	10/21/09 11:25
W-5	NSJ2007-24	10/21/09 13:05
W-5 Dup	NSJ2007-25	10/21/09 13:05
OB-04	NSJ2007-26	10/21/09 14:00

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSJ2007
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 10/22/09 08:00

QAFB-02	NSJ2007-27	10/21/09 14:23
BR-04	NSJ2007-28	10/21/09 08:46
OB-05	NSJ2007-29	10/21/09 09:21
BR-05	NSJ2007-30	10/21/09 10:10
QATB-01	NSJ2007-31	10/21/09 00:01

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

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:

Report revised 12/3/09 to add a comment to the Case Narrative. This Final Report supercedes the Final Report created on 11/4/09 13:47:

The project-specific sample NSJ2007-12 (OB-07) was used as MS/MSD for Volatiles batch 9103805. Recoveries of most of the analytes in the MSD were low compared to recoveries in the MS, causing a lack of acceptable reproducibility. Because the recoveries of the internal standards were within the acceptable ranges for both MS and MSD, the low recoveries in the MSD were not the result of a bad instrument purge. It is believed that the low recoveries were the result of a laboratory error in adding the spike mix to the MSD. The low recoveries have no bearing on the results for the actual sample analysis.

New York Certification Number: 11342

The Chain(s) of Custody, 5 pages, are included and are an integral part of this report.

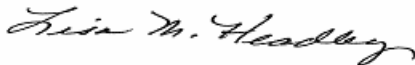
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Lisa Headley

Senior Project Manager

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-01 (BR-07 - Ground Water) Sampled: 10/19/09 10:47								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 14:56	SW846 8260B	9103393
Benzene	1.33		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Bromobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Bromoform	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Bromomethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
2-Butanone	ND		ug/L	50.0	1	10/22/09 14:56	SW846 8260B	9103393
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Chloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Chloroform	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Chloromethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Dibromomethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
cis-1,2-Dichloroethene	1.73		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
trans-1,2-Dichloroethene	5.82		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
2-Hexanone	ND		ug/L	50.0	1	10/22/09 14:56	SW846 8260B	9103393
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-01 (BR-07 - Ground Water) - cont. Sampled: 10/19/09 10:47								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 14:56	SW846 8260B	9103393
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 14:56	SW846 8260B	9103393
Naphthalene	ND		ug/L	5.00	1	10/22/09 14:56	SW846 8260B	9103393
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Styrene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Toluene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Trichloroethene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Vinyl chloride	4.49		ug/L	1.00	1	10/22/09 14:56	SW846 8260B	9103393
Xylenes, total	ND		ug/L	3.00	1	10/22/09 14:56	SW846 8260B	9103393
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>110 %</i>					<i>10/22/09 14:56</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>106 %</i>					<i>10/22/09 14:56</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>10/22/09 14:56</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>90 %</i>					<i>10/22/09 14:56</i>	<i>SW846 8260B</i>	<i>9103393</i>

Sample ID: NSJ2007-02 (BR-01 - Ground Water) Sampled: 10/19/09 11:25

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/22/09 15:21	SW846 8260B	9103393
Benzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Bromobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Bromoform	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Bromomethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
2-Butanone	ND		ug/L	50.0	1	10/22/09 15:21	SW846 8260B	9103393
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Chloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-02 (BR-01 - Ground Water) - cont. Sampled: 10/19/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Chloromethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Dibromomethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
cis-1,2-Dichloroethene	6.92		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
2-Hexanone	ND		ug/L	50.0	1	10/22/09 15:21	SW846 8260B	9103393
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 15:21	SW846 8260B	9103393
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 15:21	SW846 8260B	9103393
Naphthalene	ND		ug/L	5.00	1	10/22/09 15:21	SW846 8260B	9103393
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Styrene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Toluene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Trichloroethene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-02 (BR-01 - Ground Water) - cont. Sampled: 10/19/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 15:21	SW846 8260B	9103393
Xylenes, total	ND		ug/L	3.00	1	10/22/09 15:21	SW846 8260B	9103393
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>111 %</i>					<i>10/22/09 15:21</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>108 %</i>					<i>10/22/09 15:21</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>10/22/09 15:21</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>90 %</i>					<i>10/22/09 15:21</i>	<i>SW846 8260B</i>	<i>9103393</i>

Sample ID: NSJ2007-03 (BR-02 - Ground Water) Sampled: 10/19/09 12:05

Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 15:47	SW846 8260B	9103393
Benzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Bromobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Bromoform	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Bromomethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
2-Butanone	ND		ug/L	50.0	1	10/22/09 15:47	SW846 8260B	9103393
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Chloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Chloroform	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Chloromethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Dibromomethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
cis-1,2-Dichloroethene	100		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1-Dichloroethene	1.03		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
trans-1,2-Dichloroethene	13.4		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-03 (BR-02 - Ground Water) - cont. Sampled: 10/19/09 12:05								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
2-Hexanone	ND		ug/L	50.0	1	10/22/09 15:47	SW846 8260B	9103393
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 15:47	SW846 8260B	9103393
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 15:47	SW846 8260B	9103393
Naphthalene	ND		ug/L	5.00	1	10/22/09 15:47	SW846 8260B	9103393
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Styrene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Toluene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Trichloroethene	254		ug/L	10.0	10	10/23/09 11:36	SW846 8260B	9104017
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Vinyl chloride	1.22		ug/L	1.00	1	10/22/09 15:47	SW846 8260B	9103393
Xylenes, total	ND		ug/L	3.00	1	10/22/09 15:47	SW846 8260B	9103393
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>107 %</i>					<i>10/22/09 15:47</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>113 %</i>					<i>10/23/09 11:36</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>102 %</i>					<i>10/22/09 15:47</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>108 %</i>					<i>10/23/09 11:36</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>96 %</i>					<i>10/22/09 15:47</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>96 %</i>					<i>10/23/09 11:36</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>90 %</i>					<i>10/22/09 15:47</i>	<i>SW846 8260B</i>	<i>9103393</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/23/09 11:36</i>	<i>SW846 8260B</i>	<i>9104017</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-04 (TW-20 - Ground Water) Sampled: 10/19/09 13:25								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 20:48	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 20:48	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
cis-1,2-Dichloroethene	5.50		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 20:48	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-04 (TW-20 - Ground Water) - cont. Sampled: 10/19/09 13:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 20:48	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 20:48	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 20:48	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Trichloroethene	78.8		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 20:48	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 20:48	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>109 %</i>					<i>10/22/09 20:48</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>107 %</i>					<i>10/22/09 20:48</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>96 %</i>					<i>10/22/09 20:48</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/22/09 20:48</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-05 (TW-07 - Ground Water) Sampled: 10/19/09 14:14

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/22/09 21:13	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 21:13	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-05 (TW-07 - Ground Water) - cont. Sampled: 10/19/09 14:14								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
cis-1,2-Dichloroethene	2.47		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
trans-1,2-Dichloroethene	2.20		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 21:13	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 21:13	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 21:13	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 21:13	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Trichloroethene	14.7		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-05 (TW-07 - Ground Water) - cont. Sampled: 10/19/09 14:14								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 21:13	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 21:13	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>110 %</i>					<i>10/22/09 21:13</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>108 %</i>					<i>10/22/09 21:13</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>10/22/09 21:13</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/22/09 21:13</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-06 (TW-04 - Ground Water) Sampled: 10/19/09 15:05

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 21:38	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 21:38	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-06 (TW-04 - Ground Water) - cont. Sampled: 10/19/09 15:05								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 21:38	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 21:38	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 21:38	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 21:38	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Trichloroethene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 21:38	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 21:38	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>111 %</i>					<i>10/22/09 21:38</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/22/09 21:38</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>10/22/09 21:38</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/22/09 21:38</i>	<i>SW846 8260B</i>	<i>9103805</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-07 (BR-03 - Ground Water) Sampled: 10/19/09 15:35								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 22:03	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 22:03	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
cis-1,2-Dichloroethene	29.3		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1-Dichloroethene	2.05		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
trans-1,2-Dichloroethene	1.02		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 22:03	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-07 (BR-03 - Ground Water) - cont. Sampled: 10/19/09 15:35								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 22:03	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 22:03	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 22:03	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Trichloroethene	365		ug/L	10.0	10	10/23/09 12:01	SW846 8260B	9104017
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 22:03	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 22:03	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>109 %</i>					<i>10/22/09 22:03</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>114 %</i>					<i>10/23/09 12:01</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>107 %</i>					<i>10/22/09 22:03</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>110 %</i>					<i>10/23/09 12:01</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>95 %</i>					<i>10/22/09 22:03</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>97 %</i>					<i>10/23/09 12:01</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/22/09 22:03</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 12:01</i>	<i>SW846 8260B</i>	<i>9104017</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-08 (BR-17 - Ground Water) Sampled: 10/19/09 16:30								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 10:46	SW846 8260B	9104017
Benzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Bromobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Bromoform	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Bromomethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
2-Butanone	ND		ug/L	50.0	1	10/23/09 10:46	SW846 8260B	9104017
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Chloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Chloroform	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Chloromethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Dibromomethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
cis-1,2-Dichloroethene	4.42		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
2-Hexanone	ND		ug/L	50.0	1	10/23/09 10:46	SW846 8260B	9104017
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-08 (BR-17 - Ground Water) - cont. Sampled: 10/19/09 16:30								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 10:46	SW846 8260B	9104017
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 10:46	SW846 8260B	9104017
Naphthalene	ND		ug/L	5.00	1	10/23/09 10:46	SW846 8260B	9104017
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Styrene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Toluene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Trichloroethene	4.27		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 10:46	SW846 8260B	9104017
Xylenes, total	ND		ug/L	3.00	1	10/23/09 10:46	SW846 8260B	9104017
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>113 %</i>					<i>10/23/09 10:46</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>110 %</i>					<i>10/23/09 10:46</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>10/23/09 10:46</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 10:46</i>	<i>SW846 8260B</i>	<i>9104017</i>

Sample ID: NSJ2007-09 (BR-08 - Ground Water) Sampled: 10/20/09 08:46

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/23/09 11:11	SW846 8260B	9104017
Benzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Bromobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Bromoform	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Bromomethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
2-Butanone	ND		ug/L	50.0	1	10/23/09 11:11	SW846 8260B	9104017
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Chloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-09 (BR-08 - Ground Water) - cont. Sampled: 10/20/09 08:46								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Chloromethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Dibromomethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
cis-1,2-Dichloroethene	42.8		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
trans-1,2-Dichloroethene	2.22		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
2-Hexanone	ND		ug/L	50.0	1	10/23/09 11:11	SW846 8260B	9104017
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 11:11	SW846 8260B	9104017
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 11:11	SW846 8260B	9104017
Naphthalene	ND		ug/L	5.00	1	10/23/09 11:11	SW846 8260B	9104017
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Styrene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Toluene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Trichloroethene	2.30		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-09 (BR-08 - Ground Water) - cont. Sampled: 10/20/09 08:46								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Vinyl chloride	3.21		ug/L	1.00	1	10/23/09 11:11	SW846 8260B	9104017
Xylenes, total	ND		ug/L	3.00	1	10/23/09 11:11	SW846 8260B	9104017
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>111 %</i>					<i>10/23/09 11:11</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>105 %</i>					<i>10/23/09 11:11</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>10/23/09 11:11</i>	<i>SW846 8260B</i>	<i>9104017</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 11:11</i>	<i>SW846 8260B</i>	<i>9104017</i>

Sample ID: NSJ2007-10 (BR-11 - Ground Water) Sampled: 10/20/09 09:24

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 23:18	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 23:18	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1-Dichloroethane	1.43		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
cis-1,2-Dichloroethene	71.4		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
trans-1,2-Dichloroethene	7.38		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-10 (BR-11 - Ground Water) - cont. Sampled: 10/20/09 09:24								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 23:18	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 23:18	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 23:18	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 23:18	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Trichloroethene	21.1		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 23:18	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 23:18	SW846 8260B	9103805
Surr: 1,2-Dichloroethane-d4 (63-140%)	109 %					10/22/09 23:18	SW846 8260B	9103805
Surr: Dibromofluoromethane (73-131%)	103 %					10/22/09 23:18	SW846 8260B	9103805
Surr: Toluene-d8 (80-120%)	97 %					10/22/09 23:18	SW846 8260B	9103805
Surr: 4-Bromofluorobenzene (79-125%)	88 %					10/22/09 23:18	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-11 (BR-11 Dup - Ground Water) Sampled: 10/20/09 09:24								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 23:43	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/22/09 23:43	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
cis-1,2-Dichloroethene	81.6		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
trans-1,2-Dichloroethene	8.47		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/22/09 23:43	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-11 (BR-11 Dup - Ground Water) - cont. Sampled: 10/20/09 09:24								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 23:43	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 23:43	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/22/09 23:43	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Trichloroethene	23.7		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 23:43	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/22/09 23:43	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>108 %</i>					<i>10/22/09 23:43</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>103 %</i>					<i>10/22/09 23:43</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>97 %</i>					<i>10/22/09 23:43</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/22/09 23:43</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-12 (OB-07 - Ground Water) Sampled: 10/20/09 10:13

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 00:08	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Bromobenzene	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 00:08	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Chlorobenzene	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-12 (OB-07 - Ground Water) - cont. Sampled: 10/20/09 10:13								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
4-Chlorotoluene	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,4-Dichlorobenzene	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2-Dichlorobenzene	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
cis-1,2-Dichloroethene	1.10		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,3-Dichloropropane	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2-Dichloropropane	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 00:08	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Methylene Chloride	ND	M8	ug/L	5.00	1	10/23/09 00:08	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 00:08	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 00:08	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1,2-Trichloroethane	ND	M8	ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Trichloroethene	13.3		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-12 (OB-07 - Ground Water) - cont. Sampled: 10/20/09 10:13								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 00:08	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 00:08	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>111 %</i>					<i>10/23/09 00:08</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/23/09 00:08</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>10/23/09 00:08</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 00:08</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-13 (OB-06 - Ground Water) Sampled: 10/20/09 10:48

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 00:34	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 00:34	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
cis-1,2-Dichloroethene	12.6		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-13 (OB-06 - Ground Water) - cont. Sampled: 10/20/09 10:48								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 00:34	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 00:34	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 00:34	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 00:34	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Trichloroethene	121		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 00:34	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 00:34	SW846 8260B	9103805
Surr: 1,2-Dichloroethane-d4 (63-140%)	110 %					10/23/09 00:34	SW846 8260B	9103805
Surr: Dibromofluoromethane (73-131%)	108 %					10/23/09 00:34	SW846 8260B	9103805
Surr: Toluene-d8 (80-120%)	96 %					10/23/09 00:34	SW846 8260B	9103805
Surr: 4-Bromofluorobenzene (79-125%)	89 %					10/23/09 00:34	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-14 (BR-09 - Ground Water) Sampled: 10/20/09 11:25								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 00:59	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 00:59	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
cis-1,2-Dichloroethene	7.97		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 00:59	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-14 (BR-09 - Ground Water) - cont. Sampled: 10/20/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 00:59	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 00:59	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 00:59	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Trichloroethene	3.37		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 00:59	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 00:59	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>111 %</i>					<i>10/23/09 00:59</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/23/09 00:59</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>97 %</i>					<i>10/23/09 00:59</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 00:59</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-15 (TW-17 - Ground Water) Sampled: 10/20/09 12:54

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/23/09 01:24	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 01:24	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-15 (TW-17 - Ground Water) - cont. Sampled: 10/20/09 12:54								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
cis-1,2-Dichloroethene	199		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
trans-1,2-Dichloroethene	5.92		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 01:24	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 01:24	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 01:24	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 01:24	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Trichloroethene	94.0		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-15 (TW-17 - Ground Water) - cont. Sampled: 10/20/09 12:54								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 01:24	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 01:24	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>105 %</i>					<i>10/23/09 01:24</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>99 %</i>					<i>10/23/09 01:24</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>96 %</i>					<i>10/23/09 01:24</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 01:24</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-16 (BR-10 - Ground Water) Sampled: 10/20/09 13:52

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 01:49	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 01:49	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
cis-1,2-Dichloroethene	22.0		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
trans-1,2-Dichloroethene	2.79		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-16 (BR-10 - Ground Water) - cont. Sampled: 10/20/09 13:52								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 01:49	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 01:49	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 01:49	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 01:49	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Trichloroethene	48.0		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 01:49	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 01:49	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>110 %</i>					<i>10/23/09 01:49</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/23/09 01:49</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>97 %</i>					<i>10/23/09 01:49</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 01:49</i>	<i>SW846 8260B</i>	<i>9103805</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-17 (OB-09 - Ground Water) Sampled: 10/20/09 14:35								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 02:14	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 02:14	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
cis-1,2-Dichloroethene	1.84		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 02:14	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-17 (OB-09 - Ground Water) - cont. Sampled: 10/20/09 14:35								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 02:14	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 02:14	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 02:14	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Trichloroethene	82.9		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 02:14	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 02:14	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>110 %</i>					<i>10/23/09 02:14</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/23/09 02:14</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>96 %</i>					<i>10/23/09 02:14</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/23/09 02:14</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-18 (BR-15 - Ground Water) Sampled: 10/20/09 15:26

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 02:39	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 02:39	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-18 (BR-15 - Ground Water) - cont. Sampled: 10/20/09 15:26								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
cis-1,2-Dichloroethene	19.3		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 02:39	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 02:39	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 02:39	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 02:39	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Trichloroethene	38.0		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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Work Order: NSJ2007
 Project Name: Former Taylor Instruments
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 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-18 (BR-15 - Ground Water) - cont. Sampled: 10/20/09 15:26								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 02:39	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 02:39	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>112 %</i>					<i>10/23/09 02:39</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>109 %</i>					<i>10/23/09 02:39</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>97 %</i>					<i>10/23/09 02:39</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>88 %</i>					<i>10/23/09 02:39</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-19 (QARB-01 - Ground Water) Sampled: 10/20/09 16:48

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 03:04	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 03:04	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-19 (QARB-01 - Ground Water) - cont. Sampled: 10/20/09 16:48								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 03:04	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 03:04	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 03:04	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 03:04	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Trichloroethene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 03:04	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 03:04	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>112 %</i>					<i>10/23/09 03:04</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>111 %</i>					<i>10/23/09 03:04</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>98 %</i>					<i>10/23/09 03:04</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/23/09 03:04</i>	<i>SW846 8260B</i>	<i>9103805</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-20 (QARB-02 - Ground Water) Sampled: 10/20/09 16:43								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/23/09 03:29	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 03:29	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Chloroform	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 03:29	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-20 (QARB-02 - Ground Water) - cont. Sampled: 10/20/09 16:43								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 03:29	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 03:29	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 03:29	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Trichloroethene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 03:29	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 03:29	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>112 %</i>					<i>10/23/09 03:29</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>111 %</i>					<i>10/23/09 03:29</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>10/23/09 03:29</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/23/09 03:29</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-21 (QAFB01 - Ground Water) Sampled: 10/20/09 16:52

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/23/09 03:54	SW846 8260B	9103805
Benzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Bromobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Bromochloromethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Bromodichloromethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Bromoform	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Bromomethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
2-Butanone	ND		ug/L	50.0	1	10/23/09 03:54	SW846 8260B	9103805
sec-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
n-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
tert-Butylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Carbon disulfide	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Carbon Tetrachloride	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Chlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Chlorodibromomethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Chloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-21 (QAFB01 - Ground Water) - cont. Sampled: 10/20/09 16:52								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Chloromethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
2-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
4-Chlorotoluene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Dibromomethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2-Dichloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,3-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
2,2-Dichloropropane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1-Dichloropropene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Ethylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Hexachlorobutadiene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
2-Hexanone	ND		ug/L	50.0	1	10/23/09 03:54	SW846 8260B	9103805
Isopropylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
p-Isopropyltoluene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Methylene Chloride	ND		ug/L	5.00	1	10/23/09 03:54	SW846 8260B	9103805
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/23/09 03:54	SW846 8260B	9103805
Naphthalene	ND		ug/L	5.00	1	10/23/09 03:54	SW846 8260B	9103805
n-Propylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Styrene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Tetrachloroethene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Toluene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Trichloroethene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Trichlorofluoromethane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-21 (QAFB01 - Ground Water) - cont. Sampled: 10/20/09 16:52								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Vinyl chloride	ND		ug/L	1.00	1	10/23/09 03:54	SW846 8260B	9103805
Xylenes, total	ND		ug/L	3.00	1	10/23/09 03:54	SW846 8260B	9103805
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>112 %</i>					<i>10/23/09 03:54</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>111 %</i>					<i>10/23/09 03:54</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>99 %</i>					<i>10/23/09 03:54</i>	<i>SW846 8260B</i>	<i>9103805</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>89 %</i>					<i>10/23/09 03:54</i>	<i>SW846 8260B</i>	<i>9103805</i>

Sample ID: NSJ2007-22 (TW-09 - Ground Water) Sampled: 10/21/09 10:43

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 14:40	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 14:40	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
cis-1,2-Dichloroethene	34.4		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
trans-1,2-Dichloroethene	34.6		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-22 (TW-09 - Ground Water) - cont. Sampled: 10/21/09 10:43								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 14:40	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 14:40	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 14:40	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 14:40	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Trichloroethene	82.9		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 14:40	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 14:40	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>104 %</i>					<i>10/22/09 14:40</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>98 %</i>					<i>10/22/09 14:40</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>104 %</i>					<i>10/22/09 14:40</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>106 %</i>					<i>10/22/09 14:40</i>	<i>SW846 8260B</i>	<i>9103817</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-23 (OB-08 - Ground Water) Sampled: 10/21/09 11:25								
General Chemistry Parameters								
Carbon Dioxide	ND	A-01, HTI	mg/L	5.00	1	11/04/09 11:46	SM 4500CO2 C	9110407
Total Organic Carbon	5.85		mg/L	1.00	1	10/29/09 14:53	SM5310 B	9104989
Methane, Ethane, and Ethene by GC								
Ethene	312		ug/L	26.0	1	10/26/09 14:40	RSK 175	9103840
Methane	12000		ug/L	130	5	10/26/09 15:02	RSK 175	9103840
<i>Surr: Acetylene (70-122%)</i>	<i>104 %</i>					<i>10/26/09 14:40</i>	<i>RSK 175</i>	<i>9103840</i>
<i>Surr: Acetylene (70-122%)</i>	<i>104 %</i>					<i>10/26/09 14:40</i>	<i>RSK 175</i>	<i>9103840</i>
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 15:07	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 15:07	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
cis-1,2-Dichloroethene	35.2		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
trans-1,2-Dichloroethene	12.4		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-23 (OB-08 - Ground Water) - cont. Sampled: 10/21/09 11:25								
Volatile Organic Compounds by EPA Method 8260B - cont.								
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 15:07	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 15:07	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 15:07	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 15:07	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Trichloroethene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Vinyl chloride	111		ug/L	1.00	1	10/22/09 15:07	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 15:07	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>107 %</i>					<i>10/22/09 15:07</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>96 %</i>					<i>10/22/09 15:07</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>102 %</i>					<i>10/22/09 15:07</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>106 %</i>					<i>10/22/09 15:07</i>	<i>SW846 8260B</i>	<i>9103817</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-24 (W-5 - Ground Water) Sampled: 10/21/09 13:05								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 15:33	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 15:33	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
cis-1,2-Dichloroethene	59.9		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
trans-1,2-Dichloroethene	1.55		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 15:33	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-24 (W-5 - Ground Water) - cont. Sampled: 10/21/09 13:05								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 15:33	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 15:33	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 15:33	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Trichloroethene	664		ug/L	10.0	10	10/23/09 16:07	SW846 8260B	9103928
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Vinyl chloride	5.39		ug/L	1.00	1	10/22/09 15:33	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 15:33	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>106 %</i>					<i>10/22/09 15:33</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>106 %</i>					<i>10/23/09 16:07</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>100 %</i>					<i>10/22/09 15:33</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>95 %</i>					<i>10/23/09 16:07</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>104 %</i>					<i>10/22/09 15:33</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>108 %</i>					<i>10/23/09 16:07</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>104 %</i>					<i>10/22/09 15:33</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>110 %</i>					<i>10/23/09 16:07</i>	<i>SW846 8260B</i>	<i>9103928</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-25 (W-5 Dup - Ground Water) Sampled: 10/21/09 13:05								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 16:00	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 16:00	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
cis-1,2-Dichloroethene	68.2		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
trans-1,2-Dichloroethene	1.61		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 16:00	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-25 (W-5 Dup - Ground Water) - cont. Sampled: 10/21/09 13:05								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 16:00	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 16:00	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 16:00	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Trichloroethene	642		ug/L	10.0	10	10/23/09 16:34	SW846 8260B	9103928
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Vinyl chloride	7.42		ug/L	1.00	1	10/22/09 16:00	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 16:00	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>103 %</i>					<i>10/22/09 16:00</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>109 %</i>					<i>10/23/09 16:34</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>95 %</i>					<i>10/22/09 16:00</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>99 %</i>					<i>10/23/09 16:34</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>104 %</i>					<i>10/22/09 16:00</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>107 %</i>					<i>10/23/09 16:34</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>103 %</i>					<i>10/22/09 16:00</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>107 %</i>					<i>10/23/09 16:34</i>	<i>SW846 8260B</i>	<i>9103928</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
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 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-26 (OB-04 - Ground Water) Sampled: 10/21/09 14:00								
General Chemistry Parameters								
Carbon Dioxide	28.3	HTI	mg/L	5.00	1	11/04/09 11:46	SM 4500CO2 C	9110407
Total Organic Carbon	53.8		mg/L	1.00	1	10/28/09 13:56	SM5310 B	9104570
Methane, Ethane, and Ethene by GC								
Ethene	187		ug/L	26.0	1	10/26/09 14:42	RSK 175	9103840
Methane	11900		ug/L	130	5	10/26/09 15:04	RSK 175	9103840
Surr: Acetylene (70-122%)	103 %					10/26/09 14:42	RSK 175	9103840
Surr: Acetylene (70-122%)	103 %					10/26/09 14:42	RSK 175	9103840
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 16:27	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 16:27	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
cis-1,2-Dichloroethene	59.6		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817

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ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-26 (OB-04 - Ground Water) - cont. Sampled: 10/21/09 14:00								
Volatile Organic Compounds by EPA Method 8260B - cont.								
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 16:27	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 16:27	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 16:27	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 16:27	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Trichloroethene	32.8		ug/L	1.00	1	10/23/09 13:53	SW846 8260B	9103928
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Vinyl chloride	49.8		ug/L	1.00	1	10/22/09 16:27	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 16:27	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>104 %</i>					<i>10/22/09 16:27</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>110 %</i>					<i>10/23/09 13:53</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>96 %</i>					<i>10/22/09 16:27</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>96 %</i>					<i>10/23/09 13:53</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>106 %</i>					<i>10/22/09 16:27</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>107 %</i>					<i>10/23/09 13:53</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>101 %</i>					<i>10/22/09 16:27</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>111 %</i>					<i>10/23/09 13:53</i>	<i>SW846 8260B</i>	<i>9103928</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-27 (QAFB-02 - Ground Water) Sampled: 10/21/09 14:23								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 16:54	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 16:54	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 16:54	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-27 (QAFB-02 - Ground Water) - cont. Sampled: 10/21/09 14:23								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 16:54	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 16:54	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 16:54	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Trichloroethene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 16:54	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 16:54	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>104 %</i>					<i>10/22/09 16:54</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>98 %</i>					<i>10/22/09 16:54</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>106 %</i>					<i>10/22/09 16:54</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>102 %</i>					<i>10/22/09 16:54</i>	<i>SW846 8260B</i>	<i>9103817</i>

Sample ID: NSJ2007-28 (BR-04 - Ground Water) Sampled: 10/21/09 08:46

Volatile Organic Compounds by EPA Method 8260B

Acetone	ND		ug/L	50.0	1	10/22/09 17:21	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 17:21	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
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 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-28 (BR-04 - Ground Water) - cont. Sampled: 10/21/09 08:46								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
cis-1,2-Dichloroethene	167		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
trans-1,2-Dichloroethene	5.24		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 17:21	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 17:21	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 17:21	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 17:21	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Trichloroethene	25.1		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-28 (BR-04 - Ground Water) - cont. Sampled: 10/21/09 08:46								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Vinyl chloride	1.72		ug/L	1.00	1	10/22/09 17:21	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 17:21	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>102 %</i>					<i>10/22/09 17:21</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>97 %</i>					<i>10/22/09 17:21</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>105 %</i>					<i>10/22/09 17:21</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>106 %</i>					<i>10/22/09 17:21</i>	<i>SW846 8260B</i>	<i>9103817</i>

Sample ID: NSJ2007-29 (OB-05 - Ground Water) Sampled: 10/21/09 09:21

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 17:47	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 17:47	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
cis-1,2-Dichloroethene	3.45		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-29 (OB-05 - Ground Water) - cont. Sampled: 10/21/09 09:21								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 17:47	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 17:47	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 17:47	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 17:47	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Tetrachloroethene	1.48		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Trichloroethene	364		ug/L	10.0	10	10/23/09 17:01	SW846 8260B	9103928
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 17:47	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 17:47	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>106 %</i>					<i>10/22/09 17:47</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>101 %</i>					<i>10/23/09 17:01</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>95 %</i>					<i>10/22/09 17:47</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>93 %</i>					<i>10/23/09 17:01</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>107 %</i>					<i>10/22/09 17:47</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>106 %</i>					<i>10/23/09 17:01</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>107 %</i>					<i>10/22/09 17:47</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>111 %</i>					<i>10/23/09 17:01</i>	<i>SW846 8260B</i>	<i>9103928</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-30 (BR-05 - Ground Water) Sampled: 10/21/09 10:10								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 18:14	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 18:14	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
cis-1,2-Dichloroethene	42.9		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
trans-1,2-Dichloroethene	2.19		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 18:14	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-30 (BR-05 - Ground Water) - cont. Sampled: 10/21/09 10:10								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 18:14	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 18:14	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 18:14	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Trichloroethene	3.16		ug/L	1.00	1	10/23/09 14:19	SW846 8260B	9103928
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Vinyl chloride	2.53		ug/L	1.00	1	10/22/09 18:14	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 18:14	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>104 %</i>					<i>10/22/09 18:14</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>104 %</i>					<i>10/23/09 14:19</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>96 %</i>					<i>10/22/09 18:14</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>95 %</i>					<i>10/23/09 14:19</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>103 %</i>					<i>10/22/09 18:14</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>105 %</i>					<i>10/23/09 14:19</i>	<i>SW846 8260B</i>	<i>9103928</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>106 %</i>					<i>10/22/09 18:14</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>113 %</i>					<i>10/23/09 14:19</i>	<i>SW846 8260B</i>	<i>9103928</i>

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-31 (QATB-01 - Ground Water) Sampled: 10/21/09 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	10/22/09 14:13	SW846 8260B	9103817
Benzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Bromobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Bromochloromethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Bromodichloromethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Bromoform	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Bromomethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
2-Butanone	ND		ug/L	50.0	1	10/22/09 14:13	SW846 8260B	9103817
sec-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
n-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
tert-Butylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Carbon disulfide	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Carbon Tetrachloride	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Chlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Chlorodibromomethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Chloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Chloroform	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Chloromethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
2-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
4-Chlorotoluene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Dibromomethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,4-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,3-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2-Dichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Dichlorodifluoromethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2-Dichloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1-Dichloroethene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,3-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
2,2-Dichloropropane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1-Dichloropropene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Ethylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Hexachlorobutadiene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
2-Hexanone	ND		ug/L	50.0	1	10/22/09 14:13	SW846 8260B	9103817
Isopropylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
p-Isopropyltoluene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
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Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ2007-31 (QATB-01 - Ground Water) - cont. Sampled: 10/21/09 00:01								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Methylene Chloride	ND		ug/L	5.00	1	10/22/09 14:13	SW846 8260B	9103817
4-Methyl-2-pentanone	ND		ug/L	10.0	1	10/22/09 14:13	SW846 8260B	9103817
Naphthalene	ND		ug/L	5.00	1	10/22/09 14:13	SW846 8260B	9103817
n-Propylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Styrene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Tetrachloroethene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Toluene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1,2-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,1,1-Trichloroethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Trichloroethene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Trichlorofluoromethane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2,3-Trichloropropane	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Vinyl chloride	ND		ug/L	1.00	1	10/22/09 14:13	SW846 8260B	9103817
Xylenes, total	ND		ug/L	3.00	1	10/22/09 14:13	SW846 8260B	9103817
<i>Surr: 1,2-Dichloroethane-d4 (63-140%)</i>	<i>100 %</i>					<i>10/22/09 14:13</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Dibromofluoromethane (73-131%)</i>	<i>94 %</i>					<i>10/22/09 14:13</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: Toluene-d8 (80-120%)</i>	<i>104 %</i>					<i>10/22/09 14:13</i>	<i>SW846 8260B</i>	<i>9103817</i>
<i>Surr: 4-Bromofluorobenzene (79-125%)</i>	<i>106 %</i>					<i>10/22/09 14:13</i>	<i>SW846 8260B</i>	<i>9103817</i>

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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
9104570-BLK1						
Total Organic Carbon	0.973		mg/L	9104570	9104570-BLK1	10/28/09 13:56
9104989-BLK1						
Total Organic Carbon	0.840		mg/L	9104989	9104989-BLK1	10/29/09 14:53
9110407-BLK1						
Carbon Dioxide	<2.40	HTI	mg/L	9110407	9110407-BLK1	11/04/09 11:46
Methane, Ethane, and Ethene by GC						
9103840-BLK1						
Ethene	<10.0		ug/L	9103840	9103840-BLK1	10/26/09 13:33
Methane	<10.0		ug/L	9103840	9103840-BLK1	10/26/09 13:33
Surrogate: Acetylene	109%			9103840	9103840-BLK1	10/26/09 13:33
Surrogate: Acetylene	109%			9103840	9103840-BLK1	10/26/09 13:33
Volatile Organic Compounds by EPA Method 8260B						
9103393-BLK1						
Acetone	<25.0		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Benzene	<0.410		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Bromobenzene	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Bromochloromethane	<0.470		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Bromodichloromethane	<0.270		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Bromoform	<0.430		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Bromomethane	<0.300		ug/L	9103393	9103393-BLK1	10/22/09 09:06
2-Butanone	<2.10		ug/L	9103393	9103393-BLK1	10/22/09 09:06
sec-Butylbenzene	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
n-Butylbenzene	<0.310		ug/L	9103393	9103393-BLK1	10/22/09 09:06
tert-Butylbenzene	<0.380		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Carbon disulfide	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Carbon Tetrachloride	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Chlorobenzene	<0.220		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Chlorodibromomethane	<0.260		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Chloroethane	<0.460		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Chloroform	<0.250		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Chloromethane	<0.390		ug/L	9103393	9103393-BLK1	10/22/09 09:06
2-Chlorotoluene	<0.510		ug/L	9103393	9103393-BLK1	10/22/09 09:06
4-Chlorotoluene	<0.510		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2-Dibromoethane (EDB)	<0.460		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Dibromomethane	<0.410		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,4-Dichlorobenzene	<0.430		ug/L	9103393	9103393-BLK1	10/22/09 09:06

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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103393-BLK1						
1,3-Dichlorobenzene	<0.320		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2-Dichlorobenzene	<0.400		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Dichlorodifluoromethane	<0.190		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1-Dichloroethane	<0.340		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2-Dichloroethane	<0.350		ug/L	9103393	9103393-BLK1	10/22/09 09:06
cis-1,2-Dichloroethene	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1-Dichloroethene	<0.220		ug/L	9103393	9103393-BLK1	10/22/09 09:06
trans-1,2-Dichloroethene	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,3-Dichloropropane	<0.270		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2-Dichloropropane	<0.240		ug/L	9103393	9103393-BLK1	10/22/09 09:06
2,2-Dichloropropane	<0.300		ug/L	9103393	9103393-BLK1	10/22/09 09:06
cis-1,3-Dichloropropene	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
trans-1,3-Dichloropropene	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1-Dichloropropene	<0.260		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Ethylbenzene	<0.350		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Hexachlorobutadiene	<0.790		ug/L	9103393	9103393-BLK1	10/22/09 09:06
2-Hexanone	<1.40		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Isopropylbenzene	<0.400		ug/L	9103393	9103393-BLK1	10/22/09 09:06
p-Isopropyltoluene	<0.330		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Methyl tert-Butyl Ether	<0.320		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Methylene Chloride	0.960		ug/L	9103393	9103393-BLK1	10/22/09 09:06
4-Methyl-2-pentanone	<1.40		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Naphthalene	<0.380		ug/L	9103393	9103393-BLK1	10/22/09 09:06
n-Propylbenzene	<0.390		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Styrene	<0.260		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1,1,2-Tetrachloroethane	<0.200		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1,2,2-Tetrachloroethane	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Tetrachloroethene	<0.320		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Toluene	<0.350		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2,3-Trichlorobenzene	0.460		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2,4-Trichlorobenzene	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1,2-Trichloroethane	<0.320		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,1,1-Trichloroethane	<0.190		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Trichloroethene	<0.260		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Trichlorofluoromethane	<0.220		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2,3-Trichloropropane	<0.470		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,3,5-Trimethylbenzene	<0.360		ug/L	9103393	9103393-BLK1	10/22/09 09:06
1,2,4-Trimethylbenzene	<0.320		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Vinyl chloride	<0.220		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Xylenes, total	<0.730		ug/L	9103393	9103393-BLK1	10/22/09 09:06
Surrogate: 1,2-Dichloroethane-d4	108%			9103393	9103393-BLK1	10/22/09 09:06

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PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103393-BLK1						
Surrogate: Dibromofluoromethane	109%			9103393	9103393-BLK1	10/22/09 09:06
Surrogate: Toluene-d8	99%			9103393	9103393-BLK1	10/22/09 09:06
Surrogate: 4-Bromofluorobenzene	91%			9103393	9103393-BLK1	10/22/09 09:06
9103805-BLK1						
Acetone	<25.0		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Benzene	<0.410		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Bromobenzene	<0.360		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Bromochloromethane	<0.470		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Bromodichloromethane	<0.270		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Bromoform	<0.430		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Bromomethane	<0.300		ug/L	9103805	9103805-BLK1	10/22/09 20:23
2-Butanone	<2.10		ug/L	9103805	9103805-BLK1	10/22/09 20:23
sec-Butylbenzene	<0.360		ug/L	9103805	9103805-BLK1	10/22/09 20:23
n-Butylbenzene	<0.310		ug/L	9103805	9103805-BLK1	10/22/09 20:23
tert-Butylbenzene	<0.380		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Carbon disulfide	<0.360		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Carbon Tetrachloride	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Chlorobenzene	<0.220		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Chlorodibromomethane	<0.260		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Chloroethane	<0.460		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Chloroform	<0.250		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Chloromethane	<0.390		ug/L	9103805	9103805-BLK1	10/22/09 20:23
2-Chlorotoluene	<0.510		ug/L	9103805	9103805-BLK1	10/22/09 20:23
4-Chlorotoluene	<0.510		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2-Dibromoethane (EDB)	<0.460		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Dibromomethane	<0.410		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,4-Dichlorobenzene	<0.430		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,3-Dichlorobenzene	<0.320		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2-Dichlorobenzene	<0.400		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Dichlorodifluoromethane	<0.190		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1-Dichloroethane	<0.340		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2-Dichloroethane	<0.350		ug/L	9103805	9103805-BLK1	10/22/09 20:23
cis-1,2-Dichloroethene	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1-Dichloroethene	<0.220		ug/L	9103805	9103805-BLK1	10/22/09 20:23
trans-1,2-Dichloroethene	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,3-Dichloropropane	<0.270		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2-Dichloropropane	<0.240		ug/L	9103805	9103805-BLK1	10/22/09 20:23
2,2-Dichloropropane	<0.300		ug/L	9103805	9103805-BLK1	10/22/09 20:23
cis-1,3-Dichloropropene	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23

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PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103805-BLK1						
trans-1,3-Dichloropropene	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1-Dichloropropene	<0.260		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Ethylbenzene	<0.350		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Hexachlorobutadiene	<0.790		ug/L	9103805	9103805-BLK1	10/22/09 20:23
2-Hexanone	<1.40		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Isopropylbenzene	<0.400		ug/L	9103805	9103805-BLK1	10/22/09 20:23
p-Isopropyltoluene	<0.330		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Methyl tert-Butyl Ether	<0.320		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Methylene Chloride	1.00		ug/L	9103805	9103805-BLK1	10/22/09 20:23
4-Methyl-2-pentanone	<1.40		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Naphthalene	<0.380		ug/L	9103805	9103805-BLK1	10/22/09 20:23
n-Propylbenzene	<0.390		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Styrene	<0.260		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1,1,2-Tetrachloroethane	<0.200		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1,2,2-Tetrachloroethane	<0.360		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Tetrachloroethene	<0.320		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Toluene	<0.350		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2,3-Trichlorobenzene	0.460		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2,4-Trichlorobenzene	0.370		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1,2-Trichloroethane	<0.320		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,1,1-Trichloroethane	<0.190		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Trichloroethene	<0.260		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Trichlorofluoromethane	<0.220		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2,3-Trichloropropane	<0.470		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,3,5-Trimethylbenzene	<0.360		ug/L	9103805	9103805-BLK1	10/22/09 20:23
1,2,4-Trimethylbenzene	<0.320		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Vinyl chloride	<0.220		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Xylenes, total	<0.730		ug/L	9103805	9103805-BLK1	10/22/09 20:23
Surrogate: 1,2-Dichloroethane-d4	110%			9103805	9103805-BLK1	10/22/09 20:23
Surrogate: Dibromofluoromethane	109%			9103805	9103805-BLK1	10/22/09 20:23
Surrogate: Toluene-d8	99%			9103805	9103805-BLK1	10/22/09 20:23
Surrogate: 4-Bromofluorobenzene	90%			9103805	9103805-BLK1	10/22/09 20:23
9103817-BLK1						
Acetone	<25.0		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Benzene	<0.410		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Bromobenzene	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Bromochloromethane	<0.470		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Bromodichloromethane	<0.270		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Bromoform	<0.430		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Bromomethane	<0.300		ug/L	9103817	9103817-BLK1	10/22/09 12:29

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
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Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103817-BLK1						
2-Butanone	<2.10		ug/L	9103817	9103817-BLK1	10/22/09 12:29
sec-Butylbenzene	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
n-Butylbenzene	<0.310		ug/L	9103817	9103817-BLK1	10/22/09 12:29
tert-Butylbenzene	<0.380		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Carbon disulfide	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Carbon Tetrachloride	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Chlorobenzene	<0.220		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Chlorodibromomethane	<0.260		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Chloroethane	<0.460		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Chloroform	<0.250		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Chloromethane	<0.390		ug/L	9103817	9103817-BLK1	10/22/09 12:29
2-Chlorotoluene	<0.510		ug/L	9103817	9103817-BLK1	10/22/09 12:29
4-Chlorotoluene	<0.510		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2-Dibromoethane (EDB)	<0.460		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Dibromomethane	<0.410		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,4-Dichlorobenzene	<0.430		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,3-Dichlorobenzene	<0.320		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2-Dichlorobenzene	<0.400		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Dichlorodifluoromethane	<0.190		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1-Dichloroethane	<0.340		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2-Dichloroethane	<0.350		ug/L	9103817	9103817-BLK1	10/22/09 12:29
cis-1,2-Dichloroethene	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1-Dichloroethene	<0.220		ug/L	9103817	9103817-BLK1	10/22/09 12:29
trans-1,2-Dichloroethene	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,3-Dichloropropane	<0.270		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2-Dichloropropane	<0.240		ug/L	9103817	9103817-BLK1	10/22/09 12:29
2,2-Dichloropropane	<0.300		ug/L	9103817	9103817-BLK1	10/22/09 12:29
cis-1,3-Dichloropropene	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
trans-1,3-Dichloropropene	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1-Dichloropropene	<0.260		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Ethylbenzene	<0.350		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Hexachlorobutadiene	<0.790		ug/L	9103817	9103817-BLK1	10/22/09 12:29
2-Hexanone	<1.40		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Isopropylbenzene	<0.400		ug/L	9103817	9103817-BLK1	10/22/09 12:29
p-Isopropyltoluene	<0.330		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Methyl tert-Butyl Ether	<0.320		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Methylene Chloride	0.880		ug/L	9103817	9103817-BLK1	10/22/09 12:29
4-Methyl-2-pentanone	<1.40		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Naphthalene	<0.380		ug/L	9103817	9103817-BLK1	10/22/09 12:29
n-Propylbenzene	<0.390		ug/L	9103817	9103817-BLK1	10/22/09 12:29

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PROJECT QUALITY CONTROL DATA
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Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8260B

9103817-BLK1

Styrene	<0.260		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1,1,2-Tetrachloroethane	<0.200		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1,2,2-Tetrachloroethane	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Tetrachloroethene	<0.320		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Toluene	<0.350		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2,3-Trichlorobenzene	0.280		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2,4-Trichlorobenzene	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1,2-Trichloroethane	<0.320		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,1,1-Trichloroethane	<0.190		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Trichloroethene	<0.260		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Trichlorofluoromethane	<0.220		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2,3-Trichloropropane	<0.470		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,3,5-Trimethylbenzene	<0.360		ug/L	9103817	9103817-BLK1	10/22/09 12:29
1,2,4-Trimethylbenzene	<0.320		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Vinyl chloride	<0.220		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Xylenes, total	<0.730		ug/L	9103817	9103817-BLK1	10/22/09 12:29
Surrogate: 1,2-Dichloroethane-d4	103%			9103817	9103817-BLK1	10/22/09 12:29
Surrogate: Dibromofluoromethane	98%			9103817	9103817-BLK1	10/22/09 12:29
Surrogate: Toluene-d8	103%			9103817	9103817-BLK1	10/22/09 12:29
Surrogate: 4-Bromofluorobenzene	106%			9103817	9103817-BLK1	10/22/09 12:29

9103928-BLK1

Acetone	<25.0		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Benzene	<0.410		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Bromobenzene	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Bromochloromethane	<0.470		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Bromodichloromethane	<0.270		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Bromoform	<0.430		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Bromomethane	<0.300		ug/L	9103928	9103928-BLK1	10/23/09 13:26
2-Butanone	<2.10		ug/L	9103928	9103928-BLK1	10/23/09 13:26
sec-Butylbenzene	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
n-Butylbenzene	<0.310		ug/L	9103928	9103928-BLK1	10/23/09 13:26
tert-Butylbenzene	<0.380		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Carbon disulfide	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Carbon Tetrachloride	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Chlorobenzene	<0.220		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Chlorodibromomethane	<0.260		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Chloroethane	<0.460		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Chloroform	<0.250		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Chloromethane	<0.390		ug/L	9103928	9103928-BLK1	10/23/09 13:26
2-Chlorotoluene	<0.510		ug/L	9103928	9103928-BLK1	10/23/09 13:26

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PROJECT QUALITY CONTROL DATA
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Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103928-BLK1						
4-Chlorotoluene	<0.510		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2-Dibromoethane (EDB)	<0.460		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Dibromomethane	<0.410		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,4-Dichlorobenzene	<0.430		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,3-Dichlorobenzene	<0.320		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2-Dichlorobenzene	<0.400		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Dichlorodifluoromethane	<0.190		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1-Dichloroethane	<0.340		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2-Dichloroethane	<0.350		ug/L	9103928	9103928-BLK1	10/23/09 13:26
cis-1,2-Dichloroethene	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1-Dichloroethene	<0.220		ug/L	9103928	9103928-BLK1	10/23/09 13:26
trans-1,2-Dichloroethene	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,3-Dichloropropane	<0.270		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2-Dichloropropane	<0.240		ug/L	9103928	9103928-BLK1	10/23/09 13:26
2,2-Dichloropropane	<0.300		ug/L	9103928	9103928-BLK1	10/23/09 13:26
cis-1,3-Dichloropropene	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
trans-1,3-Dichloropropene	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1-Dichloropropene	<0.260		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Ethylbenzene	<0.350		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Hexachlorobutadiene	<0.790		ug/L	9103928	9103928-BLK1	10/23/09 13:26
2-Hexanone	<1.40		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Isopropylbenzene	<0.400		ug/L	9103928	9103928-BLK1	10/23/09 13:26
p-Isopropyltoluene	<0.330		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Methyl tert-Butyl Ether	<0.320		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Methylene Chloride	0.830		ug/L	9103928	9103928-BLK1	10/23/09 13:26
4-Methyl-2-pentanone	<1.40		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Naphthalene	<0.380		ug/L	9103928	9103928-BLK1	10/23/09 13:26
n-Propylbenzene	<0.390		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Styrene	<0.260		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1,1,2-Tetrachloroethane	<0.200		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1,2,2-Tetrachloroethane	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Tetrachloroethene	<0.320		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Toluene	<0.350		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2,3-Trichlorobenzene	<0.270		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2,4-Trichlorobenzene	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1,2-Trichloroethane	<0.320		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,1,1-Trichloroethane	<0.190		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Trichloroethene	<0.260		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Trichlorofluoromethane	<0.220		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2,3-Trichloropropane	<0.470		ug/L	9103928	9103928-BLK1	10/23/09 13:26

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PROJECT QUALITY CONTROL DATA
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Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9103928-BLK1						
1,3,5-Trimethylbenzene	<0.360		ug/L	9103928	9103928-BLK1	10/23/09 13:26
1,2,4-Trimethylbenzene	<0.320		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Vinyl chloride	<0.220		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Xylenes, total	<0.730		ug/L	9103928	9103928-BLK1	10/23/09 13:26
Surrogate: 1,2-Dichloroethane-d4	108%			9103928	9103928-BLK1	10/23/09 13:26
Surrogate: Dibromofluoromethane	97%			9103928	9103928-BLK1	10/23/09 13:26
Surrogate: Toluene-d8	107%			9103928	9103928-BLK1	10/23/09 13:26
Surrogate: 4-Bromofluorobenzene	110%			9103928	9103928-BLK1	10/23/09 13:26
9104017-BLK1						
Acetone	<25.0		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Benzene	<0.410		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Bromobenzene	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Bromochloromethane	<0.470		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Bromodichloromethane	<0.270		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Bromoform	<0.430		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Bromomethane	<0.300		ug/L	9104017	9104017-BLK1	10/23/09 10:21
2-Butanone	<2.10		ug/L	9104017	9104017-BLK1	10/23/09 10:21
sec-Butylbenzene	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
n-Butylbenzene	<0.310		ug/L	9104017	9104017-BLK1	10/23/09 10:21
tert-Butylbenzene	<0.380		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Carbon disulfide	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Carbon Tetrachloride	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Chlorobenzene	<0.220		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Chlorodibromomethane	<0.260		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Chloroethane	<0.460		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Chloroform	<0.250		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Chloromethane	<0.390		ug/L	9104017	9104017-BLK1	10/23/09 10:21
2-Chlorotoluene	<0.510		ug/L	9104017	9104017-BLK1	10/23/09 10:21
4-Chlorotoluene	<0.510		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2-Dibromo-3-chloropropane	<0.860		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2-Dibromoethane (EDB)	<0.460		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Dibromomethane	<0.410		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,4-Dichlorobenzene	<0.430		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,3-Dichlorobenzene	<0.320		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2-Dichlorobenzene	<0.400		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Dichlorodifluoromethane	<0.190		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1-Dichloroethane	<0.340		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2-Dichloroethane	<0.350		ug/L	9104017	9104017-BLK1	10/23/09 10:21
cis-1,2-Dichloroethene	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1-Dichloroethene	<0.220		ug/L	9104017	9104017-BLK1	10/23/09 10:21

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PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9104017-BLK1						
trans-1,2-Dichloroethene	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,3-Dichloropropane	<0.270		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2-Dichloropropane	<0.240		ug/L	9104017	9104017-BLK1	10/23/09 10:21
2,2-Dichloropropane	<0.300		ug/L	9104017	9104017-BLK1	10/23/09 10:21
cis-1,3-Dichloropropene	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
trans-1,3-Dichloropropene	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1-Dichloropropene	<0.260		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Ethylbenzene	<0.350		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Hexachlorobutadiene	<0.790		ug/L	9104017	9104017-BLK1	10/23/09 10:21
2-Hexanone	<1.40		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Isopropylbenzene	<0.400		ug/L	9104017	9104017-BLK1	10/23/09 10:21
p-Isopropyltoluene	<0.330		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Methyl tert-Butyl Ether	<0.320		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Methylene Chloride	0.930		ug/L	9104017	9104017-BLK1	10/23/09 10:21
4-Methyl-2-pentanone	<1.40		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Naphthalene	<0.380		ug/L	9104017	9104017-BLK1	10/23/09 10:21
n-Propylbenzene	<0.390		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Styrene	<0.260		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1,1,2-Tetrachloroethane	<0.200		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1,2,2-Tetrachloroethane	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Tetrachloroethene	<0.320		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Toluene	<0.350		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2,3-Trichlorobenzene	0.420		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2,4-Trichlorobenzene	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1,2-Trichloroethane	<0.320		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,1,1-Trichloroethane	<0.190		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Trichloroethene	<0.260		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Trichlorofluoromethane	<0.220		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2,3-Trichloropropane	<0.470		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,3,5-Trimethylbenzene	<0.360		ug/L	9104017	9104017-BLK1	10/23/09 10:21
1,2,4-Trimethylbenzene	<0.320		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Vinyl chloride	<0.220		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Xylenes, total	<0.730		ug/L	9104017	9104017-BLK1	10/23/09 10:21
Surrogate: 1,2-Dichloroethane-d4	112%			9104017	9104017-BLK1	10/23/09 10:21
Surrogate: Dibromofluoromethane	110%			9104017	9104017-BLK1	10/23/09 10:21
Surrogate: Toluene-d8	99%			9104017	9104017-BLK1	10/23/09 10:21
Surrogate: 4-Bromofluorobenzene	89%			9104017	9104017-BLK1	10/23/09 10:21

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9104989-DUP1										
Total Organic Carbon	2.11	2.29		mg/L	8	20	9104989	NSJ1870-01RE1		10/29/09 14:53
9110407-DUP1										
Carbon Dioxide	ND	ND	A-01, HTI	mg/L		20	9110407	NSJ2007-23		11/04/09 11:46

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PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
9104570-BS1								
Total Organic Carbon	200	199		mg/L	100%	90 - 110	9104570	10/28/09 13:56
9104989-BS1								
Total Organic Carbon	200	203		mg/L	101%	90 - 110	9104989	10/29/09 14:53
Methane, Ethane, and Ethene by GC								
9103840-BS1								
Ethene	2340	2030		ug/L	87%	80 - 120	9103840	10/26/09 13:48
Methane	1330	1310		ug/L	98%	80 - 120	9103840	10/26/09 13:48
Surrogate: Acetylene	2160	2180			101%	70 - 122	9103840	10/26/09 13:48
Surrogate: Acetylene	2160	2180			101%	70 - 122	9103840	10/26/09 13:48
Volatile Organic Compounds by EPA Method 8260B								
9103393-BS1								
Acetone	250	237		ug/L	95%	56 - 150	9103393	10/22/09 07:25
Benzene	50.0	48.8		ug/L	98%	80 - 121	9103393	10/22/09 07:25
Bromobenzene	50.0	48.1		ug/L	96%	72 - 130	9103393	10/22/09 07:25
Bromochloromethane	50.0	48.1		ug/L	96%	73 - 137	9103393	10/22/09 07:25
Bromodichloromethane	50.0	51.2		ug/L	102%	75 - 131	9103393	10/22/09 07:25
Bromoform	50.0	55.2		ug/L	110%	65 - 140	9103393	10/22/09 07:25
Bromomethane	50.0	61.1		ug/L	122%	50 - 150	9103393	10/22/09 07:25
2-Butanone	250	255		ug/L	102%	70 - 144	9103393	10/22/09 07:25
sec-Butylbenzene	50.0	52.0		ug/L	104%	72 - 140	9103393	10/22/09 07:25
n-Butylbenzene	50.0	51.1		ug/L	102%	68 - 140	9103393	10/22/09 07:25
tert-Butylbenzene	50.0	51.7		ug/L	103%	76 - 135	9103393	10/22/09 07:25
Carbon disulfide	50.0	45.8		ug/L	92%	74 - 137	9103393	10/22/09 07:25
Carbon Tetrachloride	50.0	54.4		ug/L	109%	71 - 137	9103393	10/22/09 07:25
Chlorobenzene	50.0	51.3		ug/L	103%	80 - 121	9103393	10/22/09 07:25
Chlorodibromomethane	50.0	51.5		ug/L	103%	68 - 137	9103393	10/22/09 07:25
Chloroethane	50.0	49.5		ug/L	99%	50 - 146	9103393	10/22/09 07:25
Chloroform	50.0	48.7		ug/L	97%	73 - 131	9103393	10/22/09 07:25
Chloromethane	50.0	44.3		ug/L	89%	30 - 132	9103393	10/22/09 07:25
2-Chlorotoluene	50.0	49.0		ug/L	98%	74 - 135	9103393	10/22/09 07:25
4-Chlorotoluene	50.0	48.1		ug/L	96%	74 - 132	9103393	10/22/09 07:25
1,2-Dibromo-3-chloropropane	50.0	44.9		ug/L	90%	56 - 145	9103393	10/22/09 07:25
1,2-Dibromoethane (EDB)	50.0	49.0		ug/L	98%	80 - 135	9103393	10/22/09 07:25
Dibromomethane	50.0	52.6		ug/L	105%	78 - 133	9103393	10/22/09 07:25
1,4-Dichlorobenzene	50.0	51.1		ug/L	102%	80 - 120	9103393	10/22/09 07:25
1,3-Dichlorobenzene	50.0	52.1		ug/L	104%	80 - 128	9103393	10/22/09 07:25
1,2-Dichlorobenzene	50.0	54.6		ug/L	109%	80 - 125	9103393	10/22/09 07:25
Dichlorodifluoromethane	50.0	57.0		ug/L	114%	30 - 132	9103393	10/22/09 07:25

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PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103393-BS1								
1,1-Dichloroethane	50.0	48.0		ug/L	96%	75 - 125	9103393	10/22/09 07:25
1,2-Dichloroethane	50.0	51.8		ug/L	104%	70 - 134	9103393	10/22/09 07:25
cis-1,2-Dichloroethene	50.0	49.8		ug/L	100%	71 - 132	9103393	10/22/09 07:25
1,1-Dichloroethene	50.0	48.1		ug/L	96%	73 - 125	9103393	10/22/09 07:25
trans-1,2-Dichloroethene	50.0	48.2		ug/L	96%	77 - 125	9103393	10/22/09 07:25
1,3-Dichloropropane	50.0	46.9		ug/L	94%	76 - 125	9103393	10/22/09 07:25
1,2-Dichloropropane	50.0	47.2		ug/L	94%	72 - 120	9103393	10/22/09 07:25
2,2-Dichloropropane	50.0	52.2		ug/L	104%	50 - 150	9103393	10/22/09 07:25
cis-1,3-Dichloropropene	50.0	46.0		ug/L	92%	70 - 140	9103393	10/22/09 07:25
trans-1,3-Dichloropropene	50.0	46.4		ug/L	93%	62 - 139	9103393	10/22/09 07:25
1,1-Dichloropropene	50.0	50.5		ug/L	101%	78 - 126	9103393	10/22/09 07:25
Ethylbenzene	50.0	48.7		ug/L	97%	78 - 133	9103393	10/22/09 07:25
Hexachlorobutadiene	50.0	57.5		ug/L	115%	70 - 150	9103393	10/22/09 07:25
2-Hexanone	250	234		ug/L	93%	60 - 150	9103393	10/22/09 07:25
Isopropylbenzene	50.0	51.2		ug/L	102%	69 - 120	9103393	10/22/09 07:25
p-Isopropyltoluene	50.0	51.5		ug/L	103%	72 - 134	9103393	10/22/09 07:25
Methyl tert-Butyl Ether	50.0	47.3		ug/L	95%	76 - 120	9103393	10/22/09 07:25
Methylene Chloride	50.0	46.8		ug/L	94%	80 - 133	9103393	10/22/09 07:25
4-Methyl-2-pentanone	250	222		ug/L	89%	62 - 146	9103393	10/22/09 07:25
Naphthalene	50.0	49.8		ug/L	100%	71 - 139	9103393	10/22/09 07:25
n-Propylbenzene	50.0	49.7		ug/L	99%	70 - 143	9103393	10/22/09 07:25
Styrene	50.0	51.4		ug/L	103%	80 - 136	9103393	10/22/09 07:25
1,1,1,2-Tetrachloroethane	50.0	52.2		ug/L	104%	80 - 130	9103393	10/22/09 07:25
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/L	96%	73 - 131	9103393	10/22/09 07:25
Tetrachloroethene	50.0	52.9		ug/L	106%	77 - 131	9103393	10/22/09 07:25
Toluene	50.0	47.6		ug/L	95%	78 - 125	9103393	10/22/09 07:25
1,2,3-Trichlorobenzene	50.0	52.8		ug/L	106%	71 - 138	9103393	10/22/09 07:25
1,2,4-Trichlorobenzene	50.0	55.4		ug/L	111%	74 - 136	9103393	10/22/09 07:25
1,1,2-Trichloroethane	50.0	47.9		ug/L	96%	80 - 123	9103393	10/22/09 07:25
1,1,1-Trichloroethane	50.0	53.0		ug/L	106%	75 - 137	9103393	10/22/09 07:25
Trichloroethene	50.0	55.2		ug/L	110%	74 - 139	9103393	10/22/09 07:25
Trichlorofluoromethane	50.0	53.7		ug/L	107%	60 - 133	9103393	10/22/09 07:25
1,2,3-Trichloropropane	50.0	44.1		ug/L	88%	64 - 127	9103393	10/22/09 07:25
1,3,5-Trimethylbenzene	50.0	50.9		ug/L	102%	75 - 134	9103393	10/22/09 07:25
1,2,4-Trimethylbenzene	50.0	50.7		ug/L	101%	77 - 134	9103393	10/22/09 07:25
Vinyl chloride	50.0	51.4		ug/L	103%	60 - 122	9103393	10/22/09 07:25
Xylenes, total	150	146		ug/L	98%	78 - 134	9103393	10/22/09 07:25
Surrogate: 1,2-Dichloroethane-d4	25.0	24.9			99%	63 - 140	9103393	10/22/09 07:25
Surrogate: Dibromofluoromethane	25.0	25.7			103%	73 - 131	9103393	10/22/09 07:25
Surrogate: Toluene-d8	25.0	23.6			95%	80 - 120	9103393	10/22/09 07:25
Surrogate: 4-Bromofluorobenzene	25.0	23.6			94%	79 - 125	9103393	10/22/09 07:25

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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103805-BS1								
Acetone	250	231		ug/L	92%	56 - 150	9103805	10/22/09 18:42
Benzene	50.0	49.1		ug/L	98%	80 - 121	9103805	10/22/09 18:42
Bromobenzene	50.0	48.1		ug/L	96%	72 - 130	9103805	10/22/09 18:42
Bromochloromethane	50.0	50.5		ug/L	101%	73 - 137	9103805	10/22/09 18:42
Bromodichloromethane	50.0	53.9		ug/L	108%	75 - 131	9103805	10/22/09 18:42
Bromoform	50.0	60.5		ug/L	121%	65 - 140	9103805	10/22/09 18:42
Bromomethane	50.0	61.1		ug/L	122%	50 - 150	9103805	10/22/09 18:42
2-Butanone	250	279		ug/L	112%	70 - 144	9103805	10/22/09 18:42
sec-Butylbenzene	50.0	50.7		ug/L	101%	72 - 140	9103805	10/22/09 18:42
n-Butylbenzene	50.0	49.6		ug/L	99%	68 - 140	9103805	10/22/09 18:42
tert-Butylbenzene	50.0	51.0		ug/L	102%	76 - 135	9103805	10/22/09 18:42
Carbon disulfide	50.0	44.5		ug/L	89%	74 - 137	9103805	10/22/09 18:42
Carbon Tetrachloride	50.0	55.7		ug/L	111%	71 - 137	9103805	10/22/09 18:42
Chlorobenzene	50.0	51.9		ug/L	104%	80 - 121	9103805	10/22/09 18:42
Chlorodibromomethane	50.0	54.5		ug/L	109%	68 - 137	9103805	10/22/09 18:42
Chloroethane	50.0	47.3		ug/L	95%	50 - 146	9103805	10/22/09 18:42
Chloroform	50.0	50.3		ug/L	101%	73 - 131	9103805	10/22/09 18:42
Chloromethane	50.0	41.0		ug/L	82%	30 - 132	9103805	10/22/09 18:42
2-Chlorotoluene	50.0	47.7		ug/L	95%	74 - 135	9103805	10/22/09 18:42
4-Chlorotoluene	50.0	47.3		ug/L	95%	74 - 132	9103805	10/22/09 18:42
1,2-Dibromo-3-chloropropane	50.0	49.6		ug/L	99%	56 - 145	9103805	10/22/09 18:42
1,2-Dibromoethane (EDB)	50.0	52.6		ug/L	105%	80 - 135	9103805	10/22/09 18:42
Dibromomethane	50.0	57.2		ug/L	114%	78 - 133	9103805	10/22/09 18:42
1,4-Dichlorobenzene	50.0	52.1		ug/L	104%	80 - 120	9103805	10/22/09 18:42
1,3-Dichlorobenzene	50.0	52.7		ug/L	105%	80 - 128	9103805	10/22/09 18:42
1,2-Dichlorobenzene	50.0	56.2		ug/L	112%	80 - 125	9103805	10/22/09 18:42
Dichlorodifluoromethane	50.0	57.0		ug/L	114%	30 - 132	9103805	10/22/09 18:42
1,1-Dichloroethane	50.0	47.3		ug/L	95%	75 - 125	9103805	10/22/09 18:42
1,2-Dichloroethane	50.0	56.0		ug/L	112%	70 - 134	9103805	10/22/09 18:42
cis-1,2-Dichloroethene	50.0	49.5		ug/L	99%	71 - 132	9103805	10/22/09 18:42
1,1-Dichloroethene	50.0	47.9		ug/L	96%	73 - 125	9103805	10/22/09 18:42
trans-1,2-Dichloroethene	50.0	47.8		ug/L	96%	77 - 125	9103805	10/22/09 18:42
1,3-Dichloropropane	50.0	49.2		ug/L	98%	76 - 125	9103805	10/22/09 18:42
1,2-Dichloropropane	50.0	47.6		ug/L	95%	72 - 120	9103805	10/22/09 18:42
2,2-Dichloropropane	50.0	50.3		ug/L	101%	50 - 150	9103805	10/22/09 18:42
cis-1,3-Dichloropropene	50.0	46.2		ug/L	92%	70 - 140	9103805	10/22/09 18:42
trans-1,3-Dichloropropene	50.0	48.0		ug/L	96%	62 - 139	9103805	10/22/09 18:42
1,1-Dichloropropene	50.0	50.4		ug/L	101%	78 - 126	9103805	10/22/09 18:42
Ethylbenzene	50.0	48.5		ug/L	97%	78 - 133	9103805	10/22/09 18:42
Hexachlorobutadiene	50.0	56.8		ug/L	114%	70 - 150	9103805	10/22/09 18:42
2-Hexanone	250	259		ug/L	104%	60 - 150	9103805	10/22/09 18:42

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103805-BS1								
Isopropylbenzene	50.0	51.2		ug/L	102%	69 - 120	9103805	10/22/09 18:42
p-Isopropyltoluene	50.0	50.7		ug/L	101%	72 - 134	9103805	10/22/09 18:42
Methyl tert-Butyl Ether	50.0	52.8		ug/L	106%	76 - 120	9103805	10/22/09 18:42
Methylene Chloride	50.0	47.5		ug/L	95%	80 - 133	9103805	10/22/09 18:42
4-Methyl-2-pentanone	250	250		ug/L	100%	62 - 146	9103805	10/22/09 18:42
Naphthalene	50.0	54.8		ug/L	110%	71 - 139	9103805	10/22/09 18:42
n-Propylbenzene	50.0	48.2		ug/L	96%	70 - 143	9103805	10/22/09 18:42
Styrene	50.0	52.1		ug/L	104%	80 - 136	9103805	10/22/09 18:42
1,1,1,2-Tetrachloroethane	50.0	54.2		ug/L	108%	80 - 130	9103805	10/22/09 18:42
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L	101%	73 - 131	9103805	10/22/09 18:42
Tetrachloroethene	50.0	53.1		ug/L	106%	77 - 131	9103805	10/22/09 18:42
Toluene	50.0	47.0		ug/L	94%	78 - 125	9103805	10/22/09 18:42
1,2,3-Trichlorobenzene	50.0	57.9		ug/L	116%	71 - 138	9103805	10/22/09 18:42
1,2,4-Trichlorobenzene	50.0	59.2		ug/L	118%	74 - 136	9103805	10/22/09 18:42
1,1,2-Trichloroethane	50.0	50.9		ug/L	102%	80 - 123	9103805	10/22/09 18:42
1,1,1-Trichloroethane	50.0	53.9		ug/L	108%	75 - 137	9103805	10/22/09 18:42
Trichloroethene	50.0	56.2		ug/L	112%	74 - 139	9103805	10/22/09 18:42
Trichlorofluoromethane	50.0	53.4		ug/L	107%	60 - 133	9103805	10/22/09 18:42
1,2,3-Trichloropropane	50.0	45.7		ug/L	91%	64 - 127	9103805	10/22/09 18:42
1,3,5-Trimethylbenzene	50.0	49.9		ug/L	100%	75 - 134	9103805	10/22/09 18:42
1,2,4-Trimethylbenzene	50.0	49.9		ug/L	100%	77 - 134	9103805	10/22/09 18:42
Vinyl chloride	50.0	49.6		ug/L	99%	60 - 122	9103805	10/22/09 18:42
Xylenes, total	150	145		ug/L	97%	78 - 134	9103805	10/22/09 18:42
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	26.0			104%	63 - 140	9103805	10/22/09 18:42
<i>Surrogate: Dibromofluoromethane</i>	25.0	26.3			105%	73 - 131	9103805	10/22/09 18:42
<i>Surrogate: Toluene-d8</i>	25.0	23.3			93%	80 - 120	9103805	10/22/09 18:42
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	23.1			92%	79 - 125	9103805	10/22/09 18:42
9103817-BS1								
Acetone	250	255		ug/L	102%	56 - 150	9103817	10/22/09 10:39
Benzene	50.0	50.4		ug/L	101%	80 - 121	9103817	10/22/09 10:39
Bromobenzene	50.0	49.8		ug/L	100%	72 - 130	9103817	10/22/09 10:39
Bromochloromethane	50.0	50.0		ug/L	100%	73 - 137	9103817	10/22/09 10:39
Bromodichloromethane	50.0	48.6		ug/L	97%	75 - 131	9103817	10/22/09 10:39
Bromoform	50.0	50.9		ug/L	102%	65 - 140	9103817	10/22/09 10:39
Bromomethane	50.0	42.6		ug/L	85%	50 - 150	9103817	10/22/09 10:39
2-Butanone	250	259		ug/L	104%	70 - 144	9103817	10/22/09 10:39
sec-Butylbenzene	50.0	53.4		ug/L	107%	72 - 140	9103817	10/22/09 10:39
n-Butylbenzene	50.0	54.1		ug/L	108%	68 - 140	9103817	10/22/09 10:39
tert-Butylbenzene	50.0	49.8		ug/L	100%	76 - 135	9103817	10/22/09 10:39
Carbon disulfide	50.0	48.5		ug/L	97%	74 - 137	9103817	10/22/09 10:39

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103817-BS1								
Carbon Tetrachloride	50.0	44.8		ug/L	90%	71 - 137	9103817	10/22/09 10:39
Chlorobenzene	50.0	49.6		ug/L	99%	80 - 121	9103817	10/22/09 10:39
Chlorodibromomethane	50.0	57.6		ug/L	115%	68 - 137	9103817	10/22/09 10:39
Chloroethane	50.0	63.3		ug/L	127%	50 - 146	9103817	10/22/09 10:39
Chloroform	50.0	45.6		ug/L	91%	73 - 131	9103817	10/22/09 10:39
Chloromethane	50.0	36.6		ug/L	73%	30 - 132	9103817	10/22/09 10:39
2-Chlorotoluene	50.0	49.6		ug/L	99%	74 - 135	9103817	10/22/09 10:39
4-Chlorotoluene	50.0	51.2		ug/L	102%	74 - 132	9103817	10/22/09 10:39
1,2-Dibromo-3-chloropropane	50.0	48.4		ug/L	97%	56 - 145	9103817	10/22/09 10:39
1,2-Dibromoethane (EDB)	50.0	52.8		ug/L	106%	80 - 135	9103817	10/22/09 10:39
Dibromomethane	50.0	52.3		ug/L	105%	78 - 133	9103817	10/22/09 10:39
1,4-Dichlorobenzene	50.0	48.6		ug/L	97%	80 - 120	9103817	10/22/09 10:39
1,3-Dichlorobenzene	50.0	49.3		ug/L	99%	80 - 128	9103817	10/22/09 10:39
1,2-Dichlorobenzene	50.0	50.3		ug/L	101%	80 - 125	9103817	10/22/09 10:39
Dichlorodifluoromethane	50.0	46.6		ug/L	93%	30 - 132	9103817	10/22/09 10:39
1,1-Dichloroethane	50.0	49.8		ug/L	100%	75 - 125	9103817	10/22/09 10:39
1,2-Dichloroethane	50.0	51.2		ug/L	102%	70 - 134	9103817	10/22/09 10:39
cis-1,2-Dichloroethene	50.0	51.0		ug/L	102%	71 - 132	9103817	10/22/09 10:39
1,1-Dichloroethene	50.0	51.4		ug/L	103%	73 - 125	9103817	10/22/09 10:39
trans-1,2-Dichloroethene	50.0	53.0		ug/L	106%	77 - 125	9103817	10/22/09 10:39
1,3-Dichloropropane	50.0	51.1		ug/L	102%	76 - 125	9103817	10/22/09 10:39
1,2-Dichloropropane	50.0	47.0		ug/L	94%	72 - 120	9103817	10/22/09 10:39
2,2-Dichloropropane	50.0	53.6		ug/L	107%	50 - 150	9103817	10/22/09 10:39
cis-1,3-Dichloropropene	50.0	53.1		ug/L	106%	70 - 140	9103817	10/22/09 10:39
trans-1,3-Dichloropropene	50.0	51.9		ug/L	104%	62 - 139	9103817	10/22/09 10:39
1,1-Dichloropropene	50.0	49.3		ug/L	99%	78 - 126	9103817	10/22/09 10:39
Ethylbenzene	50.0	53.0		ug/L	106%	78 - 133	9103817	10/22/09 10:39
Hexachlorobutadiene	50.0	51.2		ug/L	102%	70 - 150	9103817	10/22/09 10:39
2-Hexanone	250	263		ug/L	105%	60 - 150	9103817	10/22/09 10:39
Isopropylbenzene	50.0	54.1		ug/L	108%	69 - 120	9103817	10/22/09 10:39
p-Isopropyltoluene	50.0	52.0		ug/L	104%	72 - 134	9103817	10/22/09 10:39
Methyl tert-Butyl Ether	50.0	49.6		ug/L	99%	76 - 120	9103817	10/22/09 10:39
Methylene Chloride	50.0	45.8		ug/L	92%	80 - 133	9103817	10/22/09 10:39
4-Methyl-2-pentanone	250	266		ug/L	106%	62 - 146	9103817	10/22/09 10:39
Naphthalene	50.0	49.6		ug/L	99%	71 - 139	9103817	10/22/09 10:39
n-Propylbenzene	50.0	52.0		ug/L	104%	70 - 143	9103817	10/22/09 10:39
Styrene	50.0	54.0		ug/L	108%	80 - 136	9103817	10/22/09 10:39
1,1,1,2-Tetrachloroethane	50.0	55.8		ug/L	112%	80 - 130	9103817	10/22/09 10:39
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L	104%	73 - 131	9103817	10/22/09 10:39
Tetrachloroethene	50.0	53.3		ug/L	107%	77 - 131	9103817	10/22/09 10:39
Toluene	50.0	52.0		ug/L	104%	78 - 125	9103817	10/22/09 10:39

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103817-BS1								
1,2,3-Trichlorobenzene	50.0	47.8		ug/L	96%	71 - 138	9103817	10/22/09 10:39
1,2,4-Trichlorobenzene	50.0	51.0		ug/L	102%	74 - 136	9103817	10/22/09 10:39
1,1,2-Trichloroethane	50.0	53.5		ug/L	107%	80 - 123	9103817	10/22/09 10:39
1,1,1-Trichloroethane	50.0	51.4		ug/L	103%	75 - 137	9103817	10/22/09 10:39
Trichloroethene	50.0	50.8		ug/L	102%	74 - 139	9103817	10/22/09 10:39
Trichlorofluoromethane	50.0	57.3		ug/L	115%	60 - 133	9103817	10/22/09 10:39
1,2,3-Trichloropropane	50.0	47.2		ug/L	94%	64 - 127	9103817	10/22/09 10:39
1,3,5-Trimethylbenzene	50.0	52.2		ug/L	104%	75 - 134	9103817	10/22/09 10:39
1,2,4-Trimethylbenzene	50.0	52.8		ug/L	106%	77 - 134	9103817	10/22/09 10:39
Vinyl chloride	50.0	48.5		ug/L	97%	60 - 122	9103817	10/22/09 10:39
Xylenes, total	150	158		ug/L	105%	78 - 134	9103817	10/22/09 10:39
<i>Surrogate: 1,2-Dichloroethane-d4</i>	25.0	26.3			105%	63 - 140	9103817	10/22/09 10:39
<i>Surrogate: Dibromofluoromethane</i>	25.0	24.6			99%	73 - 131	9103817	10/22/09 10:39
<i>Surrogate: Toluene-d8</i>	25.0	25.7			103%	80 - 120	9103817	10/22/09 10:39
<i>Surrogate: 4-Bromofluorobenzene</i>	25.0	24.7			99%	79 - 125	9103817	10/22/09 10:39
9103928-BS1								
Acetone	250	292		ug/L	117%	56 - 150	9103928	10/23/09 11:38
Benzene	50.0	50.6		ug/L	101%	80 - 121	9103928	10/23/09 11:38
Bromobenzene	50.0	51.3		ug/L	103%	72 - 130	9103928	10/23/09 11:38
Bromochloromethane	50.0	50.8		ug/L	102%	73 - 137	9103928	10/23/09 11:38
Bromodichloromethane	50.0	49.6		ug/L	99%	75 - 131	9103928	10/23/09 11:38
Bromoform	50.0	48.3		ug/L	97%	65 - 140	9103928	10/23/09 11:38
Bromomethane	50.0	44.7		ug/L	89%	50 - 150	9103928	10/23/09 11:38
2-Butanone	250	282		ug/L	113%	70 - 144	9103928	10/23/09 11:38
sec-Butylbenzene	50.0	53.8		ug/L	108%	72 - 140	9103928	10/23/09 11:38
n-Butylbenzene	50.0	54.4		ug/L	109%	68 - 140	9103928	10/23/09 11:38
tert-Butylbenzene	50.0	49.7		ug/L	99%	76 - 135	9103928	10/23/09 11:38
Carbon disulfide	50.0	47.4		ug/L	95%	74 - 137	9103928	10/23/09 11:38
Carbon Tetrachloride	50.0	43.8		ug/L	88%	71 - 137	9103928	10/23/09 11:38
Chlorobenzene	50.0	47.5		ug/L	95%	80 - 121	9103928	10/23/09 11:38
Chlorodibromomethane	50.0	55.7		ug/L	111%	68 - 137	9103928	10/23/09 11:38
Chloroethane	50.0	62.6		ug/L	125%	50 - 146	9103928	10/23/09 11:38
Chloroform	50.0	45.5		ug/L	91%	73 - 131	9103928	10/23/09 11:38
Chloromethane	50.0	40.3		ug/L	81%	30 - 132	9103928	10/23/09 11:38
2-Chlorotoluene	50.0	50.2		ug/L	100%	74 - 135	9103928	10/23/09 11:38
4-Chlorotoluene	50.0	51.7		ug/L	103%	74 - 132	9103928	10/23/09 11:38
1,2-Dibromo-3-chloropropane	50.0	51.1		ug/L	102%	56 - 145	9103928	10/23/09 11:38
1,2-Dibromoethane (EDB)	50.0	53.9		ug/L	108%	80 - 135	9103928	10/23/09 11:38
Dibromomethane	50.0	55.1		ug/L	110%	78 - 133	9103928	10/23/09 11:38
1,4-Dichlorobenzene	50.0	48.0		ug/L	96%	80 - 120	9103928	10/23/09 11:38

Client MACTEC Engineering & Consulting, Inc. (4997)
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103928-BS1								
1,3-Dichlorobenzene	50.0	47.9		ug/L	96%	80 - 128	9103928	10/23/09 11:38
1,2-Dichlorobenzene	50.0	49.0		ug/L	98%	80 - 125	9103928	10/23/09 11:38
Dichlorodifluoromethane	50.0	48.5		ug/L	97%	30 - 132	9103928	10/23/09 11:38
1,1-Dichloroethane	50.0	49.8		ug/L	100%	75 - 125	9103928	10/23/09 11:38
1,2-Dichloroethane	50.0	53.4		ug/L	107%	70 - 134	9103928	10/23/09 11:38
cis-1,2-Dichloroethene	50.0	51.0		ug/L	102%	71 - 132	9103928	10/23/09 11:38
1,1-Dichloroethene	50.0	49.1		ug/L	98%	73 - 125	9103928	10/23/09 11:38
trans-1,2-Dichloroethene	50.0	53.3		ug/L	107%	77 - 125	9103928	10/23/09 11:38
1,3-Dichloropropane	50.0	53.6		ug/L	107%	76 - 125	9103928	10/23/09 11:38
1,2-Dichloropropane	50.0	47.7		ug/L	95%	72 - 120	9103928	10/23/09 11:38
2,2-Dichloropropane	50.0	44.3		ug/L	89%	50 - 150	9103928	10/23/09 11:38
cis-1,3-Dichloropropene	50.0	50.8		ug/L	102%	70 - 140	9103928	10/23/09 11:38
trans-1,3-Dichloropropene	50.0	50.8		ug/L	102%	62 - 139	9103928	10/23/09 11:38
1,1-Dichloropropene	50.0	48.9		ug/L	98%	78 - 126	9103928	10/23/09 11:38
Ethylbenzene	50.0	51.4		ug/L	103%	78 - 133	9103928	10/23/09 11:38
Hexachlorobutadiene	50.0	45.4		ug/L	91%	70 - 150	9103928	10/23/09 11:38
2-Hexanone	250	289		ug/L	115%	60 - 150	9103928	10/23/09 11:38
Isopropylbenzene	50.0	52.1		ug/L	104%	69 - 120	9103928	10/23/09 11:38
p-Isopropyltoluene	50.0	51.5		ug/L	103%	72 - 134	9103928	10/23/09 11:38
Methyl tert-Butyl Ether	50.0	53.4		ug/L	107%	76 - 120	9103928	10/23/09 11:38
Methylene Chloride	50.0	46.6		ug/L	93%	80 - 133	9103928	10/23/09 11:38
4-Methyl-2-pentanone	250	287		ug/L	115%	62 - 146	9103928	10/23/09 11:38
Naphthalene	50.0	52.9		ug/L	106%	71 - 139	9103928	10/23/09 11:38
n-Propylbenzene	50.0	53.1		ug/L	106%	70 - 143	9103928	10/23/09 11:38
Styrene	50.0	52.0		ug/L	104%	80 - 136	9103928	10/23/09 11:38
1,1,1,2-Tetrachloroethane	50.0	52.2		ug/L	104%	80 - 130	9103928	10/23/09 11:38
1,1,2,2-Tetrachloroethane	50.0	55.5		ug/L	111%	73 - 131	9103928	10/23/09 11:38
Tetrachloroethene	50.0	47.9		ug/L	96%	77 - 131	9103928	10/23/09 11:38
Toluene	50.0	51.0		ug/L	102%	78 - 125	9103928	10/23/09 11:38
1,2,3-Trichlorobenzene	50.0	47.3		ug/L	95%	71 - 138	9103928	10/23/09 11:38
1,2,4-Trichlorobenzene	50.0	47.9		ug/L	96%	74 - 136	9103928	10/23/09 11:38
1,1,2-Trichloroethane	50.0	54.5		ug/L	109%	80 - 123	9103928	10/23/09 11:38
1,1,1-Trichloroethane	50.0	51.0		ug/L	102%	75 - 137	9103928	10/23/09 11:38
Trichloroethene	50.0	49.0		ug/L	98%	74 - 139	9103928	10/23/09 11:38
Trichlorofluoromethane	50.0	60.2		ug/L	120%	60 - 133	9103928	10/23/09 11:38
1,2,3-Trichloropropane	50.0	50.1		ug/L	100%	64 - 127	9103928	10/23/09 11:38
1,3,5-Trimethylbenzene	50.0	52.3		ug/L	105%	75 - 134	9103928	10/23/09 11:38
1,2,4-Trimethylbenzene	50.0	52.3		ug/L	105%	77 - 134	9103928	10/23/09 11:38
Vinyl chloride	50.0	47.4		ug/L	95%	60 - 122	9103928	10/23/09 11:38
Xylenes, total	150	154		ug/L	103%	78 - 134	9103928	10/23/09 11:38
Surrogate: 1,2-Dichloroethane-d4	25.0	27.0			108%	63 - 140	9103928	10/23/09 11:38

Client MACTEC Engineering & Consulting, Inc. (4997)
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PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9103928-BS1								
Surrogate: Dibromofluoromethane	25.0	25.2			101%	73 - 131	9103928	10/23/09 11:38
Surrogate: Toluene-d8	25.0	25.6			102%	80 - 120	9103928	10/23/09 11:38
Surrogate: 4-Bromofluorobenzene	25.0	26.2			105%	79 - 125	9103928	10/23/09 11:38
9104017-BS1								
Acetone	250	229		ug/L	92%	56 - 150	9104017	10/23/09 08:41
Benzene	50.0	49.4		ug/L	99%	80 - 121	9104017	10/23/09 08:41
Bromobenzene	50.0	46.6		ug/L	93%	72 - 130	9104017	10/23/09 08:41
Bromochloromethane	50.0	52.6		ug/L	105%	73 - 137	9104017	10/23/09 08:41
Bromodichloromethane	50.0	54.0		ug/L	108%	75 - 131	9104017	10/23/09 08:41
Bromoform	50.0	60.4		ug/L	121%	65 - 140	9104017	10/23/09 08:41
Bromomethane	50.0	60.5		ug/L	121%	50 - 150	9104017	10/23/09 08:41
2-Butanone	250	269		ug/L	108%	70 - 144	9104017	10/23/09 08:41
sec-Butylbenzene	50.0	48.9		ug/L	98%	72 - 140	9104017	10/23/09 08:41
n-Butylbenzene	50.0	46.9		ug/L	94%	68 - 140	9104017	10/23/09 08:41
tert-Butylbenzene	50.0	49.2		ug/L	98%	76 - 135	9104017	10/23/09 08:41
Carbon disulfide	50.0	47.2		ug/L	94%	74 - 137	9104017	10/23/09 08:41
Carbon Tetrachloride	50.0	58.1		ug/L	116%	71 - 137	9104017	10/23/09 08:41
Chlorobenzene	50.0	51.7		ug/L	103%	80 - 121	9104017	10/23/09 08:41
Chlorodibromomethane	50.0	54.5		ug/L	109%	68 - 137	9104017	10/23/09 08:41
Chloroethane	50.0	50.9		ug/L	102%	50 - 146	9104017	10/23/09 08:41
Chloroform	50.0	50.6		ug/L	101%	73 - 131	9104017	10/23/09 08:41
Chloromethane	50.0	33.1		ug/L	66%	30 - 132	9104017	10/23/09 08:41
2-Chlorotoluene	50.0	46.4		ug/L	93%	74 - 135	9104017	10/23/09 08:41
4-Chlorotoluene	50.0	45.7		ug/L	91%	74 - 132	9104017	10/23/09 08:41
1,2-Dibromo-3-chloropropane	50.0	48.7		ug/L	97%	56 - 145	9104017	10/23/09 08:41
1,2-Dibromoethane (EDB)	50.0	51.9		ug/L	104%	80 - 135	9104017	10/23/09 08:41
Dibromomethane	50.0	57.4		ug/L	115%	78 - 133	9104017	10/23/09 08:41
1,4-Dichlorobenzene	50.0	50.9		ug/L	102%	80 - 120	9104017	10/23/09 08:41
1,3-Dichlorobenzene	50.0	50.9		ug/L	102%	80 - 128	9104017	10/23/09 08:41
1,2-Dichlorobenzene	50.0	54.4		ug/L	109%	80 - 125	9104017	10/23/09 08:41
Dichlorodifluoromethane	50.0	62.2		ug/L	124%	30 - 132	9104017	10/23/09 08:41
1,1-Dichloroethane	50.0	48.8		ug/L	98%	75 - 125	9104017	10/23/09 08:41
1,2-Dichloroethane	50.0	56.1		ug/L	112%	70 - 134	9104017	10/23/09 08:41
cis-1,2-Dichloroethene	50.0	50.5		ug/L	101%	71 - 132	9104017	10/23/09 08:41
1,1-Dichloroethene	50.0	50.0		ug/L	100%	73 - 125	9104017	10/23/09 08:41
trans-1,2-Dichloroethene	50.0	49.0		ug/L	98%	77 - 125	9104017	10/23/09 08:41
1,3-Dichloropropane	50.0	48.4		ug/L	97%	76 - 125	9104017	10/23/09 08:41
1,2-Dichloropropane	50.0	47.5		ug/L	95%	72 - 120	9104017	10/23/09 08:41
2,2-Dichloropropane	50.0	54.4		ug/L	109%	50 - 150	9104017	10/23/09 08:41
cis-1,3-Dichloropropene	50.0	46.5		ug/L	93%	70 - 140	9104017	10/23/09 08:41

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9104017-BS1								
trans-1,3-Dichloropropene	50.0	48.5		ug/L	97%	62 - 139	9104017	10/23/09 08:41
1,1-Dichloropropene	50.0	52.3		ug/L	105%	78 - 126	9104017	10/23/09 08:41
Ethylbenzene	50.0	48.4		ug/L	97%	78 - 133	9104017	10/23/09 08:41
Hexachlorobutadiene	50.0	56.0		ug/L	112%	70 - 150	9104017	10/23/09 08:41
2-Hexanone	250	247		ug/L	99%	60 - 150	9104017	10/23/09 08:41
Isopropylbenzene	50.0	50.5		ug/L	101%	69 - 120	9104017	10/23/09 08:41
p-Isopropyltoluene	50.0	48.7		ug/L	97%	72 - 134	9104017	10/23/09 08:41
Methyl tert-Butyl Ether	50.0	51.6		ug/L	103%	76 - 120	9104017	10/23/09 08:41
Methylene Chloride	50.0	47.1		ug/L	94%	80 - 133	9104017	10/23/09 08:41
4-Methyl-2-pentanone	250	241		ug/L	96%	62 - 146	9104017	10/23/09 08:41
Naphthalene	50.0	52.0		ug/L	104%	71 - 139	9104017	10/23/09 08:41
n-Propylbenzene	50.0	46.4		ug/L	93%	70 - 143	9104017	10/23/09 08:41
Styrene	50.0	51.5		ug/L	103%	80 - 136	9104017	10/23/09 08:41
1,1,1,2-Tetrachloroethane	50.0	54.2		ug/L	108%	80 - 130	9104017	10/23/09 08:41
1,1,2,2-Tetrachloroethane	50.0	48.9		ug/L	98%	73 - 131	9104017	10/23/09 08:41
Tetrachloroethene	50.0	54.2		ug/L	108%	77 - 131	9104017	10/23/09 08:41
Toluene	50.0	47.4		ug/L	95%	78 - 125	9104017	10/23/09 08:41
1,2,3-Trichlorobenzene	50.0	55.7		ug/L	111%	71 - 138	9104017	10/23/09 08:41
1,2,4-Trichlorobenzene	50.0	57.3		ug/L	115%	74 - 136	9104017	10/23/09 08:41
1,1,2-Trichloroethane	50.0	50.4		ug/L	101%	80 - 123	9104017	10/23/09 08:41
1,1,1-Trichloroethane	50.0	55.9		ug/L	112%	75 - 137	9104017	10/23/09 08:41
Trichloroethene	50.0	57.3		ug/L	115%	74 - 139	9104017	10/23/09 08:41
Trichlorofluoromethane	50.0	58.6		ug/L	117%	60 - 133	9104017	10/23/09 08:41
1,2,3-Trichloropropane	50.0	44.1		ug/L	88%	64 - 127	9104017	10/23/09 08:41
1,3,5-Trimethylbenzene	50.0	48.5		ug/L	97%	75 - 134	9104017	10/23/09 08:41
1,2,4-Trimethylbenzene	50.0	48.4		ug/L	97%	77 - 134	9104017	10/23/09 08:41
Vinyl chloride	50.0	54.0		ug/L	108%	60 - 122	9104017	10/23/09 08:41
Xylenes, total	150	146		ug/L	97%	78 - 134	9104017	10/23/09 08:41
Surrogate: 1,2-Dichloroethane-d4	25.0	26.0			104%	63 - 140	9104017	10/23/09 08:41
Surrogate: Dibromofluoromethane	25.0	26.2			105%	73 - 131	9104017	10/23/09 08:41
Surrogate: Toluene-d8	25.0	23.1			92%	80 - 120	9104017	10/23/09 08:41
Surrogate: 4-Bromofluorobenzene	25.0	22.8			91%	79 - 125	9104017	10/23/09 08:41

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PROJECT QUALITY CONTROL DATA
LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Methane, Ethane, and Ethene by GC												
9103840-BSD1												
Ethene		2090		ug/L	2340	89%	80 - 120	3	29	9103840		10/26/09 13:50
Methane		1340		ug/L	1330	100%	80 - 120	2	33	9103840		10/26/09 13:50
Surrogate: Acetylene		2200		ug/L	2160	102%	70 - 122			9103840		10/26/09 13:50
Surrogate: Acetylene		2200		ug/L	2160	102%	70 - 122			9103840		10/26/09 13:50
Volatile Organic Compounds by EPA Method 8260B												
9103393-BSD1												
Acetone		256		ug/L	250	102%	56 - 150	7	31	9103393		10/22/09 07:51
Benzene		55.2		ug/L	50.0	110%	80 - 121	12	12	9103393		10/22/09 07:51
Bromobenzene		54.1		ug/L	50.0	108%	72 - 130	12	23	9103393		10/22/09 07:51
Bromochloromethane		54.4		ug/L	50.0	109%	73 - 137	12	32	9103393		10/22/09 07:51
Bromodichloromethane		57.5		ug/L	50.0	115%	75 - 131	12	13	9103393		10/22/09 07:51
Bromoform		62.2		ug/L	50.0	124%	65 - 140	12	18	9103393		10/22/09 07:51
Bromomethane		69.6		ug/L	50.0	139%	50 - 150	13	50	9103393		10/22/09 07:51
2-Butanone		285		ug/L	250	114%	70 - 144	11	37	9103393		10/22/09 07:51
sec-Butylbenzene		59.1		ug/L	50.0	118%	72 - 140	13	21	9103393		10/22/09 07:51
n-Butylbenzene		57.5	R2	ug/L	50.0	115%	68 - 140	12	11	9103393		10/22/09 07:51
tert-Butylbenzene		58.6		ug/L	50.0	117%	76 - 135	12	20	9103393		10/22/09 07:51
Carbon disulfide		53.3		ug/L	50.0	107%	74 - 137	15	28	9103393		10/22/09 07:51
Carbon Tetrachloride		61.8		ug/L	50.0	124%	71 - 137	13	26	9103393		10/22/09 07:51
Chlorobenzene		57.2		ug/L	50.0	114%	80 - 121	11	11	9103393		10/22/09 07:51
Chlorodibromomethane		57.8		ug/L	50.0	116%	68 - 137	12	16	9103393		10/22/09 07:51
Chloroethane		56.1		ug/L	50.0	112%	50 - 146	12	35	9103393		10/22/09 07:51
Chloroform		55.1		ug/L	50.0	110%	73 - 131	12	32	9103393		10/22/09 07:51
Chloromethane		51.8		ug/L	50.0	104%	30 - 132	15	34	9103393		10/22/09 07:51
2-Chlorotoluene		55.1		ug/L	50.0	110%	74 - 135	12	22	9103393		10/22/09 07:51
4-Chlorotoluene		53.8		ug/L	50.0	108%	74 - 132	11	22	9103393		10/22/09 07:51
1,2-Dibromo-3-chloropropane		52.0		ug/L	50.0	104%	56 - 145	15	21	9103393		10/22/09 07:51
1,2-Dibromoethane (EDB)		54.6	R2	ug/L	50.0	109%	80 - 135	11	10	9103393		10/22/09 07:51
Dibromomethane		59.0		ug/L	50.0	118%	78 - 133	11	11	9103393		10/22/09 07:51
1,4-Dichlorobenzene		57.6	R2	ug/L	50.0	115%	80 - 120	12	10	9103393		10/22/09 07:51
1,3-Dichlorobenzene		59.0		ug/L	50.0	118%	80 - 128	13	18	9103393		10/22/09 07:51
1,2-Dichlorobenzene		61.6	R2	ug/L	50.0	123%	80 - 125	12	11	9103393		10/22/09 07:51
Dichlorodifluoromethane		65.4		ug/L	50.0	131%	30 - 132	14	32	9103393		10/22/09 07:51
1,1-Dichloroethane		54.2		ug/L	50.0	108%	75 - 125	12	34	9103393		10/22/09 07:51
1,2-Dichloroethane		58.0		ug/L	50.0	116%	70 - 134	11	25	9103393		10/22/09 07:51
cis-1,2-Dichloroethene		56.1		ug/L	50.0	112%	71 - 132	12	32	9103393		10/22/09 07:51
1,1-Dichloroethene		54.7		ug/L	50.0	109%	73 - 125	13	31	9103393		10/22/09 07:51
trans-1,2-Dichloroethene		54.6		ug/L	50.0	109%	77 - 125	12	32	9103393		10/22/09 07:51
1,3-Dichloropropane		52.4		ug/L	50.0	105%	76 - 125	11	20	9103393		10/22/09 07:51
1,2-Dichloropropane		53.1	R2	ug/L	50.0	106%	72 - 120	12	11	9103393		10/22/09 07:51

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PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103393-BSD1												
2,2-Dichloropropane		59.1	R2	ug/L	50.0	118%	50 - 150	12	11	9103393		10/22/09 07:51
cis-1,3-Dichloropropene		51.3		ug/L	50.0	103%	70 - 140	11	35	9103393		10/22/09 07:51
trans-1,3-Dichloropropene		52.1		ug/L	50.0	104%	62 - 139	12	26	9103393		10/22/09 07:51
1,1-Dichloropropene		57.6		ug/L	50.0	115%	78 - 126	13	18	9103393		10/22/09 07:51
Ethylbenzene		55.0		ug/L	50.0	110%	78 - 133	12	12	9103393		10/22/09 07:51
Hexachlorobutadiene		65.2		ug/L	50.0	130%	70 - 150	13	21	9103393		10/22/09 07:51
2-Hexanone		263		ug/L	250	105%	60 - 150	12	20	9103393		10/22/09 07:51
Isopropylbenzene		57.3		ug/L	50.0	115%	69 - 120	11	15	9103393		10/22/09 07:51
p-Isopropyltoluene		58.1		ug/L	50.0	116%	72 - 134	12	18	9103393		10/22/09 07:51
Methyl tert-Butyl Ether		53.4		ug/L	50.0	107%	76 - 120	12	32	9103393		10/22/09 07:51
Methylene Chloride		52.3		ug/L	50.0	105%	80 - 133	11	36	9103393		10/22/09 07:51
4-Methyl-2-pentanone		254		ug/L	250	102%	62 - 146	13	35	9103393		10/22/09 07:51
Naphthalene		56.6		ug/L	50.0	113%	71 - 139	13	30	9103393		10/22/09 07:51
n-Propylbenzene		55.9		ug/L	50.0	112%	70 - 143	12	23	9103393		10/22/09 07:51
Styrene		57.2		ug/L	50.0	114%	80 - 136	11	29	9103393		10/22/09 07:51
1,1,1,2-Tetrachloroethane		58.8	R2	ug/L	50.0	118%	80 - 130	12	11	9103393		10/22/09 07:51
1,1,2,2-Tetrachloroethane		54.1		ug/L	50.0	108%	73 - 131	12	28	9103393		10/22/09 07:51
Tetrachloroethene		60.0		ug/L	50.0	120%	77 - 131	13	16	9103393		10/22/09 07:51
Toluene		53.6		ug/L	50.0	107%	78 - 125	12	35	9103393		10/22/09 07:51
1,2,3-Trichlorobenzene		60.8		ug/L	50.0	122%	71 - 138	14	28	9103393		10/22/09 07:51
1,2,4-Trichlorobenzene		63.3		ug/L	50.0	127%	74 - 136	13	23	9103393		10/22/09 07:51
1,1,2-Trichloroethane		53.4		ug/L	50.0	107%	80 - 123	11	21	9103393		10/22/09 07:51
1,1,1-Trichloroethane		60.3		ug/L	50.0	121%	75 - 137	13	29	9103393		10/22/09 07:51
Trichloroethene		62.4	R2	ug/L	50.0	125%	74 - 139	12	11	9103393		10/22/09 07:51
Trichlorofluoromethane		60.4		ug/L	50.0	121%	60 - 133	12	33	9103393		10/22/09 07:51
1,2,3-Trichloropropane		49.6		ug/L	50.0	99%	64 - 127	12	25	9103393		10/22/09 07:51
1,3,5-Trimethylbenzene		57.2		ug/L	50.0	114%	75 - 134	12	21	9103393		10/22/09 07:51
1,2,4-Trimethylbenzene		56.8		ug/L	50.0	114%	77 - 134	11	20	9103393		10/22/09 07:51
Vinyl chloride		58.8		ug/L	50.0	118%	60 - 122	13	32	9103393		10/22/09 07:51
Xylenes, total		164		ug/L	150	109%	78 - 134	11	18	9103393		10/22/09 07:51
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	63 - 140			9103393		10/22/09 07:51
Surrogate: Dibromofluoromethane		26.0		ug/L	25.0	104%	73 - 131			9103393		10/22/09 07:51
Surrogate: Toluene-d8		23.6		ug/L	25.0	94%	80 - 120			9103393		10/22/09 07:51
Surrogate: 4-Bromofluorobenzene		23.7		ug/L	25.0	95%	79 - 125			9103393		10/22/09 07:51
9103805-BSD1												
Acetone		231		ug/L	250	92%	56 - 150	0.01	31	9103805		10/22/09 19:07
Benzene		49.5		ug/L	50.0	99%	80 - 121	0.7	12	9103805		10/22/09 19:07
Bromobenzene		48.5		ug/L	50.0	97%	72 - 130	0.8	23	9103805		10/22/09 19:07
Bromochloromethane		51.0		ug/L	50.0	102%	73 - 137	0.8	32	9103805		10/22/09 19:07
Bromodichloromethane		53.8		ug/L	50.0	108%	75 - 131	0.04	13	9103805		10/22/09 19:07

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PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103805-BSD1												
Bromoform		60.7		ug/L	50.0	121%	65 - 140	0.3	18	9103805		10/22/09 19:07
Bromomethane		62.6		ug/L	50.0	125%	50 - 150	2	50	9103805		10/22/09 19:07
2-Butanone		275		ug/L	250	110%	70 - 144	1	37	9103805		10/22/09 19:07
sec-Butylbenzene		51.1		ug/L	50.0	102%	72 - 140	0.8	21	9103805		10/22/09 19:07
n-Butylbenzene		49.6		ug/L	50.0	99%	68 - 140	0.06	11	9103805		10/22/09 19:07
tert-Butylbenzene		51.5		ug/L	50.0	103%	76 - 135	1	20	9103805		10/22/09 19:07
Carbon disulfide		45.7		ug/L	50.0	91%	74 - 137	3	28	9103805		10/22/09 19:07
Carbon Tetrachloride		55.8		ug/L	50.0	112%	71 - 137	0.2	26	9103805		10/22/09 19:07
Chlorobenzene		52.4		ug/L	50.0	105%	80 - 121	1	11	9103805		10/22/09 19:07
Chlorodibromomethane		55.1		ug/L	50.0	110%	68 - 137	1	16	9103805		10/22/09 19:07
Chloroethane		48.1		ug/L	50.0	96%	50 - 146	2	35	9103805		10/22/09 19:07
Chloroform		50.3		ug/L	50.0	101%	73 - 131	0.04	32	9103805		10/22/09 19:07
Chloromethane		41.8		ug/L	50.0	84%	30 - 132	2	34	9103805		10/22/09 19:07
2-Chlorotoluene		48.4		ug/L	50.0	97%	74 - 135	1	22	9103805		10/22/09 19:07
4-Chlorotoluene		47.4		ug/L	50.0	95%	74 - 132	0.3	22	9103805		10/22/09 19:07
1,2-Dibromo-3-chloropropane		49.5		ug/L	50.0	99%	56 - 145	0.1	21	9103805		10/22/09 19:07
1,2-Dibromoethane (EDB)		52.5		ug/L	50.0	105%	80 - 135	0.2	10	9103805		10/22/09 19:07
Dibromomethane		56.4		ug/L	50.0	113%	78 - 133	1	11	9103805		10/22/09 19:07
1,4-Dichlorobenzene		52.5		ug/L	50.0	105%	80 - 120	0.7	10	9103805		10/22/09 19:07
1,3-Dichlorobenzene		53.1		ug/L	50.0	106%	80 - 128	0.8	18	9103805		10/22/09 19:07
1,2-Dichlorobenzene		56.4		ug/L	50.0	113%	80 - 125	0.3	11	9103805		10/22/09 19:07
Dichlorodifluoromethane		56.4		ug/L	50.0	113%	30 - 132	1	32	9103805		10/22/09 19:07
1,1-Dichloroethane		47.9		ug/L	50.0	96%	75 - 125	1	34	9103805		10/22/09 19:07
1,2-Dichloroethane		55.9		ug/L	50.0	112%	70 - 134	0.07	25	9103805		10/22/09 19:07
cis-1,2-Dichloroethene		50.2		ug/L	50.0	100%	71 - 132	1	32	9103805		10/22/09 19:07
1,1-Dichloroethene		48.5		ug/L	50.0	97%	73 - 125	1	31	9103805		10/22/09 19:07
trans-1,2-Dichloroethene		48.6		ug/L	50.0	97%	77 - 125	2	32	9103805		10/22/09 19:07
1,3-Dichloropropane		49.2		ug/L	50.0	98%	76 - 125	0.1	20	9103805		10/22/09 19:07
1,2-Dichloropropane		47.9		ug/L	50.0	96%	72 - 120	0.5	11	9103805		10/22/09 19:07
2,2-Dichloropropane		50.9		ug/L	50.0	102%	50 - 150	1	11	9103805		10/22/09 19:07
cis-1,3-Dichloropropene		46.7		ug/L	50.0	93%	70 - 140	1	35	9103805		10/22/09 19:07
trans-1,3-Dichloropropene		48.4		ug/L	50.0	97%	62 - 139	0.7	26	9103805		10/22/09 19:07
1,1-Dichloropropene		51.1		ug/L	50.0	102%	78 - 126	1	18	9103805		10/22/09 19:07
Ethylbenzene		48.8		ug/L	50.0	98%	78 - 133	0.7	12	9103805		10/22/09 19:07
Hexachlorobutadiene		57.1		ug/L	50.0	114%	70 - 150	0.5	21	9103805		10/22/09 19:07
2-Hexanone		254		ug/L	250	101%	60 - 150	2	20	9103805		10/22/09 19:07
Isopropylbenzene		51.6		ug/L	50.0	103%	69 - 120	0.7	15	9103805		10/22/09 19:07
p-Isopropyltoluene		50.5		ug/L	50.0	101%	72 - 134	0.4	18	9103805		10/22/09 19:07
Methyl tert-Butyl Ether		52.1		ug/L	50.0	104%	76 - 120	1	32	9103805		10/22/09 19:07
Methylene Chloride		47.6		ug/L	50.0	95%	80 - 133	0.2	36	9103805		10/22/09 19:07
4-Methyl-2-pentanone		246		ug/L	250	98%	62 - 146	2	35	9103805		10/22/09 19:07

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LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103805-BSD1												
Naphthalene		54.6		ug/L	50.0	109%	71 - 139	0.4	30	9103805		10/22/09 19:07
n-Propylbenzene		48.4		ug/L	50.0	97%	70 - 143	0.5	23	9103805		10/22/09 19:07
Styrene		52.3		ug/L	50.0	105%	80 - 136	0.5	29	9103805		10/22/09 19:07
1,1,1,2-Tetrachloroethane		54.1		ug/L	50.0	108%	80 - 130	0.09	11	9103805		10/22/09 19:07
1,1,2,2-Tetrachloroethane		50.7		ug/L	50.0	101%	73 - 131	0.4	28	9103805		10/22/09 19:07
Tetrachloroethene		54.3		ug/L	50.0	109%	77 - 131	2	16	9103805		10/22/09 19:07
Toluene		47.6		ug/L	50.0	95%	78 - 125	1	35	9103805		10/22/09 19:07
1,2,3-Trichlorobenzene		57.9		ug/L	50.0	116%	71 - 138	0.05	28	9103805		10/22/09 19:07
1,2,4-Trichlorobenzene		59.4		ug/L	50.0	119%	74 - 136	0.2	23	9103805		10/22/09 19:07
1,1,2-Trichloroethane		51.4		ug/L	50.0	103%	80 - 123	1	21	9103805		10/22/09 19:07
1,1,1-Trichloroethane		54.7		ug/L	50.0	109%	75 - 137	1	29	9103805		10/22/09 19:07
Trichloroethene		56.3		ug/L	50.0	113%	74 - 139	0.2	11	9103805		10/22/09 19:07
Trichlorofluoromethane		53.4		ug/L	50.0	107%	60 - 133	0.2	33	9103805		10/22/09 19:07
1,2,3-Trichloropropane		45.7		ug/L	50.0	91%	64 - 127	0.02	25	9103805		10/22/09 19:07
1,3,5-Trimethylbenzene		50.2		ug/L	50.0	100%	75 - 134	0.7	21	9103805		10/22/09 19:07
1,2,4-Trimethylbenzene		50.3		ug/L	50.0	101%	77 - 134	0.7	20	9103805		10/22/09 19:07
Vinyl chloride		49.8		ug/L	50.0	100%	60 - 122	0.5	32	9103805		10/22/09 19:07
Xylenes, total		147		ug/L	150	98%	78 - 134	1	18	9103805		10/22/09 19:07
Surrogate: 1,2-Dichloroethane-d4		25.8		ug/L	25.0	103%	63 - 140			9103805		10/22/09 19:07
Surrogate: Dibromofluoromethane		26.1		ug/L	25.0	105%	73 - 131			9103805		10/22/09 19:07
Surrogate: Toluene-d8		23.3		ug/L	25.0	93%	80 - 120			9103805		10/22/09 19:07
Surrogate: 4-Bromofluorobenzene		23.0		ug/L	25.0	92%	79 - 125			9103805		10/22/09 19:07
9103817-BSD1												
Acetone		270		ug/L	250	108%	56 - 150	6	31	9103817		10/22/09 11:06
Benzene		49.1		ug/L	50.0	98%	80 - 121	3	12	9103817		10/22/09 11:06
Bromobenzene		49.0		ug/L	50.0	98%	72 - 130	1	23	9103817		10/22/09 11:06
Bromochloromethane		48.7		ug/L	50.0	97%	73 - 137	3	32	9103817		10/22/09 11:06
Bromodichloromethane		48.8		ug/L	50.0	98%	75 - 131	0.5	13	9103817		10/22/09 11:06
Bromoform		52.5		ug/L	50.0	105%	65 - 140	3	18	9103817		10/22/09 11:06
Bromomethane		41.2		ug/L	50.0	82%	50 - 150	3	50	9103817		10/22/09 11:06
2-Butanone		250		ug/L	250	100%	70 - 144	3	37	9103817		10/22/09 11:06
sec-Butylbenzene		51.8		ug/L	50.0	104%	72 - 140	3	21	9103817		10/22/09 11:06
n-Butylbenzene		52.8		ug/L	50.0	106%	68 - 140	2	11	9103817		10/22/09 11:06
tert-Butylbenzene		48.9		ug/L	50.0	98%	76 - 135	2	20	9103817		10/22/09 11:06
Carbon disulfide		46.9		ug/L	50.0	94%	74 - 137	3	28	9103817		10/22/09 11:06
Carbon Tetrachloride		43.9		ug/L	50.0	88%	71 - 137	2	26	9103817		10/22/09 11:06
Chlorobenzene		49.2		ug/L	50.0	98%	80 - 121	0.9	11	9103817		10/22/09 11:06
Chlorodibromomethane		57.9		ug/L	50.0	116%	68 - 137	0.5	16	9103817		10/22/09 11:06
Chloroethane		62.0		ug/L	50.0	124%	50 - 146	2	35	9103817		10/22/09 11:06
Chloroform		45.2		ug/L	50.0	90%	73 - 131	1	32	9103817		10/22/09 11:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103817-BSD1												
Chloromethane		36.7		ug/L	50.0	73%	30 - 132	0.05	34	9103817		10/22/09 11:06
2-Chlorotoluene		47.9		ug/L	50.0	96%	74 - 135	3	22	9103817		10/22/09 11:06
4-Chlorotoluene		49.5		ug/L	50.0	99%	74 - 132	3	22	9103817		10/22/09 11:06
1,2-Dibromo-3-chloropropane		47.1		ug/L	50.0	94%	56 - 145	3	21	9103817		10/22/09 11:06
1,2-Dibromoethane (EDB)		54.5		ug/L	50.0	109%	80 - 135	3	10	9103817		10/22/09 11:06
Dibromomethane		53.6		ug/L	50.0	107%	78 - 133	2	11	9103817		10/22/09 11:06
1,4-Dichlorobenzene		48.5		ug/L	50.0	97%	80 - 120	0.2	10	9103817		10/22/09 11:06
1,3-Dichlorobenzene		48.8		ug/L	50.0	98%	80 - 128	1	18	9103817		10/22/09 11:06
1,2-Dichlorobenzene		50.2		ug/L	50.0	100%	80 - 125	0.2	11	9103817		10/22/09 11:06
Dichlorodifluoromethane		45.5		ug/L	50.0	91%	30 - 132	2	32	9103817		10/22/09 11:06
1,1-Dichloroethane		47.8		ug/L	50.0	96%	75 - 125	4	34	9103817		10/22/09 11:06
1,2-Dichloroethane		51.4		ug/L	50.0	103%	70 - 134	0.4	25	9103817		10/22/09 11:06
cis-1,2-Dichloroethene		50.3		ug/L	50.0	101%	71 - 132	2	32	9103817		10/22/09 11:06
1,1-Dichloroethene		50.8		ug/L	50.0	102%	73 - 125	1	31	9103817		10/22/09 11:06
trans-1,2-Dichloroethene		51.2		ug/L	50.0	102%	77 - 125	3	32	9103817		10/22/09 11:06
1,3-Dichloropropane		51.4		ug/L	50.0	103%	76 - 125	0.5	20	9103817		10/22/09 11:06
1,2-Dichloropropane		45.4		ug/L	50.0	91%	72 - 120	4	11	9103817		10/22/09 11:06
2,2-Dichloropropane		51.9		ug/L	50.0	104%	50 - 150	3	11	9103817		10/22/09 11:06
cis-1,3-Dichloropropene		52.8		ug/L	50.0	106%	70 - 140	0.6	35	9103817		10/22/09 11:06
trans-1,3-Dichloropropene		52.3		ug/L	50.0	105%	62 - 139	0.8	26	9103817		10/22/09 11:06
1,1-Dichloropropene		48.0		ug/L	50.0	96%	78 - 126	3	18	9103817		10/22/09 11:06
Ethylbenzene		51.9		ug/L	50.0	104%	78 - 133	2	12	9103817		10/22/09 11:06
Hexachlorobutadiene		52.3		ug/L	50.0	105%	70 - 150	2	21	9103817		10/22/09 11:06
2-Hexanone		269		ug/L	250	108%	60 - 150	2	20	9103817		10/22/09 11:06
Isopropylbenzene		53.2		ug/L	50.0	106%	69 - 120	2	15	9103817		10/22/09 11:06
p-Isopropyltoluene		50.4		ug/L	50.0	101%	72 - 134	3	18	9103817		10/22/09 11:06
Methyl tert-Butyl Ether		51.2		ug/L	50.0	102%	76 - 120	3	32	9103817		10/22/09 11:06
Methylene Chloride		45.7		ug/L	50.0	91%	80 - 133	0.2	36	9103817		10/22/09 11:06
4-Methyl-2-pentanone		272		ug/L	250	109%	62 - 146	2	35	9103817		10/22/09 11:06
Naphthalene		51.5		ug/L	50.0	103%	71 - 139	4	30	9103817		10/22/09 11:06
n-Propylbenzene		50.9		ug/L	50.0	102%	70 - 143	2	23	9103817		10/22/09 11:06
Styrene		53.7		ug/L	50.0	107%	80 - 136	0.5	29	9103817		10/22/09 11:06
1,1,1,2-Tetrachloroethane		54.3		ug/L	50.0	109%	80 - 130	3	11	9103817		10/22/09 11:06
1,1,2,2-Tetrachloroethane		53.7		ug/L	50.0	107%	73 - 131	4	28	9103817		10/22/09 11:06
Tetrachloroethene		50.9		ug/L	50.0	102%	77 - 131	4	16	9103817		10/22/09 11:06
Toluene		51.4		ug/L	50.0	103%	78 - 125	1	35	9103817		10/22/09 11:06
1,2,3-Trichlorobenzene		48.2		ug/L	50.0	96%	71 - 138	0.9	28	9103817		10/22/09 11:06
1,2,4-Trichlorobenzene		51.5		ug/L	50.0	103%	74 - 136	1	23	9103817		10/22/09 11:06
1,1,2-Trichloroethane		54.1		ug/L	50.0	108%	80 - 123	1	21	9103817		10/22/09 11:06
1,1,1-Trichloroethane		50.1		ug/L	50.0	100%	75 - 137	3	29	9103817		10/22/09 11:06
Trichloroethene		49.8		ug/L	50.0	100%	74 - 139	2	11	9103817		10/22/09 11:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103817-BSD1												
Trichlorofluoromethane		51.8		ug/L	50.0	104%	60 - 133	10	33	9103817		10/22/09 11:06
1,2,3-Trichloropropane		48.0		ug/L	50.0	96%	64 - 127	2	25	9103817		10/22/09 11:06
1,3,5-Trimethylbenzene		51.0		ug/L	50.0	102%	75 - 134	2	21	9103817		10/22/09 11:06
1,2,4-Trimethylbenzene		51.2		ug/L	50.0	102%	77 - 134	3	20	9103817		10/22/09 11:06
Vinyl chloride		47.5		ug/L	50.0	95%	60 - 122	2	32	9103817		10/22/09 11:06
Xylenes, total		155		ug/L	150	104%	78 - 134	2	18	9103817		10/22/09 11:06
Surrogate: 1,2-Dichloroethane-d4		26.6		ug/L	25.0	106%	63 - 140			9103817		10/22/09 11:06
Surrogate: Dibromofluoromethane		25.2		ug/L	25.0	101%	73 - 131			9103817		10/22/09 11:06
Surrogate: Toluene-d8		25.8		ug/L	25.0	103%	80 - 120			9103817		10/22/09 11:06
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	79 - 125			9103817		10/22/09 11:06
9103928-BSD1												
Acetone		294		ug/L	250	118%	56 - 150	0.7	31	9103928		10/23/09 12:05
Benzene		52.0		ug/L	50.0	104%	80 - 121	3	12	9103928		10/23/09 12:05
Bromobenzene		51.5		ug/L	50.0	103%	72 - 130	0.3	23	9103928		10/23/09 12:05
Bromochloromethane		55.3		ug/L	50.0	111%	73 - 137	9	32	9103928		10/23/09 12:05
Bromodichloromethane		50.3		ug/L	50.0	101%	75 - 131	2	13	9103928		10/23/09 12:05
Bromoform		48.9		ug/L	50.0	98%	65 - 140	1	18	9103928		10/23/09 12:05
Bromomethane		48.9		ug/L	50.0	98%	50 - 150	9	50	9103928		10/23/09 12:05
2-Butanone		283		ug/L	250	113%	70 - 144	0.5	37	9103928		10/23/09 12:05
sec-Butylbenzene		54.2		ug/L	50.0	108%	72 - 140	0.9	21	9103928		10/23/09 12:05
n-Butylbenzene		54.3		ug/L	50.0	109%	68 - 140	0.2	11	9103928		10/23/09 12:05
tert-Butylbenzene		50.8		ug/L	50.0	102%	76 - 135	2	20	9103928		10/23/09 12:05
Carbon disulfide		48.8		ug/L	50.0	98%	74 - 137	3	28	9103928		10/23/09 12:05
Carbon Tetrachloride		45.1		ug/L	50.0	90%	71 - 137	3	26	9103928		10/23/09 12:05
Chlorobenzene		49.8		ug/L	50.0	100%	80 - 121	5	11	9103928		10/23/09 12:05
Chlorodibromomethane		58.7		ug/L	50.0	117%	68 - 137	5	16	9103928		10/23/09 12:05
Chloroethane		69.3		ug/L	50.0	139%	50 - 146	10	35	9103928		10/23/09 12:05
Chloroform		46.2		ug/L	50.0	92%	73 - 131	2	32	9103928		10/23/09 12:05
Chloromethane		42.7		ug/L	50.0	85%	30 - 132	6	34	9103928		10/23/09 12:05
2-Chlorotoluene		50.5		ug/L	50.0	101%	74 - 135	0.6	22	9103928		10/23/09 12:05
4-Chlorotoluene		52.3		ug/L	50.0	105%	74 - 132	1	22	9103928		10/23/09 12:05
1,2-Dibromo-3-chloropropane		49.4		ug/L	50.0	99%	56 - 145	3	21	9103928		10/23/09 12:05
1,2-Dibromoethane (EDB)		56.0		ug/L	50.0	112%	80 - 135	4	10	9103928		10/23/09 12:05
Dibromomethane		55.5		ug/L	50.0	111%	78 - 133	0.6	11	9103928		10/23/09 12:05
1,4-Dichlorobenzene		47.9		ug/L	50.0	96%	80 - 120	0.3	10	9103928		10/23/09 12:05
1,3-Dichlorobenzene		48.9		ug/L	50.0	98%	80 - 128	2	18	9103928		10/23/09 12:05
1,2-Dichlorobenzene		50.2		ug/L	50.0	100%	80 - 125	2	11	9103928		10/23/09 12:05
Dichlorodifluoromethane		49.9		ug/L	50.0	100%	30 - 132	3	32	9103928		10/23/09 12:05
1,1-Dichloroethane		52.0		ug/L	50.0	104%	75 - 125	4	34	9103928		10/23/09 12:05
1,2-Dichloroethane		53.8		ug/L	50.0	108%	70 - 134	0.8	25	9103928		10/23/09 12:05

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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103928-BSD1												
cis-1,2-Dichloroethene		51.8		ug/L	50.0	104%	71 - 132	2	32	9103928		10/23/09 12:05
1,1-Dichloroethene		50.9		ug/L	50.0	102%	73 - 125	4	31	9103928		10/23/09 12:05
trans-1,2-Dichloroethene		53.7		ug/L	50.0	107%	77 - 125	0.8	32	9103928		10/23/09 12:05
1,3-Dichloropropane		55.0		ug/L	50.0	110%	76 - 125	3	20	9103928		10/23/09 12:05
1,2-Dichloropropane		48.8		ug/L	50.0	98%	72 - 120	2	11	9103928		10/23/09 12:05
2,2-Dichloropropane		46.7		ug/L	50.0	93%	50 - 150	5	11	9103928		10/23/09 12:05
cis-1,3-Dichloropropene		52.3		ug/L	50.0	105%	70 - 140	3	35	9103928		10/23/09 12:05
trans-1,3-Dichloropropene		53.6		ug/L	50.0	107%	62 - 139	5	26	9103928		10/23/09 12:05
1,1-Dichloropropene		50.9		ug/L	50.0	102%	78 - 126	4	18	9103928		10/23/09 12:05
Ethylbenzene		53.8		ug/L	50.0	108%	78 - 133	5	12	9103928		10/23/09 12:05
Hexachlorobutadiene		47.1		ug/L	50.0	94%	70 - 150	4	21	9103928		10/23/09 12:05
2-Hexanone		298		ug/L	250	119%	60 - 150	3	20	9103928		10/23/09 12:05
Isopropylbenzene		54.4		ug/L	50.0	109%	69 - 120	4	15	9103928		10/23/09 12:05
p-Isopropyltoluene		51.9		ug/L	50.0	104%	72 - 134	0.8	18	9103928		10/23/09 12:05
Methyl tert-Butyl Ether		54.6		ug/L	50.0	109%	76 - 120	2	32	9103928		10/23/09 12:05
Methylene Chloride		50.1		ug/L	50.0	100%	80 - 133	7	36	9103928		10/23/09 12:05
4-Methyl-2-pentanone		293		ug/L	250	117%	62 - 146	2	35	9103928		10/23/09 12:05
Naphthalene		52.9		ug/L	50.0	106%	71 - 139	0.04	30	9103928		10/23/09 12:05
n-Propylbenzene		53.4		ug/L	50.0	107%	70 - 143	0.5	23	9103928		10/23/09 12:05
Styrene		54.8		ug/L	50.0	110%	80 - 136	5	29	9103928		10/23/09 12:05
1,1,1,2-Tetrachloroethane		53.4		ug/L	50.0	107%	80 - 130	2	11	9103928		10/23/09 12:05
1,1,2,2-Tetrachloroethane		55.5		ug/L	50.0	111%	73 - 131	0.07	28	9103928		10/23/09 12:05
Tetrachloroethene		50.1		ug/L	50.0	100%	77 - 131	5	16	9103928		10/23/09 12:05
Toluene		53.6		ug/L	50.0	107%	78 - 125	5	35	9103928		10/23/09 12:05
1,2,3-Trichlorobenzene		46.3		ug/L	50.0	93%	71 - 138	2	28	9103928		10/23/09 12:05
1,2,4-Trichlorobenzene		48.3		ug/L	50.0	97%	74 - 136	0.9	23	9103928		10/23/09 12:05
1,1,2-Trichloroethane		54.8		ug/L	50.0	110%	80 - 123	0.6	21	9103928		10/23/09 12:05
1,1,1-Trichloroethane		53.3		ug/L	50.0	107%	75 - 137	5	29	9103928		10/23/09 12:05
Trichloroethene		50.0		ug/L	50.0	100%	74 - 139	2	11	9103928		10/23/09 12:05
Trichlorofluoromethane		64.0		ug/L	50.0	128%	60 - 133	6	33	9103928		10/23/09 12:05
1,2,3-Trichloropropane		51.3		ug/L	50.0	103%	64 - 127	2	25	9103928		10/23/09 12:05
1,3,5-Trimethylbenzene		53.0		ug/L	50.0	106%	75 - 134	1	21	9103928		10/23/09 12:05
1,2,4-Trimethylbenzene		53.2		ug/L	50.0	106%	77 - 134	2	20	9103928		10/23/09 12:05
Vinyl chloride		48.8		ug/L	50.0	98%	60 - 122	3	32	9103928		10/23/09 12:05
Xylenes, total		161		ug/L	150	108%	78 - 134	5	18	9103928		10/23/09 12:05
Surrogate: 1,2-Dichloroethane-d4		27.4		ug/L	25.0	110%	63 - 140			9103928		10/23/09 12:05
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100%	73 - 131			9103928		10/23/09 12:05
Surrogate: Toluene-d8		26.6		ug/L	25.0	106%	80 - 120			9103928		10/23/09 12:05
Surrogate: 4-Bromofluorobenzene		26.2		ug/L	25.0	105%	79 - 125			9103928		10/23/09 12:05

9104017-BSD1

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9104017-BSD1												
Acetone		220		ug/L	250	88%	56 - 150	4	31	9104017		10/23/09 09:06
Benzene		48.9		ug/L	50.0	98%	80 - 121	1	12	9104017		10/23/09 09:06
Bromobenzene		47.0		ug/L	50.0	94%	72 - 130	0.8	23	9104017		10/23/09 09:06
Bromochloromethane		52.0		ug/L	50.0	104%	73 - 137	1	32	9104017		10/23/09 09:06
Bromodichloromethane		53.5		ug/L	50.0	107%	75 - 131	0.9	13	9104017		10/23/09 09:06
Bromoform		60.1		ug/L	50.0	120%	65 - 140	0.5	18	9104017		10/23/09 09:06
Bromomethane		58.8		ug/L	50.0	118%	50 - 150	3	50	9104017		10/23/09 09:06
2-Butanone		264		ug/L	250	105%	70 - 144	2	37	9104017		10/23/09 09:06
sec-Butylbenzene		50.0		ug/L	50.0	100%	72 - 140	2	21	9104017		10/23/09 09:06
n-Butylbenzene		48.0		ug/L	50.0	96%	68 - 140	2	11	9104017		10/23/09 09:06
tert-Butylbenzene		50.3		ug/L	50.0	101%	76 - 135	2	20	9104017		10/23/09 09:06
Carbon disulfide		45.9		ug/L	50.0	92%	74 - 137	3	28	9104017		10/23/09 09:06
Carbon Tetrachloride		57.6		ug/L	50.0	115%	71 - 137	0.7	26	9104017		10/23/09 09:06
Chlorobenzene		51.8		ug/L	50.0	104%	80 - 121	0.2	11	9104017		10/23/09 09:06
Chlorodibromomethane		53.6		ug/L	50.0	107%	68 - 137	2	16	9104017		10/23/09 09:06
Chloroethane		48.8		ug/L	50.0	98%	50 - 146	4	35	9104017		10/23/09 09:06
Chloroform		50.4		ug/L	50.0	101%	73 - 131	0.5	32	9104017		10/23/09 09:06
Chloromethane		30.9		ug/L	50.0	62%	30 - 132	7	34	9104017		10/23/09 09:06
2-Chlorotoluene		47.1		ug/L	50.0	94%	74 - 135	2	22	9104017		10/23/09 09:06
4-Chlorotoluene		46.7		ug/L	50.0	93%	74 - 132	2	22	9104017		10/23/09 09:06
1,2-Dibromo-3-chloropropane		48.4		ug/L	50.0	97%	56 - 145	0.5	21	9104017		10/23/09 09:06
1,2-Dibromoethane (EDB)		50.9		ug/L	50.0	102%	80 - 135	2	10	9104017		10/23/09 09:06
Dibromomethane		56.2		ug/L	50.0	112%	78 - 133	2	11	9104017		10/23/09 09:06
1,4-Dichlorobenzene		51.6		ug/L	50.0	103%	80 - 120	1	10	9104017		10/23/09 09:06
1,3-Dichlorobenzene		52.2		ug/L	50.0	104%	80 - 128	2	18	9104017		10/23/09 09:06
1,2-Dichlorobenzene		55.7		ug/L	50.0	111%	80 - 125	3	11	9104017		10/23/09 09:06
Dichlorodifluoromethane		57.3		ug/L	50.0	115%	30 - 132	8	32	9104017		10/23/09 09:06
1,1-Dichloroethane		48.2		ug/L	50.0	96%	75 - 125	1	34	9104017		10/23/09 09:06
1,2-Dichloroethane		55.1		ug/L	50.0	110%	70 - 134	2	25	9104017		10/23/09 09:06
cis-1,2-Dichloroethene		50.1		ug/L	50.0	100%	71 - 132	0.8	32	9104017		10/23/09 09:06
1,1-Dichloroethene		49.2		ug/L	50.0	98%	73 - 125	2	31	9104017		10/23/09 09:06
trans-1,2-Dichloroethene		48.4		ug/L	50.0	97%	77 - 125	1	32	9104017		10/23/09 09:06
1,3-Dichloropropane		47.8		ug/L	50.0	96%	76 - 125	1	20	9104017		10/23/09 09:06
1,2-Dichloropropane		46.7		ug/L	50.0	93%	72 - 120	2	11	9104017		10/23/09 09:06
2,2-Dichloropropane		53.3		ug/L	50.0	107%	50 - 150	2	11	9104017		10/23/09 09:06
cis-1,3-Dichloropropene		45.8		ug/L	50.0	92%	70 - 140	1	35	9104017		10/23/09 09:06
trans-1,3-Dichloropropene		47.6		ug/L	50.0	95%	62 - 139	2	26	9104017		10/23/09 09:06
1,1-Dichloropropene		51.1		ug/L	50.0	102%	78 - 126	2	18	9104017		10/23/09 09:06
Ethylbenzene		48.5		ug/L	50.0	97%	78 - 133	0.2	12	9104017		10/23/09 09:06
Hexachlorobutadiene		56.2		ug/L	50.0	112%	70 - 150	0.4	21	9104017		10/23/09 09:06
2-Hexanone		242		ug/L	250	97%	60 - 150	2	20	9104017		10/23/09 09:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9104017-BSD1												
Isopropylbenzene		50.8		ug/L	50.0	102%	69 - 120	0.6	15	9104017		10/23/09 09:06
p-Isopropyltoluene		49.9		ug/L	50.0	100%	72 - 134	2	18	9104017		10/23/09 09:06
Methyl tert-Butyl Ether		50.9		ug/L	50.0	102%	76 - 120	2	32	9104017		10/23/09 09:06
Methylene Chloride		46.6		ug/L	50.0	93%	80 - 133	1	36	9104017		10/23/09 09:06
4-Methyl-2-pentanone		236		ug/L	250	94%	62 - 146	2	35	9104017		10/23/09 09:06
Naphthalene		52.4		ug/L	50.0	105%	71 - 139	0.7	30	9104017		10/23/09 09:06
n-Propylbenzene		47.1		ug/L	50.0	94%	70 - 143	2	23	9104017		10/23/09 09:06
Styrene		51.7		ug/L	50.0	103%	80 - 136	0.3	29	9104017		10/23/09 09:06
1,1,1,2-Tetrachloroethane		54.1		ug/L	50.0	108%	80 - 130	0.07	11	9104017		10/23/09 09:06
1,1,2,2-Tetrachloroethane		48.8		ug/L	50.0	98%	73 - 131	0.08	28	9104017		10/23/09 09:06
Tetrachloroethene		54.2		ug/L	50.0	108%	77 - 131	0.07	16	9104017		10/23/09 09:06
Toluene		47.0		ug/L	50.0	94%	78 - 125	0.8	35	9104017		10/23/09 09:06
1,2,3-Trichlorobenzene		56.6		ug/L	50.0	113%	71 - 138	1	28	9104017		10/23/09 09:06
1,2,4-Trichlorobenzene		57.7		ug/L	50.0	115%	74 - 136	0.7	23	9104017		10/23/09 09:06
1,1,2-Trichloroethane		49.7		ug/L	50.0	99%	80 - 123	2	21	9104017		10/23/09 09:06
1,1,1-Trichloroethane		55.4		ug/L	50.0	111%	75 - 137	0.8	29	9104017		10/23/09 09:06
Trichloroethene		56.7		ug/L	50.0	113%	74 - 139	1	11	9104017		10/23/09 09:06
Trichlorofluoromethane		56.3		ug/L	50.0	113%	60 - 133	4	33	9104017		10/23/09 09:06
1,2,3-Trichloropropane		44.0		ug/L	50.0	88%	64 - 127	0.05	25	9104017		10/23/09 09:06
1,3,5-Trimethylbenzene		49.5		ug/L	50.0	99%	75 - 134	2	21	9104017		10/23/09 09:06
1,2,4-Trimethylbenzene		49.0		ug/L	50.0	98%	77 - 134	1	20	9104017		10/23/09 09:06
Vinyl chloride		50.6		ug/L	50.0	101%	60 - 122	6	32	9104017		10/23/09 09:06
Xylenes, total		146		ug/L	150	97%	78 - 134	0.2	18	9104017		10/23/09 09:06
1,1,2-Trifluorotrichloroethane		53.0		ug/L	50.0	106%	73 - 134	4	17	9104017		10/23/09 09:06
Surrogate: 1,2-Dichloroethane-d4		25.8		ug/L	25.0	103%	63 - 140			9104017		10/23/09 09:06
Surrogate: Dibromofluoromethane		26.4		ug/L	25.0	105%	73 - 131			9104017		10/23/09 09:06
Surrogate: Toluene-d8		23.0		ug/L	25.0	92%	80 - 120			9104017		10/23/09 09:06
Surrogate: 4-Bromofluorobenzene		22.9		ug/L	25.0	92%	79 - 125			9104017		10/23/09 09:06

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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Work Order: NSJ2007
 Project Name: Former Taylor Instruments
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
9104570-MS1										
Total Organic Carbon	21.7	37.2		mg/L	20.0	77%	74 - 134	9104570	NSJ2210-01	10/28/09 13:56
9104989-MS1										
Total Organic Carbon	32.5	49.1		mg/L	20.0	83%	74 - 134	9104989	NSJ2490-01	10/29/09 14:53
Methane, Ethane, and Ethene by GC										
9103840-MS1										
Ethene	ND	2160		ug/L	2340	92%	71 - 120	9103840	NSJ1744-01	10/26/09 13:52
Methane	13.0	1400		ug/L	1330	104%	46 - 142	9103840	NSJ1744-01	10/26/09 13:52
Surrogate: Acetylene		2280		ug/L	2160	106%	70 - 122	9103840	NSJ1744-01	10/26/09 13:52
Surrogate: Acetylene		2280		ug/L	2160	106%	70 - 122	9103840	NSJ1744-01	10/26/09 13:52
Volatile Organic Compounds by EPA Method 8260B										
9103393-MS1										
Acetone	1350	3560		ug/L	2500	88%	56 - 150	9103393	NSJ1511-04RE 1	10/22/09 17:02
Benzene	ND	517		ug/L	500	103%	65 - 151	9103393	NSJ1511-04RE 1	10/22/09 17:02
Bromobenzene	ND	504		ug/L	500	101%	69 - 142	9103393	NSJ1511-04RE 1	10/22/09 17:02
Bromochloromethane	ND	522		ug/L	500	104%	64 - 154	9103393	NSJ1511-04RE 1	10/22/09 17:02
Bromodichloromethane	ND	556		ug/L	500	111%	75 - 138	9103393	NSJ1511-04RE 1	10/22/09 17:02
Bromoform	ND	617		ug/L	500	123%	55 - 153	9103393	NSJ1511-04RE 1	10/22/09 17:02
Bromomethane	ND	536		ug/L	500	107%	13 - 176	9103393	NSJ1511-04RE 1	10/22/09 17:02
2-Butanone	169	2990		ug/L	2500	113%	45 - 164	9103393	NSJ1511-04RE 1	10/22/09 17:02
sec-Butylbenzene	ND	549		ug/L	500	110%	68 - 159	9103393	NSJ1511-04RE 1	10/22/09 17:02
n-Butylbenzene	ND	538		ug/L	500	108%	67 - 151	9103393	NSJ1511-04RE 1	10/22/09 17:02
tert-Butylbenzene	ND	548		ug/L	500	110%	73 - 153	9103393	NSJ1511-04RE 1	10/22/09 17:02
Carbon disulfide	ND	478		ug/L	500	96%	33 - 187	9103393	NSJ1511-04RE 1	10/22/09 17:02
Carbon Tetrachloride	ND	596		ug/L	500	119%	64 - 157	9103393	NSJ1511-04RE 1	10/22/09 17:02
Chlorobenzene	ND	548		ug/L	500	110%	78 - 136	9103393	NSJ1511-04RE 1	10/22/09 17:02
Chlorodibromomethane	ND	568		ug/L	500	114%	64 - 145	9103393	NSJ1511-04RE 1	10/22/09 17:02
Chloroethane	73.4	486		ug/L	500	83%	48 - 159	9103393	NSJ1511-04RE 1	10/22/09 17:02

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103393-MS1										
Chloroform	ND	525		ug/L	500	105%	72 - 145	9103393	NSJ1511-04RE 1	10/22/09 17:02
Chloromethane	ND	299		ug/L	500	60%	10 - 194	9103393	NSJ1511-04RE 1	10/22/09 17:02
2-Chlorotoluene	ND	510		ug/L	500	102%	66 - 155	9103393	NSJ1511-04RE 1	10/22/09 17:02
4-Chlorotoluene	ND	501		ug/L	500	100%	69 - 149	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2-Dibromo-3-chloropropane	ND	501		ug/L	500	100%	49 - 162	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2-Dibromoethane (EDB)	ND	540		ug/L	500	108%	70 - 152	9103393	NSJ1511-04RE 1	10/22/09 17:02
Dibromomethane	ND	572		ug/L	500	114%	75 - 141	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,4-Dichlorobenzene	ND	542		ug/L	500	108%	75 - 135	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,3-Dichlorobenzene	ND	553		ug/L	500	111%	72 - 146	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2-Dichlorobenzene	ND	587		ug/L	500	117%	80 - 136	9103393	NSJ1511-04RE 1	10/22/09 17:02
Dichlorodifluoromethane	ND	512		ug/L	500	102%	23 - 159	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1-Dichloroethane	ND	500		ug/L	500	100%	64 - 154	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2-Dichloroethane	12.5	567		ug/L	500	111%	72 - 137	9103393	NSJ1511-04RE 1	10/22/09 17:02
cis-1,2-Dichloroethene	ND	533		ug/L	500	107%	57 - 154	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1-Dichloroethene	ND	512		ug/L	500	102%	34 - 151	9103393	NSJ1511-04RE 1	10/22/09 17:02
trans-1,2-Dichloroethene	ND	507		ug/L	500	101%	57 - 157	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,3-Dichloropropane	ND	515		ug/L	500	103%	71 - 137	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2-Dichloropropane	ND	493		ug/L	500	99%	71 - 139	9103393	NSJ1511-04RE 1	10/22/09 17:02
2,2-Dichloropropane	ND	593		ug/L	500	119%	10 - 198	9103393	NSJ1511-04RE 1	10/22/09 17:02
cis-1,3-Dichloropropene	ND	498		ug/L	500	100%	56 - 156	9103393	NSJ1511-04RE 1	10/22/09 17:02
trans-1,3-Dichloropropene	ND	512		ug/L	500	102%	47 - 157	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1-Dichloropropene	ND	546		ug/L	500	109%	70 - 155	9103393	NSJ1511-04RE 1	10/22/09 17:02
Ethylbenzene	ND	518		ug/L	500	104%	68 - 157	9103393	NSJ1511-04RE 1	10/22/09 17:02
Hexachlorobutadiene	ND	617		ug/L	500	123%	47 - 173	9103393	NSJ1511-04RE 1	10/22/09 17:02

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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103393-MS1										
2-Hexanone	ND	2640		ug/L	2500	106%	57 - 154	9103393	NSJ1511-04RE 1	10/22/09 17:02
Isopropylbenzene	ND	550		ug/L	500	110%	69 - 139	9103393	NSJ1511-04RE 1	10/22/09 17:02
p-Isopropyltoluene	ND	544		ug/L	500	109%	69 - 151	9103393	NSJ1511-04RE 1	10/22/09 17:02
Methyl tert-Butyl Ether	ND	533		ug/L	500	107%	56 - 152	9103393	NSJ1511-04RE 1	10/22/09 17:02
Methylene Chloride	8.30	487		ug/L	500	96%	71 - 136	9103393	NSJ1511-04RE 1	10/22/09 17:02
4-Methyl-2-pentanone	38.3	2550		ug/L	2500	101%	62 - 159	9103393	NSJ1511-04RE 1	10/22/09 17:02
Naphthalene	ND	555		ug/L	500	111%	56 - 161	9103393	NSJ1511-04RE 1	10/22/09 17:02
n-Propylbenzene	ND	520		ug/L	500	104%	61 - 167	9103393	NSJ1511-04RE 1	10/22/09 17:02
Styrene	ND	547		ug/L	500	109%	69 - 150	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1,1,2-Tetrachloroethane	ND	569		ug/L	500	114%	80 - 140	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1,2,2-Tetrachloroethane	ND	526		ug/L	500	105%	76 - 141	9103393	NSJ1511-04RE 1	10/22/09 17:02
Tetrachloroethene	ND	582		ug/L	500	116%	63 - 155	9103393	NSJ1511-04RE 1	10/22/09 17:02
Toluene	ND	504		ug/L	500	101%	61 - 153	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2,3-Trichlorobenzene	ND	585		ug/L	500	117%	57 - 155	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2,4-Trichlorobenzene	ND	606		ug/L	500	121%	64 - 147	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1,2-Trichloroethane	ND	534		ug/L	500	107%	74 - 138	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,1,1-Trichloroethane	ND	579		ug/L	500	116%	78 - 153	9103393	NSJ1511-04RE 1	10/22/09 17:02
Trichloroethene	ND	595		ug/L	500	119%	74 - 139	9103393	NSJ1511-04RE 1	10/22/09 17:02
Trichlorofluoromethane	ND	570		ug/L	500	114%	53 - 149	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2,3-Trichloropropane	ND	475		ug/L	500	95%	49 - 148	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,3,5-Trimethylbenzene	ND	534		ug/L	500	107%	67 - 151	9103393	NSJ1511-04RE 1	10/22/09 17:02
1,2,4-Trimethylbenzene	ND	528		ug/L	500	106%	69 - 150	9103393	NSJ1511-04RE 1	10/22/09 17:02
Vinyl chloride	ND	512		ug/L	500	102%	53 - 137	9103393	NSJ1511-04RE 1	10/22/09 17:02
Xylenes, total	ND	1550		ug/L	1500	103%	68 - 158	9103393	NSJ1511-04RE 1	10/22/09 17:02

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 1725 Louisville Drive
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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103393-MS1										
<i>Surrogate: 1,2-Dichloroethane-d4</i>		25.8		ug/L	25.0	103%	63 - 140	9103393	NSJ1511-04RE 1	10/22/09 17:02
<i>Surrogate: Dibromofluoromethane</i>		25.8		ug/L	25.0	103%	73 - 131	9103393	NSJ1511-04RE 1	10/22/09 17:02
<i>Surrogate: Toluene-d8</i>		23.3		ug/L	25.0	93%	80 - 120	9103393	NSJ1511-04RE 1	10/22/09 17:02
<i>Surrogate: 4-Bromofluorobenzene</i>		23.1		ug/L	25.0	93%	79 - 125	9103393	NSJ1511-04RE 1	10/22/09 17:02
9103805-MS1										
Acetone	ND	235		ug/L	250	94%	56 - 150	9103805	NSJ2007-12	10/23/09 04:19
Benzene	ND	53.0		ug/L	50.0	106%	65 - 151	9103805	NSJ2007-12	10/23/09 04:19
Bromobenzene	ND	49.5		ug/L	50.0	99%	69 - 142	9103805	NSJ2007-12	10/23/09 04:19
Bromochloromethane	ND	55.5		ug/L	50.0	111%	64 - 154	9103805	NSJ2007-12	10/23/09 04:19
Bromodichloromethane	ND	57.8		ug/L	50.0	116%	75 - 138	9103805	NSJ2007-12	10/23/09 04:19
Bromoform	ND	65.0		ug/L	50.0	130%	55 - 153	9103805	NSJ2007-12	10/23/09 04:19
Bromomethane	ND	60.2		ug/L	50.0	120%	13 - 176	9103805	NSJ2007-12	10/23/09 04:19
2-Butanone	ND	281		ug/L	250	112%	45 - 164	9103805	NSJ2007-12	10/23/09 04:19
sec-Butylbenzene	ND	53.6		ug/L	50.0	107%	68 - 159	9103805	NSJ2007-12	10/23/09 04:19
n-Butylbenzene	ND	51.6		ug/L	50.0	103%	67 - 151	9103805	NSJ2007-12	10/23/09 04:19
tert-Butylbenzene	ND	55.2		ug/L	50.0	110%	73 - 153	9103805	NSJ2007-12	10/23/09 04:19
Carbon disulfide	ND	46.6		ug/L	50.0	93%	33 - 187	9103805	NSJ2007-12	10/23/09 04:19
Carbon Tetrachloride	ND	62.3		ug/L	50.0	125%	64 - 157	9103805	NSJ2007-12	10/23/09 04:19
Chlorobenzene	ND	55.4		ug/L	50.0	111%	78 - 136	9103805	NSJ2007-12	10/23/09 04:19
Chlorodibromomethane	ND	58.3		ug/L	50.0	117%	64 - 145	9103805	NSJ2007-12	10/23/09 04:19
Chloroethane	ND	54.1		ug/L	50.0	108%	48 - 159	9103805	NSJ2007-12	10/23/09 04:19
Chloroform	ND	54.7		ug/L	50.0	109%	72 - 145	9103805	NSJ2007-12	10/23/09 04:19
Chloromethane	ND	30.4		ug/L	50.0	61%	10 - 194	9103805	NSJ2007-12	10/23/09 04:19
2-Chlorotoluene	ND	49.8		ug/L	50.0	100%	66 - 155	9103805	NSJ2007-12	10/23/09 04:19
4-Chlorotoluene	ND	48.8		ug/L	50.0	98%	69 - 149	9103805	NSJ2007-12	10/23/09 04:19
1,2-Dibromo-3-chloropropane	ND	50.4		ug/L	50.0	101%	49 - 162	9103805	NSJ2007-12	10/23/09 04:19
1,2-Dibromoethane (EDB)	ND	56.0		ug/L	50.0	112%	70 - 152	9103805	NSJ2007-12	10/23/09 04:19
Dibromomethane	ND	61.4		ug/L	50.0	123%	75 - 141	9103805	NSJ2007-12	10/23/09 04:19
1,4-Dichlorobenzene	ND	53.5		ug/L	50.0	107%	75 - 135	9103805	NSJ2007-12	10/23/09 04:19
1,3-Dichlorobenzene	ND	54.0		ug/L	50.0	108%	72 - 146	9103805	NSJ2007-12	10/23/09 04:19
1,2-Dichlorobenzene	ND	58.1		ug/L	50.0	116%	80 - 136	9103805	NSJ2007-12	10/23/09 04:19
Dichlorodifluoromethane	ND	53.6		ug/L	50.0	107%	23 - 159	9103805	NSJ2007-12	10/23/09 04:19
1,1-Dichloroethane	ND	51.6		ug/L	50.0	103%	64 - 154	9103805	NSJ2007-12	10/23/09 04:19
1,2-Dichloroethane	ND	59.8		ug/L	50.0	120%	72 - 137	9103805	NSJ2007-12	10/23/09 04:19

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103805-MS1										
cis-1,2-Dichloroethene	1.10	54.4		ug/L	50.0	107%	57 - 154	9103805	NSJ2007-12	10/23/09 04:19
1,1-Dichloroethene	ND	53.3		ug/L	50.0	107%	34 - 151	9103805	NSJ2007-12	10/23/09 04:19
trans-1,2-Dichloroethene	ND	52.0		ug/L	50.0	104%	57 - 157	9103805	NSJ2007-12	10/23/09 04:19
1,3-Dichloropropane	ND	52.2		ug/L	50.0	104%	71 - 137	9103805	NSJ2007-12	10/23/09 04:19
1,2-Dichloropropane	ND	50.8		ug/L	50.0	102%	71 - 139	9103805	NSJ2007-12	10/23/09 04:19
2,2-Dichloropropane	ND	51.3		ug/L	50.0	103%	10 - 198	9103805	NSJ2007-12	10/23/09 04:19
cis-1,3-Dichloropropene	ND	48.8		ug/L	50.0	98%	56 - 156	9103805	NSJ2007-12	10/23/09 04:19
trans-1,3-Dichloropropene	ND	50.5		ug/L	50.0	101%	47 - 157	9103805	NSJ2007-12	10/23/09 04:19
1,1-Dichloropropene	ND	55.0		ug/L	50.0	110%	70 - 155	9103805	NSJ2007-12	10/23/09 04:19
Ethylbenzene	ND	51.9		ug/L	50.0	104%	68 - 157	9103805	NSJ2007-12	10/23/09 04:19
Hexachlorobutadiene	ND	57.8		ug/L	50.0	116%	47 - 173	9103805	NSJ2007-12	10/23/09 04:19
2-Hexanone	ND	267		ug/L	250	107%	57 - 154	9103805	NSJ2007-12	10/23/09 04:19
Isopropylbenzene	ND	55.2		ug/L	50.0	110%	69 - 139	9103805	NSJ2007-12	10/23/09 04:19
p-Isopropyltoluene	ND	53.4		ug/L	50.0	107%	69 - 151	9103805	NSJ2007-12	10/23/09 04:19
Methyl tert-Butyl Ether	ND	55.0		ug/L	50.0	110%	56 - 152	9103805	NSJ2007-12	10/23/09 04:19
Methylene Chloride	ND	49.6		ug/L	50.0	99%	71 - 136	9103805	NSJ2007-12	10/23/09 04:19
4-Methyl-2-pentanone	ND	262		ug/L	250	105%	62 - 159	9103805	NSJ2007-12	10/23/09 04:19
Naphthalene	ND	54.1		ug/L	50.0	108%	56 - 161	9103805	NSJ2007-12	10/23/09 04:19
n-Propylbenzene	ND	50.1		ug/L	50.0	100%	61 - 167	9103805	NSJ2007-12	10/23/09 04:19
Styrene	ND	54.9		ug/L	50.0	110%	69 - 150	9103805	NSJ2007-12	10/23/09 04:19
1,1,1,2-Tetrachloroethane	ND	58.6		ug/L	50.0	117%	80 - 140	9103805	NSJ2007-12	10/23/09 04:19
1,1,2,2-Tetrachloroethane	ND	51.9		ug/L	50.0	104%	76 - 141	9103805	NSJ2007-12	10/23/09 04:19
Tetrachloroethene	ND	58.3		ug/L	50.0	117%	63 - 155	9103805	NSJ2007-12	10/23/09 04:19
Toluene	ND	50.9		ug/L	50.0	102%	61 - 153	9103805	NSJ2007-12	10/23/09 04:19
1,2,3-Trichlorobenzene	ND	55.5		ug/L	50.0	111%	57 - 155	9103805	NSJ2007-12	10/23/09 04:19
1,2,4-Trichlorobenzene	ND	57.9		ug/L	50.0	116%	64 - 147	9103805	NSJ2007-12	10/23/09 04:19
1,1,2-Trichloroethane	ND	54.0		ug/L	50.0	108%	74 - 138	9103805	NSJ2007-12	10/23/09 04:19
1,1,1-Trichloroethane	ND	60.7		ug/L	50.0	121%	78 - 153	9103805	NSJ2007-12	10/23/09 04:19
Trichloroethene	13.3	74.0		ug/L	50.0	121%	74 - 139	9103805	NSJ2007-12	10/23/09 04:19
Trichlorofluoromethane	ND	62.2		ug/L	50.0	124%	53 - 149	9103805	NSJ2007-12	10/23/09 04:19
1,2,3-Trichloropropane	ND	46.3		ug/L	50.0	93%	49 - 148	9103805	NSJ2007-12	10/23/09 04:19
1,3,5-Trimethylbenzene	ND	52.4		ug/L	50.0	105%	67 - 151	9103805	NSJ2007-12	10/23/09 04:19
1,2,4-Trimethylbenzene	ND	51.8		ug/L	50.0	104%	69 - 150	9103805	NSJ2007-12	10/23/09 04:19
Vinyl chloride	ND	53.7		ug/L	50.0	107%	53 - 137	9103805	NSJ2007-12	10/23/09 04:19
Xylenes, total	ND	156		ug/L	150	104%	68 - 158	9103805	NSJ2007-12	10/23/09 04:19
Surrogate: 1,2-Dichloroethane-d4		26.0		ug/L	25.0	104%	63 - 140	9103805	NSJ2007-12	10/23/09 04:19
Surrogate: Dibromofluoromethane		26.2		ug/L	25.0	105%	73 - 131	9103805	NSJ2007-12	10/23/09 04:19

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103805-MS1										
<i>Surrogate: Toluene-d8</i>		23.3		ug/L	25.0	93%	80 - 120	9103805	NSJ2007-12	10/23/09 04:19
<i>Surrogate: 4-Bromofluorobenzene</i>		22.7		ug/L	25.0	91%	79 - 125	9103805	NSJ2007-12	10/23/09 04:19
9103817-MS1										
Acetone	ND	292		ug/L	250	117%	56 - 150	9103817	NSJ2007-30	10/22/09 20:02
Benzene	ND	63.1		ug/L	50.0	126%	65 - 151	9103817	NSJ2007-30	10/22/09 20:02
Bromobenzene	ND	62.7		ug/L	50.0	125%	69 - 142	9103817	NSJ2007-30	10/22/09 20:02
Bromochloromethane	ND	56.4		ug/L	50.0	113%	64 - 154	9103817	NSJ2007-30	10/22/09 20:02
Bromodichloromethane	ND	60.5		ug/L	50.0	121%	75 - 138	9103817	NSJ2007-30	10/22/09 20:02
Bromoform	ND	63.5		ug/L	50.0	127%	55 - 153	9103817	NSJ2007-30	10/22/09 20:02
Bromomethane	ND	38.5		ug/L	50.0	77%	13 - 176	9103817	NSJ2007-30	10/22/09 20:02
2-Butanone	ND	329		ug/L	250	132%	45 - 164	9103817	NSJ2007-30	10/22/09 20:02
sec-Butylbenzene	ND	67.2		ug/L	50.0	134%	68 - 159	9103817	NSJ2007-30	10/22/09 20:02
n-Butylbenzene	ND	68.4		ug/L	50.0	137%	67 - 151	9103817	NSJ2007-30	10/22/09 20:02
tert-Butylbenzene	ND	62.6		ug/L	50.0	125%	73 - 153	9103817	NSJ2007-30	10/22/09 20:02
Carbon disulfide	ND	58.2		ug/L	50.0	116%	33 - 187	9103817	NSJ2007-30	10/22/09 20:02
Carbon Tetrachloride	ND	56.0		ug/L	50.0	112%	64 - 157	9103817	NSJ2007-30	10/22/09 20:02
Chlorobenzene	ND	62.1		ug/L	50.0	124%	78 - 136	9103817	NSJ2007-30	10/22/09 20:02
Chlorodibromomethane	ND	70.6		ug/L	50.0	141%	64 - 145	9103817	NSJ2007-30	10/22/09 20:02
Chloroethane	ND	51.2		ug/L	50.0	102%	48 - 159	9103817	NSJ2007-30	10/22/09 20:02
Chloroform	ND	57.3		ug/L	50.0	115%	72 - 145	9103817	NSJ2007-30	10/22/09 20:02
Chloromethane	ND	27.2		ug/L	50.0	54%	10 - 194	9103817	NSJ2007-30	10/22/09 20:02
2-Chlorotoluene	ND	61.3		ug/L	50.0	123%	66 - 155	9103817	NSJ2007-30	10/22/09 20:02
4-Chlorotoluene	ND	63.5		ug/L	50.0	127%	69 - 149	9103817	NSJ2007-30	10/22/09 20:02
1,2-Dibromo-3-chloropropane	ND	60.5		ug/L	50.0	121%	49 - 162	9103817	NSJ2007-30	10/22/09 20:02
1,2-Dibromoethane (EDB)	ND	67.7		ug/L	50.0	135%	70 - 152	9103817	NSJ2007-30	10/22/09 20:02
Dibromomethane	ND	67.2		ug/L	50.0	134%	75 - 141	9103817	NSJ2007-30	10/22/09 20:02
1,4-Dichlorobenzene	ND	59.9		ug/L	50.0	120%	75 - 135	9103817	NSJ2007-30	10/22/09 20:02
1,3-Dichlorobenzene	ND	61.4		ug/L	50.0	123%	72 - 146	9103817	NSJ2007-30	10/22/09 20:02
1,2-Dichlorobenzene	ND	63.4		ug/L	50.0	127%	80 - 136	9103817	NSJ2007-30	10/22/09 20:02
Dichlorodifluoromethane	ND	28.9		ug/L	50.0	58%	23 - 159	9103817	NSJ2007-30	10/22/09 20:02
1,1-Dichloroethane	ND	62.8		ug/L	50.0	126%	64 - 154	9103817	NSJ2007-30	10/22/09 20:02
1,2-Dichloroethane	ND	63.9		ug/L	50.0	128%	72 - 137	9103817	NSJ2007-30	10/22/09 20:02
cis-1,2-Dichloroethene	42.9	110		ug/L	50.0	134%	57 - 154	9103817	NSJ2007-30	10/22/09 20:02
1,1-Dichloroethene	ND	63.0		ug/L	50.0	126%	34 - 151	9103817	NSJ2007-30	10/22/09 20:02
trans-1,2-Dichloroethene	2.19	68.7		ug/L	50.0	133%	57 - 157	9103817	NSJ2007-30	10/22/09 20:02
1,3-Dichloropropane	ND	66.7		ug/L	50.0	133%	71 - 137	9103817	NSJ2007-30	10/22/09 20:02
1,2-Dichloropropane	ND	59.9		ug/L	50.0	120%	71 - 139	9103817	NSJ2007-30	10/22/09 20:02

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103817-MS1										
2,2-Dichloropropane	ND	64.1		ug/L	50.0	128%	10 - 198	9103817	NSJ2007-30	10/22/09 20:02
cis-1,3-Dichloropropene	ND	63.6		ug/L	50.0	127%	56 - 156	9103817	NSJ2007-30	10/22/09 20:02
trans-1,3-Dichloropropene	ND	62.8		ug/L	50.0	126%	47 - 157	9103817	NSJ2007-30	10/22/09 20:02
1,1-Dichloropropene	ND	62.5		ug/L	50.0	125%	70 - 155	9103817	NSJ2007-30	10/22/09 20:02
Ethylbenzene	ND	67.1		ug/L	50.0	134%	68 - 157	9103817	NSJ2007-30	10/22/09 20:02
Hexachlorobutadiene	ND	63.2		ug/L	50.0	126%	47 - 173	9103817	NSJ2007-30	10/22/09 20:02
2-Hexanone	ND	343		ug/L	250	137%	57 - 154	9103817	NSJ2007-30	10/22/09 20:02
Isopropylbenzene	ND	68.6		ug/L	50.0	137%	69 - 139	9103817	NSJ2007-30	10/22/09 20:02
p-Isopropyltoluene	ND	65.4		ug/L	50.0	131%	69 - 151	9103817	NSJ2007-30	10/22/09 20:02
Methyl tert-Butyl Ether	ND	61.1		ug/L	50.0	122%	56 - 152	9103817	NSJ2007-30	10/22/09 20:02
Methylene Chloride	ND	55.2		ug/L	50.0	110%	71 - 136	9103817	NSJ2007-30	10/22/09 20:02
4-Methyl-2-pentanone	ND	340		ug/L	250	136%	62 - 159	9103817	NSJ2007-30	10/22/09 20:02
Naphthalene	ND	61.1		ug/L	50.0	122%	56 - 161	9103817	NSJ2007-30	10/22/09 20:02
n-Propylbenzene	ND	65.7		ug/L	50.0	131%	61 - 167	9103817	NSJ2007-30	10/22/09 20:02
Styrene	ND	69.3		ug/L	50.0	139%	69 - 150	9103817	NSJ2007-30	10/22/09 20:02
1,1,1,2-Tetrachloroethane	ND	67.4		ug/L	50.0	135%	80 - 140	9103817	NSJ2007-30	10/22/09 20:02
1,1,2,2-Tetrachloroethane	ND	66.4		ug/L	50.0	133%	76 - 141	9103817	NSJ2007-30	10/22/09 20:02
Tetrachloroethene	ND	66.9		ug/L	50.0	134%	63 - 155	9103817	NSJ2007-30	10/22/09 20:02
Toluene	ND	66.9		ug/L	50.0	134%	61 - 153	9103817	NSJ2007-30	10/22/09 20:02
1,2,3-Trichlorobenzene	ND	57.6		ug/L	50.0	115%	57 - 155	9103817	NSJ2007-30	10/22/09 20:02
1,2,4-Trichlorobenzene	ND	61.8		ug/L	50.0	124%	64 - 147	9103817	NSJ2007-30	10/22/09 20:02
1,1,2-Trichloroethane	ND	67.1		ug/L	50.0	134%	74 - 138	9103817	NSJ2007-30	10/22/09 20:02
1,1,1-Trichloroethane	ND	65.0		ug/L	50.0	130%	78 - 153	9103817	NSJ2007-30	10/22/09 20:02
Trichloroethene	3.22	67.2		ug/L	50.0	128%	74 - 139	9103817	NSJ2007-30	10/22/09 20:02
Trichlorofluoromethane	ND	39.9		ug/L	50.0	80%	53 - 149	9103817	NSJ2007-30	10/22/09 20:02
1,2,3-Trichloropropane	ND	58.0		ug/L	50.0	116%	49 - 148	9103817	NSJ2007-30	10/22/09 20:02
1,3,5-Trimethylbenzene	ND	65.9		ug/L	50.0	132%	67 - 151	9103817	NSJ2007-30	10/22/09 20:02
1,2,4-Trimethylbenzene	ND	65.0		ug/L	50.0	130%	69 - 150	9103817	NSJ2007-30	10/22/09 20:02
Vinyl chloride	2.53	37.9		ug/L	50.0	71%	53 - 137	9103817	NSJ2007-30	10/22/09 20:02
Xylenes, total	ND	200		ug/L	150	133%	68 - 158	9103817	NSJ2007-30	10/22/09 20:02
<i>Surrogate: 1,2-Dichloroethane-d4</i>		26.3		ug/L	25.0	105%	63 - 140	9103817	NSJ2007-30	10/22/09 20:02
<i>Surrogate: Dibromofluoromethane</i>		24.6		ug/L	25.0	98%	73 - 131	9103817	NSJ2007-30	10/22/09 20:02
<i>Surrogate: Toluene-d8</i>		26.0		ug/L	25.0	104%	80 - 120	9103817	NSJ2007-30	10/22/09 20:02
<i>Surrogate: 4-Bromofluorobenzene</i>		25.2		ug/L	25.0	101%	79 - 125	9103817	NSJ2007-30	10/22/09 20:02
9103928-MS1										
Acetone	ND	1250		ug/L	1250	100%	56 - 150	9103928	NSJ2045-15RE	10/23/09 20:08

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103928-MS1										
Benzene	ND	266		ug/L	250	106%	65 - 151	9103928	NSJ2045-15RE 1	10/23/09 20:08
Bromobenzene	20.4	268		ug/L	250	99%	69 - 142	9103928	NSJ2045-15RE 1	10/23/09 20:08
Bromochloromethane	ND	281		ug/L	250	112%	64 - 154	9103928	NSJ2045-15RE 1	10/23/09 20:08
Bromodichloromethane	2.85	252		ug/L	250	100%	75 - 138	9103928	NSJ2045-15RE 1	10/23/09 20:08
Bromoform	ND	238		ug/L	250	95%	55 - 153	9103928	NSJ2045-15RE 1	10/23/09 20:08
Bromomethane	28.3	227		ug/L	250	80%	13 - 176	9103928	NSJ2045-15RE 1	10/23/09 20:08
2-Butanone	ND	1290		ug/L	1250	103%	45 - 164	9103928	NSJ2045-15RE 1	10/23/09 20:08
sec-Butylbenzene	45.8	287		ug/L	250	96%	68 - 159	9103928	NSJ2045-15RE 1	10/23/09 20:08
n-Butylbenzene	ND	292		ug/L	250	117%	67 - 151	9103928	NSJ2045-15RE 1	10/23/09 20:08
tert-Butylbenzene	6.95	265		ug/L	250	103%	73 - 153	9103928	NSJ2045-15RE 1	10/23/09 20:08
Carbon disulfide	ND	235		ug/L	250	94%	33 - 187	9103928	NSJ2045-15RE 1	10/23/09 20:08
Carbon Tetrachloride	ND	224		ug/L	250	89%	64 - 157	9103928	NSJ2045-15RE 1	10/23/09 20:08
Chlorobenzene	ND	256		ug/L	250	103%	78 - 136	9103928	NSJ2045-15RE 1	10/23/09 20:08
Chlorodibromomethane	ND	287		ug/L	250	115%	64 - 145	9103928	NSJ2045-15RE 1	10/23/09 20:08
Chloroethane	ND	346		ug/L	250	138%	48 - 159	9103928	NSJ2045-15RE 1	10/23/09 20:08
Chloroform	ND	233		ug/L	250	93%	72 - 145	9103928	NSJ2045-15RE 1	10/23/09 20:08
Chloromethane	ND	193		ug/L	250	77%	10 - 194	9103928	NSJ2045-15RE 1	10/23/09 20:08
2-Chlorotoluene	12.4	281		ug/L	250	107%	66 - 155	9103928	NSJ2045-15RE 1	10/23/09 20:08
4-Chlorotoluene	ND	275		ug/L	250	110%	69 - 149	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2-Dibromo-3-chloropropane	ND	222		ug/L	250	89%	49 - 162	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2-Dibromoethane (EDB)	ND	275		ug/L	250	110%	70 - 152	9103928	NSJ2045-15RE 1	10/23/09 20:08
Dibromomethane	ND	272		ug/L	250	109%	75 - 141	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,4-Dichlorobenzene	ND	247		ug/L	250	99%	75 - 135	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,3-Dichlorobenzene	ND	252		ug/L	250	101%	72 - 146	9103928	NSJ2045-15RE 1	10/23/09 20:08

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103928-MS1										
1,2-Dichlorobenzene	ND	255		ug/L	250	102%	80 - 136	9103928	NSJ2045-15RE 1	10/23/09 20:08
Dichlorodifluoromethane	6.80	157		ug/L	250	60%	23 - 159	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1-Dichloroethane	ND	266		ug/L	250	106%	64 - 154	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2-Dichloroethane	5.25	268		ug/L	250	105%	72 - 137	9103928	NSJ2045-15RE 1	10/23/09 20:08
cis-1,2-Dichloroethene	ND	266		ug/L	250	106%	57 - 154	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1-Dichloroethene	ND	255		ug/L	250	102%	34 - 151	9103928	NSJ2045-15RE 1	10/23/09 20:08
trans-1,2-Dichloroethene	ND	272		ug/L	250	109%	57 - 157	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,3-Dichloropropane	ND	273		ug/L	250	109%	71 - 137	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2-Dichloropropane	ND	255		ug/L	250	102%	71 - 139	9103928	NSJ2045-15RE 1	10/23/09 20:08
2,2-Dichloropropane	ND	246		ug/L	250	98%	10 - 198	9103928	NSJ2045-15RE 1	10/23/09 20:08
cis-1,3-Dichloropropene	ND	271		ug/L	250	108%	56 - 156	9103928	NSJ2045-15RE 1	10/23/09 20:08
trans-1,3-Dichloropropene	ND	265		ug/L	250	106%	47 - 157	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1-Dichloropropene	ND	259		ug/L	250	104%	70 - 155	9103928	NSJ2045-15RE 1	10/23/09 20:08
Ethylbenzene	55.0	345		ug/L	250	116%	68 - 157	9103928	NSJ2045-15RE 1	10/23/09 20:08
Hexachlorobutadiene	ND	234		ug/L	250	94%	47 - 173	9103928	NSJ2045-15RE 1	10/23/09 20:08
2-Hexanone	ND	1430		ug/L	1250	115%	57 - 154	9103928	NSJ2045-15RE 1	10/23/09 20:08
Isopropylbenzene	2.05	291		ug/L	250	115%	69 - 139	9103928	NSJ2045-15RE 1	10/23/09 20:08
p-Isopropyltoluene	ND	272		ug/L	250	109%	69 - 151	9103928	NSJ2045-15RE 1	10/23/09 20:08
Methyl tert-Butyl Ether	ND	258		ug/L	250	103%	56 - 152	9103928	NSJ2045-15RE 1	10/23/09 20:08
Methylene Chloride	5.95	243		ug/L	250	95%	71 - 136	9103928	NSJ2045-15RE 1	10/23/09 20:08
4-Methyl-2-pentanone	22.0	1430		ug/L	1250	112%	62 - 159	9103928	NSJ2045-15RE 1	10/23/09 20:08
Naphthalene	30.4	283		ug/L	250	101%	56 - 161	9103928	NSJ2045-15RE 1	10/23/09 20:08
n-Propylbenzene	3.40	283		ug/L	250	112%	61 - 167	9103928	NSJ2045-15RE 1	10/23/09 20:08
Styrene	9.85	318		ug/L	250	123%	69 - 150	9103928	NSJ2045-15RE 1	10/23/09 20:08

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9103928-MS1										
1,1,1,2-Tetrachloroethane	ND	269		ug/L	250	107%	80 - 140	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1,2,2-Tetrachloroethane	ND	279		ug/L	250	112%	76 - 141	9103928	NSJ2045-15RE 1	10/23/09 20:08
Tetrachloroethene	ND	259		ug/L	250	104%	63 - 155	9103928	NSJ2045-15RE 1	10/23/09 20:08
Toluene	4.10	286		ug/L	250	113%	61 - 153	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2,3-Trichlorobenzene	ND	225		ug/L	250	90%	57 - 155	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2,4-Trichlorobenzene	ND	246		ug/L	250	99%	64 - 147	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1,2-Trichloroethane	ND	281		ug/L	250	113%	74 - 138	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,1,1-Trichloroethane	ND	266		ug/L	250	106%	78 - 153	9103928	NSJ2045-15RE 1	10/23/09 20:08
Trichloroethene	ND	252		ug/L	250	101%	74 - 139	9103928	NSJ2045-15RE 1	10/23/09 20:08
Trichlorofluoromethane	ND	253		ug/L	250	101%	53 - 149	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2,3-Trichloropropane	2.75	255		ug/L	250	101%	49 - 148	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,3,5-Trimethylbenzene	14.6	295		ug/L	250	112%	67 - 151	9103928	NSJ2045-15RE 1	10/23/09 20:08
1,2,4-Trimethylbenzene	55.6	339		ug/L	250	113%	69 - 150	9103928	NSJ2045-15RE 1	10/23/09 20:08
Vinyl chloride	ND	221		ug/L	250	88%	53 - 137	9103928	NSJ2045-15RE 1	10/23/09 20:08
Xylenes, total	550	1460		ug/L	750	121%	68 - 158	9103928	NSJ2045-15RE 1	10/23/09 20:08
<i>Surrogate: 1,2-Dichloroethane-d4</i>		27.1		ug/L	25.0	108%	63 - 140	9103928	NSJ2045-15RE 1	10/23/09 20:08
<i>Surrogate: Dibromofluoromethane</i>		23.9		ug/L	25.0	96%	73 - 131	9103928	NSJ2045-15RE 1	10/23/09 20:08
<i>Surrogate: Toluene-d8</i>		26.5		ug/L	25.0	106%	80 - 120	9103928	NSJ2045-15RE 1	10/23/09 20:08
<i>Surrogate: 4-Bromofluorobenzene</i>		25.6		ug/L	25.0	103%	79 - 125	9103928	NSJ2045-15RE 1	10/23/09 20:08
9104017-MS1										
Acetone	ND	1950		ug/L	2500	78%	56 - 150	9104017	NSJ2007-03RE 1	10/23/09 18:18
Benzene	ND	483		ug/L	500	97%	65 - 151	9104017	NSJ2007-03RE 1	10/23/09 18:18
Bromobenzene	ND	455		ug/L	500	91%	69 - 142	9104017	NSJ2007-03RE 1	10/23/09 18:18
Bromochloromethane	ND	534		ug/L	500	107%	64 - 154	9104017	NSJ2007-03RE 1	10/23/09 18:18

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9104017-MS1										
Bromodichloromethane	ND	533		ug/L	500	107%	75 - 138	9104017	NSJ2007-03RE 1	10/23/09 18:18
Bromoform	ND	602		ug/L	500	120%	55 - 153	9104017	NSJ2007-03RE 1	10/23/09 18:18
Bromomethane	ND	515		ug/L	500	103%	13 - 176	9104017	NSJ2007-03RE 1	10/23/09 18:18
2-Butanone	ND	2460		ug/L	2500	98%	45 - 164	9104017	NSJ2007-03RE 1	10/23/09 18:18
sec-Butylbenzene	ND	508		ug/L	500	102%	68 - 159	9104017	NSJ2007-03RE 1	10/23/09 18:18
n-Butylbenzene	ND	486		ug/L	500	97%	67 - 151	9104017	NSJ2007-03RE 1	10/23/09 18:18
tert-Butylbenzene	ND	515		ug/L	500	103%	73 - 153	9104017	NSJ2007-03RE 1	10/23/09 18:18
Carbon disulfide	ND	418		ug/L	500	84%	33 - 187	9104017	NSJ2007-03RE 1	10/23/09 18:18
Carbon Tetrachloride	ND	590		ug/L	500	118%	64 - 157	9104017	NSJ2007-03RE 1	10/23/09 18:18
Chlorobenzene	ND	517		ug/L	500	103%	78 - 136	9104017	NSJ2007-03RE 1	10/23/09 18:18
Chlorodibromomethane	ND	545		ug/L	500	109%	64 - 145	9104017	NSJ2007-03RE 1	10/23/09 18:18
Chloroethane	ND	490		ug/L	500	98%	48 - 159	9104017	NSJ2007-03RE 1	10/23/09 18:18
Chloroform	3.80	503		ug/L	500	100%	72 - 145	9104017	NSJ2007-03RE 1	10/23/09 18:18
Chloromethane	ND	251		ug/L	500	50%	10 - 194	9104017	NSJ2007-03RE 1	10/23/09 18:18
2-Chlorotoluene	ND	470		ug/L	500	94%	66 - 155	9104017	NSJ2007-03RE 1	10/23/09 18:18
4-Chlorotoluene	ND	460		ug/L	500	92%	69 - 149	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2-Dibromo-3-chloropropane	ND	464		ug/L	500	93%	49 - 162	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2-Dibromoethane (EDB)	ND	522		ug/L	500	104%	70 - 152	9104017	NSJ2007-03RE 1	10/23/09 18:18
Dibromomethane	ND	576		ug/L	500	115%	75 - 141	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,4-Dichlorobenzene	ND	513		ug/L	500	103%	75 - 135	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,3-Dichlorobenzene	ND	525		ug/L	500	105%	72 - 146	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2-Dichlorobenzene	ND	556		ug/L	500	111%	80 - 136	9104017	NSJ2007-03RE 1	10/23/09 18:18
Dichlorodifluoromethane	ND	422		ug/L	500	84%	23 - 159	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1-Dichloroethane	ND	455		ug/L	500	91%	64 - 154	9104017	NSJ2007-03RE 1	10/23/09 18:18

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9104017-MS1										
1,2-Dichloroethane	12.5	544		ug/L	500	106%	72 - 137	9104017	NSJ2007-03RE 1	10/23/09 18:18
cis-1,2-Dichloroethene	109	573		ug/L	500	93%	57 - 154	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1-Dichloroethene	ND	484		ug/L	500	97%	34 - 151	9104017	NSJ2007-03RE 1	10/23/09 18:18
trans-1,2-Dichloroethene	13.2	477		ug/L	500	93%	57 - 157	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,3-Dichloropropane	ND	470		ug/L	500	94%	71 - 137	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2-Dichloropropane	ND	453		ug/L	500	91%	71 - 139	9104017	NSJ2007-03RE 1	10/23/09 18:18
2,2-Dichloropropane	ND	532		ug/L	500	106%	10 - 198	9104017	NSJ2007-03RE 1	10/23/09 18:18
cis-1,3-Dichloropropene	ND	456		ug/L	500	91%	56 - 156	9104017	NSJ2007-03RE 1	10/23/09 18:18
trans-1,3-Dichloropropene	ND	475		ug/L	500	95%	47 - 157	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1-Dichloropropene	ND	511		ug/L	500	102%	70 - 155	9104017	NSJ2007-03RE 1	10/23/09 18:18
Ethylbenzene	ND	483		ug/L	500	97%	68 - 157	9104017	NSJ2007-03RE 1	10/23/09 18:18
Hexachlorobutadiene	ND	592		ug/L	500	118%	47 - 173	9104017	NSJ2007-03RE 1	10/23/09 18:18
2-Hexanone	ND	2270		ug/L	2500	91%	57 - 154	9104017	NSJ2007-03RE 1	10/23/09 18:18
Isopropylbenzene	ND	519		ug/L	500	104%	69 - 139	9104017	NSJ2007-03RE 1	10/23/09 18:18
p-Isopropyltoluene	ND	504		ug/L	500	101%	69 - 151	9104017	NSJ2007-03RE 1	10/23/09 18:18
Methyl tert-Butyl Ether	ND	501		ug/L	500	100%	56 - 152	9104017	NSJ2007-03RE 1	10/23/09 18:18
Methylene Chloride	18.1	459		ug/L	500	88%	71 - 136	9104017	NSJ2007-03RE 1	10/23/09 18:18
4-Methyl-2-pentanone	36.6	2250		ug/L	2500	88%	62 - 159	9104017	NSJ2007-03RE 1	10/23/09 18:18
Naphthalene	ND	487		ug/L	500	97%	56 - 161	9104017	NSJ2007-03RE 1	10/23/09 18:18
n-Propylbenzene	ND	474		ug/L	500	95%	61 - 167	9104017	NSJ2007-03RE 1	10/23/09 18:18
Styrene	ND	509		ug/L	500	102%	69 - 150	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1,1,2-Tetrachloroethane	ND	549		ug/L	500	110%	80 - 140	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1,2,2-Tetrachloroethane	ND	463		ug/L	500	93%	76 - 141	9104017	NSJ2007-03RE 1	10/23/09 18:18
Tetrachloroethene	ND	571		ug/L	500	114%	63 - 155	9104017	NSJ2007-03RE 1	10/23/09 18:18

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9104017-MS1										
Toluene	ND	499		ug/L	500	100%	61 - 153	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2,3-Trichlorobenzene	ND	524		ug/L	500	105%	57 - 155	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2,4-Trichlorobenzene	ND	565		ug/L	500	113%	64 - 147	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1,2-Trichloroethane	ND	496		ug/L	500	99%	74 - 138	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1,1-Trichloroethane	ND	565		ug/L	500	113%	78 - 153	9104017	NSJ2007-03RE 1	10/23/09 18:18
Trichloroethene	254	807		ug/L	500	111%	74 - 139	9104017	NSJ2007-03RE 1	10/23/09 18:18
Trichlorofluoromethane	ND	584		ug/L	500	117%	53 - 149	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2,3-Trichloropropane	ND	424		ug/L	500	85%	49 - 148	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,3,5-Trimethylbenzene	ND	494		ug/L	500	99%	67 - 151	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,2,4-Trimethylbenzene	ND	492		ug/L	500	98%	69 - 150	9104017	NSJ2007-03RE 1	10/23/09 18:18
Vinyl chloride	ND	449		ug/L	500	90%	53 - 137	9104017	NSJ2007-03RE 1	10/23/09 18:18
Xylenes, total	ND	1450		ug/L	1500	97%	68 - 158	9104017	NSJ2007-03RE 1	10/23/09 18:18
1,1,2-Trifluorotrichloroethane	ND	546		ug/L	500	109%	73 - 136	9104017	NSJ2007-03RE 1	10/23/09 18:18
<i>Surrogate: 1,2-Dichloroethane-d4</i>		25.9		ug/L	25.0	104%	63 - 140	9104017	NSJ2007-03RE 1	10/23/09 18:18
<i>Surrogate: Dibromofluoromethane</i>		26.7		ug/L	25.0	107%	73 - 131	9104017	NSJ2007-03RE 1	10/23/09 18:18
<i>Surrogate: Toluene-d8</i>		23.0		ug/L	25.0	92%	80 - 120	9104017	NSJ2007-03RE 1	10/23/09 18:18
<i>Surrogate: 4-Bromofluorobenzene</i>		22.8		ug/L	25.0	91%	79 - 125	9104017	NSJ2007-03RE 1	10/23/09 18:18

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
9104570-MSD1												
Total Organic Carbon	21.7	37.9		mg/L	20.0	81%	74 - 134	2	20	9104570	NSJ2210-01	10/28/09 13:56
9104989-MSD1												
Total Organic Carbon	32.5	48.0		mg/L	20.0	78%	74 - 134	2	20	9104989	NSJ2490-01	10/29/09 14:53
Methane, Ethane, and Ethene by GC												
9103840-MSD1												
Ethene	ND	2050		ug/L	2340	88%	71 - 120	5	29	9103840	NSJ1744-01	10/26/09 13:53
Methane	13.0	1320		ug/L	1330	98%	46 - 142	6	33	9103840	NSJ1744-01	10/26/09 13:53
Surrogate: Acetylene		2170		ug/L	2160	101%	70 - 122			9103840	NSJ1744-01	10/26/09 13:53
Surrogate: Acetylene		2170		ug/L	2160	101%	70 - 122			9103840	NSJ1744-01	10/26/09 13:53
Volatile Organic Compounds by EPA Method 8260B												
9103393-MSD1												
Acetone	1350	3480		ug/L	2500	85%	56 - 150	2	31	9103393	NSJ1511-04RE	10/22/09 17:27
Benzene	ND	493		ug/L	500	99%	65 - 151	5	12	9103393	NSJ1511-04RE	10/22/09 17:27
Bromobenzene	ND	481		ug/L	500	96%	69 - 142	5	23	9103393	NSJ1511-04RE	10/22/09 17:27
Bromochloromethane	ND	487		ug/L	500	97%	64 - 154	7	32	9103393	NSJ1511-04RE	10/22/09 17:27
Bromodichloromethane	ND	527		ug/L	500	105%	75 - 138	5	13	9103393	NSJ1511-04RE	10/22/09 17:27
Bromoform	ND	602		ug/L	500	120%	55 - 153	3	18	9103393	NSJ1511-04RE	10/22/09 17:27
Bromomethane	ND	504		ug/L	500	101%	13 - 176	6	50	9103393	NSJ1511-04RE	10/22/09 17:27
2-Butanone	169	2970		ug/L	2500	112%	45 - 164	0.5	37	9103393	NSJ1511-04RE	10/22/09 17:27
sec-Butylbenzene	ND	523		ug/L	500	105%	68 - 159	5	21	9103393	NSJ1511-04RE	10/22/09 17:27
n-Butylbenzene	ND	511		ug/L	500	102%	67 - 151	5	11	9103393	NSJ1511-04RE	10/22/09 17:27
tert-Butylbenzene	ND	520		ug/L	500	104%	73 - 153	5	20	9103393	NSJ1511-04RE	10/22/09 17:27
Carbon disulfide	ND	450		ug/L	500	90%	33 - 187	6	28	9103393	NSJ1511-04RE	10/22/09 17:27
Carbon Tetrachloride	ND	564		ug/L	500	113%	64 - 157	6	26	9103393	NSJ1511-04RE	10/22/09 17:27
Chlorobenzene	ND	523		ug/L	500	105%	78 - 136	5	11	9103393	NSJ1511-04RE	10/22/09 17:27
Chlorodibromomethane	ND	542		ug/L	500	108%	64 - 145	5	16	9103393	NSJ1511-04RE	10/22/09 17:27
Chloroethane	73.4	467		ug/L	500	79%	48 - 159	4	35	9103393	NSJ1511-04RE	10/22/09 17:27
Chloroform	ND	500		ug/L	500	100%	72 - 145	5	32	9103393	NSJ1511-04RE	10/22/09 17:27

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103393-MSD1												
Chloromethane	ND	278		ug/L	500	56%	10 - 194	7	34	9103393	NSJ1511-04RE	10/22/09 17:27
2-Chlorotoluene	ND	486		ug/L	500	97%	66 - 155	5	22	9103393	NSJ1511-04RE	10/22/09 17:27
4-Chlorotoluene	ND	474		ug/L	500	95%	69 - 149	5	22	9103393	NSJ1511-04RE	10/22/09 17:27
1,2-Dibromo-3-chloropropane	ND	496		ug/L	500	99%	49 - 162	1	21	9103393	NSJ1511-04RE	10/22/09 17:27
1,2-Dibromoethane (EDB)	ND	519		ug/L	500	104%	70 - 152	4	10	9103393	NSJ1511-04RE	10/22/09 17:27
Dibromomethane	ND	550		ug/L	500	110%	75 - 141	4	11	9103393	NSJ1511-04RE	10/22/09 17:27
1,4-Dichlorobenzene	ND	518		ug/L	500	104%	75 - 135	5	10	9103393	NSJ1511-04RE	10/22/09 17:27
1,3-Dichlorobenzene	ND	527		ug/L	500	105%	72 - 146	5	18	9103393	NSJ1511-04RE	10/22/09 17:27
1,2-Dichlorobenzene	ND	559		ug/L	500	112%	80 - 136	5	11	9103393	NSJ1511-04RE	10/22/09 17:27
Dichlorodifluoromethane	ND	475		ug/L	500	95%	23 - 159	8	32	9103393	NSJ1511-04RE	10/22/09 17:27
1,1-Dichloroethane	ND	478		ug/L	500	96%	64 - 154	5	34	9103393	NSJ1511-04RE	10/22/09 17:27
1,2-Dichloroethane	12.5	544		ug/L	500	106%	72 - 137	4	25	9103393	NSJ1511-04RE	10/22/09 17:27
cis-1,2-Dichloroethene	ND	507		ug/L	500	101%	57 - 154	5	32	9103393	NSJ1511-04RE	10/22/09 17:27
1,1-Dichloroethene	ND	482		ug/L	500	96%	34 - 151	6	31	9103393	NSJ1511-04RE	10/22/09 17:27
trans-1,2-Dichloroethene	ND	483		ug/L	500	97%	57 - 157	5	32	9103393	NSJ1511-04RE	10/22/09 17:27
1,3-Dichloropropane	ND	498		ug/L	500	100%	71 - 137	3	20	9103393	NSJ1511-04RE	10/22/09 17:27
1,2-Dichloropropane	ND	474		ug/L	500	95%	71 - 139	4	11	9103393	NSJ1511-04RE	10/22/09 17:27
2,2-Dichloropropane	ND	555		ug/L	500	111%	10 - 198	6	11	9103393	NSJ1511-04RE	10/22/09 17:27
cis-1,3-Dichloropropene	ND	465		ug/L	500	93%	56 - 156	7	35	9103393	NSJ1511-04RE	10/22/09 17:27
trans-1,3-Dichloropropene	ND	486		ug/L	500	97%	47 - 157	5	26	9103393	NSJ1511-04RE	10/22/09 17:27
1,1-Dichloropropene	ND	517		ug/L	500	103%	70 - 155	5	18	9103393	NSJ1511-04RE	10/22/09 17:27
Ethylbenzene	ND	495		ug/L	500	99%	68 - 157	5	12	9103393	NSJ1511-04RE	10/22/09 17:27
Hexachlorobutadiene	ND	590		ug/L	500	118%	47 - 173	4	21	9103393	NSJ1511-04RE	10/22/09 17:27
2-Hexanone	ND	2560		ug/L	2500	102%	57 - 154	3	20	9103393	NSJ1511-04RE	10/22/09 17:27
Isopropylbenzene	ND	523		ug/L	500	105%	69 - 139	5	15	9103393	NSJ1511-04RE	10/22/09 17:27
p-Isopropyltoluene	ND	516		ug/L	500	103%	69 - 151	5	18	9103393	NSJ1511-04RE	10/22/09 17:27

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103393-MSD1												
Methyl tert-Butyl Ether	ND	514		ug/L	500	103%	56 - 152	4	32	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Methylene Chloride	8.30	464		ug/L	500	91%	71 - 136	5	36	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
4-Methyl-2-pentanone	38.3	2480		ug/L	2500	98%	62 - 159	3	35	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Naphthalene	ND	538		ug/L	500	108%	56 - 161	3	30	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
n-Propylbenzene	ND	494		ug/L	500	99%	61 - 167	5	23	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Styrene	ND	522		ug/L	500	104%	69 - 150	5	29	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,1,1,2-Tetrachloroethane	ND	544		ug/L	500	109%	80 - 140	5	11	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,1,2,2-Tetrachloroethane	ND	506		ug/L	500	101%	76 - 141	4	28	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Tetrachloroethene	ND	553		ug/L	500	111%	63 - 155	5	16	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Toluene	ND	481		ug/L	500	96%	61 - 153	5	35	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,2,3-Trichlorobenzene	ND	567		ug/L	500	113%	57 - 155	3	28	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,2,4-Trichlorobenzene	ND	586		ug/L	500	117%	64 - 147	3	23	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,1,2-Trichloroethane	ND	514		ug/L	500	103%	74 - 138	4	21	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,1,1-Trichloroethane	ND	548		ug/L	500	110%	78 - 153	6	29	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Trichloroethene	ND	564		ug/L	500	113%	74 - 139	5	11	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Trichlorofluoromethane	ND	533		ug/L	500	107%	53 - 149	7	33	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,2,3-Trichloropropane	ND	461		ug/L	500	92%	49 - 148	3	25	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,3,5-Trimethylbenzene	ND	506		ug/L	500	101%	67 - 151	5	21	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
1,2,4-Trimethylbenzene	ND	503		ug/L	500	101%	69 - 150	5	20	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Vinyl chloride	ND	486		ug/L	500	97%	53 - 137	5	32	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Xylenes, total	ND	1470		ug/L	1500	98%	68 - 158	5	18	9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Surrogate: 1,2-Dichloroethane-d4		25.6		ug/L	25.0	102%	63 - 140			9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Surrogate: Dibromofluoromethane		25.9		ug/L	25.0	104%	73 - 131			9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Surrogate: Toluene-d8		23.3		ug/L	25.0	93%	80 - 120			9103393	NSJ1511-04RE	10/22/09 17:27
											1	
Surrogate: 4-Bromofluorobenzene		23.2		ug/L	25.0	93%	79 - 125			9103393	NSJ1511-04RE	10/22/09 17:27
											1	

9103805-MSD1

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103805-MSD1												
Acetone	ND	156	R2	ug/L	250	62%	56 - 150	41	31	9103805	NSJ2007-12	10/23/09 04:45
Benzene	ND	35.6	R2	ug/L	50.0	71%	65 - 151	39	12	9103805	NSJ2007-12	10/23/09 04:45
Bromobenzene	ND	32.9	R2, M8	ug/L	50.0	66%	69 - 142	40	23	9103805	NSJ2007-12	10/23/09 04:45
Bromochloromethane	ND	36.3	R2	ug/L	50.0	73%	64 - 154	42	32	9103805	NSJ2007-12	10/23/09 04:45
Bromodichloromethane	ND	37.9	R2	ug/L	50.0	76%	75 - 138	42	13	9103805	NSJ2007-12	10/23/09 04:45
Bromoform	ND	41.8	R2	ug/L	50.0	84%	55 - 153	44	18	9103805	NSJ2007-12	10/23/09 04:45
Bromomethane	ND	40.6		ug/L	50.0	81%	13 - 176	39	50	9103805	NSJ2007-12	10/23/09 04:45
2-Butanone	ND	181	R2	ug/L	250	72%	45 - 164	43	37	9103805	NSJ2007-12	10/23/09 04:45
sec-Butylbenzene	ND	36.7	R2	ug/L	50.0	73%	68 - 159	37	21	9103805	NSJ2007-12	10/23/09 04:45
n-Butylbenzene	ND	35.5	R2	ug/L	50.0	71%	67 - 151	37	11	9103805	NSJ2007-12	10/23/09 04:45
tert-Butylbenzene	ND	37.6	R2	ug/L	50.0	75%	73 - 153	38	20	9103805	NSJ2007-12	10/23/09 04:45
Carbon disulfide	ND	32.3	R2	ug/L	50.0	65%	33 - 187	36	28	9103805	NSJ2007-12	10/23/09 04:45
Carbon Tetrachloride	ND	42.4	R2	ug/L	50.0	85%	64 - 157	38	26	9103805	NSJ2007-12	10/23/09 04:45
Chlorobenzene	ND	37.5	R2, M8	ug/L	50.0	75%	78 - 136	38	11	9103805	NSJ2007-12	10/23/09 04:45
Chlorodibromomethane	ND	38.4	R2	ug/L	50.0	77%	64 - 145	41	16	9103805	NSJ2007-12	10/23/09 04:45
Chloroethane	ND	36.5	R2	ug/L	50.0	73%	48 - 159	39	35	9103805	NSJ2007-12	10/23/09 04:45
Chloroform	ND	36.3	R2	ug/L	50.0	73%	72 - 145	40	32	9103805	NSJ2007-12	10/23/09 04:45
Chloromethane	ND	20.1	R2	ug/L	50.0	40%	10 - 194	41	34	9103805	NSJ2007-12	10/23/09 04:45
2-Chlorotoluene	ND	33.9	R2	ug/L	50.0	68%	66 - 155	38	22	9103805	NSJ2007-12	10/23/09 04:45
4-Chlorotoluene	ND	33.4	R2, M8	ug/L	50.0	67%	69 - 149	37	22	9103805	NSJ2007-12	10/23/09 04:45
1,2-Dibromo-3-chloropropane	ND	33.9	R2	ug/L	50.0	68%	49 - 162	39	21	9103805	NSJ2007-12	10/23/09 04:45
1,2-Dibromoethane (EDB)	ND	37.0	R2	ug/L	50.0	74%	70 - 152	41	10	9103805	NSJ2007-12	10/23/09 04:45
Dibromomethane	ND	39.5	R2	ug/L	50.0	79%	75 - 141	43	11	9103805	NSJ2007-12	10/23/09 04:45
1,4-Dichlorobenzene	ND	36.6	R2, M8	ug/L	50.0	73%	75 - 135	38	10	9103805	NSJ2007-12	10/23/09 04:45
1,3-Dichlorobenzene	ND	36.5	R2	ug/L	50.0	73%	72 - 146	39	18	9103805	NSJ2007-12	10/23/09 04:45
1,2-Dichlorobenzene	ND	38.8	R2, M8	ug/L	50.0	78%	80 - 136	40	11	9103805	NSJ2007-12	10/23/09 04:45
Dichlorodifluoromethane	ND	34.4	R2	ug/L	50.0	69%	23 - 159	44	32	9103805	NSJ2007-12	10/23/09 04:45
1,1-Dichloroethane	ND	34.6	R2	ug/L	50.0	69%	64 - 154	39	34	9103805	NSJ2007-12	10/23/09 04:45
1,2-Dichloroethane	ND	39.1	R2	ug/L	50.0	78%	72 - 137	42	25	9103805	NSJ2007-12	10/23/09 04:45
cis-1,2-Dichloroethene	1.10	36.4	R2	ug/L	50.0	71%	57 - 154	39	32	9103805	NSJ2007-12	10/23/09 04:45
1,1-Dichloroethene	ND	36.0	R2	ug/L	50.0	72%	34 - 151	39	31	9103805	NSJ2007-12	10/23/09 04:45
trans-1,2-Dichloroethene	ND	34.6	R2	ug/L	50.0	69%	57 - 157	40	32	9103805	NSJ2007-12	10/23/09 04:45
1,3-Dichloropropane	ND	34.5	R2, M8	ug/L	50.0	69%	71 - 137	41	20	9103805	NSJ2007-12	10/23/09 04:45
1,2-Dichloropropane	ND	33.7	R2, M8	ug/L	50.0	67%	71 - 139	41	11	9103805	NSJ2007-12	10/23/09 04:45
2,2-Dichloropropane	ND	35.0	R2	ug/L	50.0	70%	10 - 198	38	11	9103805	NSJ2007-12	10/23/09 04:45
cis-1,3-Dichloropropene	ND	32.8	R2	ug/L	50.0	66%	56 - 156	39	35	9103805	NSJ2007-12	10/23/09 04:45
trans-1,3-Dichloropropene	ND	33.6	R2	ug/L	50.0	67%	47 - 157	40	26	9103805	NSJ2007-12	10/23/09 04:45
1,1-Dichloropropene	ND	37.6	R2	ug/L	50.0	75%	70 - 155	38	18	9103805	NSJ2007-12	10/23/09 04:45
Ethylbenzene	ND	35.8	R2	ug/L	50.0	72%	68 - 157	37	12	9103805	NSJ2007-12	10/23/09 04:45
Hexachlorobutadiene	ND	41.4	R2	ug/L	50.0	83%	47 - 173	33	21	9103805	NSJ2007-12	10/23/09 04:45
2-Hexanone	ND	174	R2	ug/L	250	70%	57 - 154	42	20	9103805	NSJ2007-12	10/23/09 04:45

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103805-MSD1												
Isopropylbenzene	ND	37.8	R2	ug/L	50.0	76%	69 - 139	38	15	9103805	NSJ2007-12	10/23/09 04:45
p-Isopropyltoluene	ND	35.9	R2	ug/L	50.0	72%	69 - 151	39	18	9103805	NSJ2007-12	10/23/09 04:45
Methyl tert-Butyl Ether	ND	36.3	R2	ug/L	50.0	73%	56 - 152	41	32	9103805	NSJ2007-12	10/23/09 04:45
Methylene Chloride	ND	32.7	R2, M8	ug/L	50.0	65%	71 - 136	41	36	9103805	NSJ2007-12	10/23/09 04:45
4-Methyl-2-pentanone	ND	172	R2	ug/L	250	69%	62 - 159	42	35	9103805	NSJ2007-12	10/23/09 04:45
Naphthalene	ND	37.3	R2	ug/L	50.0	75%	56 - 161	37	30	9103805	NSJ2007-12	10/23/09 04:45
n-Propylbenzene	ND	34.8	R2	ug/L	50.0	70%	61 - 167	36	23	9103805	NSJ2007-12	10/23/09 04:45
Styrene	ND	37.1	R2	ug/L	50.0	74%	69 - 150	39	29	9103805	NSJ2007-12	10/23/09 04:45
1,1,1,2-Tetrachloroethane	ND	38.9	R2, M8	ug/L	50.0	78%	80 - 140	40	11	9103805	NSJ2007-12	10/23/09 04:45
1,1,2,2-Tetrachloroethane	ND	33.9	R2, M8	ug/L	50.0	68%	76 - 141	42	28	9103805	NSJ2007-12	10/23/09 04:45
Tetrachloroethene	ND	40.0	R2	ug/L	50.0	80%	63 - 155	37	16	9103805	NSJ2007-12	10/23/09 04:45
Toluene	ND	34.6	R2	ug/L	50.0	69%	61 - 153	38	35	9103805	NSJ2007-12	10/23/09 04:45
1,2,3-Trichlorobenzene	ND	39.8	R2	ug/L	50.0	80%	57 - 155	33	28	9103805	NSJ2007-12	10/23/09 04:45
1,2,4-Trichlorobenzene	ND	40.4	R2	ug/L	50.0	81%	64 - 147	36	23	9103805	NSJ2007-12	10/23/09 04:45
1,1,2-Trichloroethane	ND	35.8	R2, M8	ug/L	50.0	72%	74 - 138	41	21	9103805	NSJ2007-12	10/23/09 04:45
1,1,1-Trichloroethane	ND	40.6	R2	ug/L	50.0	81%	78 - 153	40	29	9103805	NSJ2007-12	10/23/09 04:45
Trichloroethene	13.3	54.7	R2	ug/L	50.0	83%	74 - 139	30	11	9103805	NSJ2007-12	10/23/09 04:45
Trichlorofluoromethane	ND	42.7	R2	ug/L	50.0	85%	53 - 149	37	33	9103805	NSJ2007-12	10/23/09 04:45
1,2,3-Trichloropropane	ND	30.2	R2	ug/L	50.0	60%	49 - 148	42	25	9103805	NSJ2007-12	10/23/09 04:45
1,3,5-Trimethylbenzene	ND	35.4	R2	ug/L	50.0	71%	67 - 151	39	21	9103805	NSJ2007-12	10/23/09 04:45
1,2,4-Trimethylbenzene	ND	35.3	R2	ug/L	50.0	71%	69 - 150	38	20	9103805	NSJ2007-12	10/23/09 04:45
Vinyl chloride	ND	36.0	R2	ug/L	50.0	72%	53 - 137	40	32	9103805	NSJ2007-12	10/23/09 04:45
Xylenes, total	ND	107	R2	ug/L	150	71%	68 - 158	37	18	9103805	NSJ2007-12	10/23/09 04:45
Surrogate: 1,2-Dichloroethane-d4		26.3		ug/L	25.0	105%	63 - 140			9103805	NSJ2007-12	10/23/09 04:45
Surrogate: Dibromofluoromethane		26.2		ug/L	25.0	105%	73 - 131			9103805	NSJ2007-12	10/23/09 04:45
Surrogate: Toluene-d8		23.6		ug/L	25.0	94%	80 - 120			9103805	NSJ2007-12	10/23/09 04:45
Surrogate: 4-Bromofluorobenzene		22.5		ug/L	25.0	90%	79 - 125			9103805	NSJ2007-12	10/23/09 04:45
9103817-MSD1												
Acetone	ND	301		ug/L	250	120%	56 - 150	3	31	9103817	NSJ2007-30	10/22/09 20:28
Benzene	ND	64.1		ug/L	50.0	128%	65 - 151	2	12	9103817	NSJ2007-30	10/22/09 20:28
Bromobenzene	ND	61.3		ug/L	50.0	123%	69 - 142	2	23	9103817	NSJ2007-30	10/22/09 20:28
Bromochloromethane	ND	59.6		ug/L	50.0	119%	64 - 154	6	32	9103817	NSJ2007-30	10/22/09 20:28
Bromodichloromethane	ND	61.0		ug/L	50.0	122%	75 - 138	0.8	13	9103817	NSJ2007-30	10/22/09 20:28
Bromoform	ND	64.6		ug/L	50.0	129%	55 - 153	2	18	9103817	NSJ2007-30	10/22/09 20:28
Bromomethane	ND	41.0		ug/L	50.0	82%	13 - 176	6	50	9103817	NSJ2007-30	10/22/09 20:28
2-Butanone	ND	340		ug/L	250	136%	45 - 164	3	37	9103817	NSJ2007-30	10/22/09 20:28
sec-Butylbenzene	ND	66.8		ug/L	50.0	134%	68 - 159	0.7	21	9103817	NSJ2007-30	10/22/09 20:28
n-Butylbenzene	ND	68.0		ug/L	50.0	136%	67 - 151	0.7	11	9103817	NSJ2007-30	10/22/09 20:28
tert-Butylbenzene	ND	62.7		ug/L	50.0	125%	73 - 153	0.1	20	9103817	NSJ2007-30	10/22/09 20:28
Carbon disulfide	ND	61.1		ug/L	50.0	122%	33 - 187	5	28	9103817	NSJ2007-30	10/22/09 20:28

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103817-MSD1												
Carbon Tetrachloride	ND	57.6		ug/L	50.0	115%	64 - 157	3	26	9103817	NSJ2007-30	10/22/09 20:28
Chlorobenzene	ND	62.8		ug/L	50.0	126%	78 - 136	1	11	9103817	NSJ2007-30	10/22/09 20:28
Chlorodibromomethane	ND	72.4		ug/L	50.0	145%	64 - 145	3	16	9103817	NSJ2007-30	10/22/09 20:28
Chloroethane	ND	52.4		ug/L	50.0	105%	48 - 159	2	35	9103817	NSJ2007-30	10/22/09 20:28
Chloroform	ND	57.4		ug/L	50.0	115%	72 - 145	0.2	32	9103817	NSJ2007-30	10/22/09 20:28
Chloromethane	ND	27.0		ug/L	50.0	54%	10 - 194	0.8	34	9103817	NSJ2007-30	10/22/09 20:28
2-Chlorotoluene	ND	61.4		ug/L	50.0	123%	66 - 155	0.1	22	9103817	NSJ2007-30	10/22/09 20:28
4-Chlorotoluene	ND	63.4		ug/L	50.0	127%	69 - 149	0.09	22	9103817	NSJ2007-30	10/22/09 20:28
1,2-Dibromo-3-chloropropane	ND	60.1		ug/L	50.0	120%	49 - 162	0.7	21	9103817	NSJ2007-30	10/22/09 20:28
1,2-Dibromoethane (EDB)	ND	66.9		ug/L	50.0	134%	70 - 152	1	10	9103817	NSJ2007-30	10/22/09 20:28
Dibromomethane	ND	66.1		ug/L	50.0	132%	75 - 141	2	11	9103817	NSJ2007-30	10/22/09 20:28
1,4-Dichlorobenzene	ND	60.2		ug/L	50.0	120%	75 - 135	0.4	10	9103817	NSJ2007-30	10/22/09 20:28
1,3-Dichlorobenzene	ND	60.5		ug/L	50.0	121%	72 - 146	2	18	9103817	NSJ2007-30	10/22/09 20:28
1,2-Dichlorobenzene	ND	63.1		ug/L	50.0	126%	80 - 136	0.5	11	9103817	NSJ2007-30	10/22/09 20:28
Dichlorodifluoromethane	ND	29.2		ug/L	50.0	58%	23 - 159	1	32	9103817	NSJ2007-30	10/22/09 20:28
1,1-Dichloroethane	ND	64.1		ug/L	50.0	128%	64 - 154	2	34	9103817	NSJ2007-30	10/22/09 20:28
1,2-Dichloroethane	ND	64.8		ug/L	50.0	130%	72 - 137	1	25	9103817	NSJ2007-30	10/22/09 20:28
cis-1,2-Dichloroethene	42.9	111		ug/L	50.0	136%	57 - 154	1	32	9103817	NSJ2007-30	10/22/09 20:28
1,1-Dichloroethene	ND	65.5		ug/L	50.0	131%	34 - 151	4	31	9103817	NSJ2007-30	10/22/09 20:28
trans-1,2-Dichloroethene	2.19	69.4		ug/L	50.0	134%	57 - 157	1	32	9103817	NSJ2007-30	10/22/09 20:28
1,3-Dichloropropane	ND	66.4		ug/L	50.0	133%	71 - 137	0.5	20	9103817	NSJ2007-30	10/22/09 20:28
1,2-Dichloropropane	ND	59.8		ug/L	50.0	120%	71 - 139	0.2	11	9103817	NSJ2007-30	10/22/09 20:28
2,2-Dichloropropane	ND	65.1		ug/L	50.0	130%	10 - 198	2	11	9103817	NSJ2007-30	10/22/09 20:28
cis-1,3-Dichloropropene	ND	64.7		ug/L	50.0	129%	56 - 156	2	35	9103817	NSJ2007-30	10/22/09 20:28
trans-1,3-Dichloropropene	ND	64.0		ug/L	50.0	128%	47 - 157	2	26	9103817	NSJ2007-30	10/22/09 20:28
1,1-Dichloropropene	ND	63.6		ug/L	50.0	127%	70 - 155	2	18	9103817	NSJ2007-30	10/22/09 20:28
Ethylbenzene	ND	68.0		ug/L	50.0	136%	68 - 157	1	12	9103817	NSJ2007-30	10/22/09 20:28
Hexachlorobutadiene	ND	65.3		ug/L	50.0	131%	47 - 173	3	21	9103817	NSJ2007-30	10/22/09 20:28
2-Hexanone	ND	345		ug/L	250	138%	57 - 154	0.7	20	9103817	NSJ2007-30	10/22/09 20:28
Isopropylbenzene	ND	69.6		ug/L	50.0	139%	69 - 139	1	15	9103817	NSJ2007-30	10/22/09 20:28
p-Isopropyltoluene	ND	65.0		ug/L	50.0	130%	69 - 151	0.7	18	9103817	NSJ2007-30	10/22/09 20:28
Methyl tert-Butyl Ether	ND	62.6		ug/L	50.0	125%	56 - 152	3	32	9103817	NSJ2007-30	10/22/09 20:28
Methylene Chloride	ND	56.6		ug/L	50.0	113%	71 - 136	3	36	9103817	NSJ2007-30	10/22/09 20:28
4-Methyl-2-pentanone	ND	343		ug/L	250	137%	62 - 159	0.7	35	9103817	NSJ2007-30	10/22/09 20:28
Naphthalene	ND	62.0		ug/L	50.0	124%	56 - 161	1	30	9103817	NSJ2007-30	10/22/09 20:28
n-Propylbenzene	ND	64.5		ug/L	50.0	129%	61 - 167	2	23	9103817	NSJ2007-30	10/22/09 20:28
Styrene	ND	69.8		ug/L	50.0	140%	69 - 150	0.8	29	9103817	NSJ2007-30	10/22/09 20:28
1,1,1,2-Tetrachloroethane	ND	70.2		ug/L	50.0	140%	80 - 140	4	11	9103817	NSJ2007-30	10/22/09 20:28
1,1,2,2-Tetrachloroethane	ND	65.5		ug/L	50.0	131%	76 - 141	1	28	9103817	NSJ2007-30	10/22/09 20:28
Tetrachloroethene	ND	68.2		ug/L	50.0	136%	63 - 155	2	16	9103817	NSJ2007-30	10/22/09 20:28
Toluene	ND	66.8		ug/L	50.0	134%	61 - 153	0.1	35	9103817	NSJ2007-30	10/22/09 20:28

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103817-MSD1												
1,2,3-Trichlorobenzene	ND	59.6		ug/L	50.0	119%	57 - 155	3	28	9103817	NSJ2007-30	10/22/09 20:28
1,2,4-Trichlorobenzene	ND	62.2		ug/L	50.0	124%	64 - 147	0.5	23	9103817	NSJ2007-30	10/22/09 20:28
1,1,2-Trichloroethane	ND	67.2		ug/L	50.0	134%	74 - 138	0.09	21	9103817	NSJ2007-30	10/22/09 20:28
1,1,1-Trichloroethane	ND	66.2		ug/L	50.0	132%	78 - 153	2	29	9103817	NSJ2007-30	10/22/09 20:28
Trichloroethene	3.22	68.4		ug/L	50.0	130%	74 - 139	2	11	9103817	NSJ2007-30	10/22/09 20:28
Trichlorofluoromethane	ND	43.6		ug/L	50.0	87%	53 - 149	9	33	9103817	NSJ2007-30	10/22/09 20:28
1,2,3-Trichloropropane	ND	57.6		ug/L	50.0	115%	49 - 148	0.8	25	9103817	NSJ2007-30	10/22/09 20:28
1,3,5-Trimethylbenzene	ND	65.0		ug/L	50.0	130%	67 - 151	1	21	9103817	NSJ2007-30	10/22/09 20:28
1,2,4-Trimethylbenzene	ND	64.7		ug/L	50.0	129%	69 - 150	0.4	20	9103817	NSJ2007-30	10/22/09 20:28
Vinyl chloride	2.53	37.4		ug/L	50.0	70%	53 - 137	1	32	9103817	NSJ2007-30	10/22/09 20:28
Xylenes, total	ND	202		ug/L	150	135%	68 - 158	0.8	18	9103817	NSJ2007-30	10/22/09 20:28
<i>Surrogate: 1,2-Dichloroethane-d4</i>		26.0		ug/L	25.0	104%	63 - 140			9103817	NSJ2007-30	10/22/09 20:28
<i>Surrogate: Dibromofluoromethane</i>		25.8		ug/L	25.0	103%	73 - 131			9103817	NSJ2007-30	10/22/09 20:28
<i>Surrogate: Toluene-d8</i>		25.9		ug/L	25.0	104%	80 - 120			9103817	NSJ2007-30	10/22/09 20:28
<i>Surrogate: 4-Bromofluorobenzene</i>		25.1		ug/L	25.0	100%	79 - 125			9103817	NSJ2007-30	10/22/09 20:28
9103928-MSD1												
Acetone	ND	1220		ug/L	1250	97%	56 - 150	3	31	9103928	NSJ2045-15RE	10/23/09 20:35
Benzene	ND	265		ug/L	250	106%	65 - 151	0.4	12	9103928	NSJ2045-15RE	10/23/09 20:35
Bromobenzene	20.4	260		ug/L	250	96%	69 - 142	3	23	9103928	NSJ2045-15RE	10/23/09 20:35
Bromochloromethane	ND	249		ug/L	250	99%	64 - 154	12	32	9103928	NSJ2045-15RE	10/23/09 20:35
Bromodichloromethane	2.85	250		ug/L	250	99%	75 - 138	1	13	9103928	NSJ2045-15RE	10/23/09 20:35
Bromoform	ND	239		ug/L	250	95%	55 - 153	0.04	18	9103928	NSJ2045-15RE	10/23/09 20:35
Bromomethane	28.3	219		ug/L	250	76%	13 - 176	4	50	9103928	NSJ2045-15RE	10/23/09 20:35
2-Butanone	ND	1260		ug/L	1250	101%	45 - 164	2	37	9103928	NSJ2045-15RE	10/23/09 20:35
sec-Butylbenzene	45.8	285		ug/L	250	96%	68 - 159	0.7	21	9103928	NSJ2045-15RE	10/23/09 20:35
n-Butylbenzene	ND	297		ug/L	250	119%	67 - 151	2	11	9103928	NSJ2045-15RE	10/23/09 20:35
tert-Butylbenzene	6.95	261		ug/L	250	102%	73 - 153	2	20	9103928	NSJ2045-15RE	10/23/09 20:35
Carbon disulfide	ND	247		ug/L	250	99%	33 - 187	5	28	9103928	NSJ2045-15RE	10/23/09 20:35
Carbon Tetrachloride	ND	231		ug/L	250	92%	64 - 157	3	26	9103928	NSJ2045-15RE	10/23/09 20:35
Chlorobenzene	ND	252		ug/L	250	101%	78 - 136	2	11	9103928	NSJ2045-15RE	10/23/09 20:35
Chlorodibromomethane	ND	286		ug/L	250	114%	64 - 145	0.3	16	9103928	NSJ2045-15RE	10/23/09 20:35

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103928-MSD1												
Chloroethane	ND	324		ug/L	250	130%	48 - 159	6	35	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Chloroform	ND	241		ug/L	250	97%	72 - 145	4	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Chloromethane	ND	114	R	ug/L	250	46%	10 - 194	51	34	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
2-Chlorotoluene	12.4	274		ug/L	250	105%	66 - 155	3	22	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
4-Chlorotoluene	ND	271		ug/L	250	108%	69 - 149	2	22	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2-Dibromo-3-chloropropane	ND	227		ug/L	250	91%	49 - 162	2	21	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2-Dibromoethane (EDB)	ND	262		ug/L	250	105%	70 - 152	5	10	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Dibromomethane	ND	260		ug/L	250	104%	75 - 141	5	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,4-Dichlorobenzene	ND	238		ug/L	250	95%	75 - 135	4	10	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,3-Dichlorobenzene	ND	245		ug/L	250	98%	72 - 146	3	18	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2-Dichlorobenzene	ND	248		ug/L	250	99%	80 - 136	3	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Dichlorodifluoromethane	6.80	169		ug/L	250	65%	23 - 159	7	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1-Dichloroethane	ND	263		ug/L	250	105%	64 - 154	1	34	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2-Dichloroethane	5.25	272		ug/L	250	107%	72 - 137	1	25	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
cis-1,2-Dichloroethene	ND	270		ug/L	250	108%	57 - 154	1	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1-Dichloroethene	ND	261		ug/L	250	104%	34 - 151	2	31	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
trans-1,2-Dichloroethene	ND	274		ug/L	250	110%	57 - 157	0.6	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,3-Dichloropropane	ND	270		ug/L	250	108%	71 - 137	1	20	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2-Dichloropropane	ND	250		ug/L	250	100%	71 - 139	2	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
2,2-Dichloropropane	ND	245		ug/L	250	98%	10 - 198	0.5	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
cis-1,3-Dichloropropene	ND	266		ug/L	250	106%	56 - 156	2	35	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
trans-1,3-Dichloropropene	ND	258		ug/L	250	103%	47 - 157	3	26	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1-Dichloropropene	ND	266		ug/L	250	106%	70 - 155	3	18	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Ethylbenzene	55.0	341		ug/L	250	115%	68 - 157	0.9	12	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Hexachlorobutadiene	ND	242		ug/L	250	97%	47 - 173	3	21	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
2-Hexanone	ND	1350		ug/L	1250	108%	57 - 154	6	20	9103928	NSJ2045-15RE	10/23/09 20:35
											1	

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PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103928-MSD1												
Isopropylbenzene	2.05	289		ug/L	250	115%	69 - 139	0.5	15	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
p-Isopropyltoluene	ND	270		ug/L	250	108%	69 - 151	0.8	18	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Methyl tert-Butyl Ether	ND	254		ug/L	250	102%	56 - 152	1	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Methylene Chloride	5.95	238		ug/L	250	93%	71 - 136	2	36	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
4-Methyl-2-pentanone	22.0	1370		ug/L	1250	108%	62 - 159	4	35	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Naphthalene	30.4	283		ug/L	250	101%	56 - 161	0.09	30	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
n-Propylbenzene	3.40	281		ug/L	250	111%	61 - 167	0.8	23	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Styrene	9.85	309		ug/L	250	120%	69 - 150	3	29	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1,1,2-Tetrachloroethane	ND	269		ug/L	250	107%	80 - 140	0.02	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1,2,2-Tetrachloroethane	ND	276		ug/L	250	111%	76 - 141	1	28	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Tetrachloroethene	ND	250		ug/L	250	100%	63 - 155	4	16	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Toluene	4.10	279		ug/L	250	110%	61 - 153	3	35	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2,3-Trichlorobenzene	ND	223		ug/L	250	89%	57 - 155	0.8	28	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2,4-Trichlorobenzene	ND	240		ug/L	250	96%	64 - 147	3	23	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1,2-Trichloroethane	ND	267		ug/L	250	107%	74 - 138	5	21	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,1,1-Trichloroethane	ND	269		ug/L	250	108%	78 - 153	1	29	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Trichloroethene	ND	250		ug/L	250	100%	74 - 139	0.7	11	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Trichlorofluoromethane	ND	250		ug/L	250	100%	53 - 149	1	33	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2,3-Trichloropropane	2.75	239		ug/L	250	95%	49 - 148	6	25	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,3,5-Trimethylbenzene	14.6	291		ug/L	250	111%	67 - 151	1	21	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
1,2,4-Trimethylbenzene	55.6	332		ug/L	250	111%	69 - 150	2	20	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Vinyl chloride	ND	221		ug/L	250	88%	53 - 137	0.2	32	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Xylenes, total	550	1440		ug/L	750	119%	68 - 158	2	18	9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Surrogate: 1,2-Dichloroethane-d4		26.8		ug/L	25.0	107%	63 - 140			9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Surrogate: Dibromofluoromethane		25.0		ug/L	25.0	100%	73 - 131			9103928	NSJ2045-15RE	10/23/09 20:35
											1	
Surrogate: Toluene-d8		26.2		ug/L	25.0	105%	80 - 120			9103928	NSJ2045-15RE	10/23/09 20:35
											1	

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9103928-MSD1												
<i>Surrogate: 4-Bromofluorobenzene</i>		24.9		ug/L	25.0	100%	79 - 125			9103928	NSJ2045-15RE 1	10/23/09 20:35
9104017-MSD1												
Acetone	ND	1950		ug/L	2500	78%	56 - 150	0.2	31	9104017	NSJ2007-03RE 1	10/23/09 18:43
Benzene	ND	488		ug/L	500	98%	65 - 151	0.9	12	9104017	NSJ2007-03RE 1	10/23/09 18:43
Bromobenzene	ND	460		ug/L	500	92%	69 - 142	1	23	9104017	NSJ2007-03RE 1	10/23/09 18:43
Bromochloromethane	ND	529		ug/L	500	106%	64 - 154	1	32	9104017	NSJ2007-03RE 1	10/23/09 18:43
Bromodichloromethane	ND	541		ug/L	500	108%	75 - 138	1	13	9104017	NSJ2007-03RE 1	10/23/09 18:43
Bromoform	ND	612		ug/L	500	122%	55 - 153	2	18	9104017	NSJ2007-03RE 1	10/23/09 18:43
Bromomethane	ND	540		ug/L	500	108%	13 - 176	5	50	9104017	NSJ2007-03RE 1	10/23/09 18:43
2-Butanone	ND	2470		ug/L	2500	99%	45 - 164	0.4	37	9104017	NSJ2007-03RE 1	10/23/09 18:43
sec-Butylbenzene	ND	517		ug/L	500	103%	68 - 159	2	21	9104017	NSJ2007-03RE 1	10/23/09 18:43
n-Butylbenzene	ND	496		ug/L	500	99%	67 - 151	2	11	9104017	NSJ2007-03RE 1	10/23/09 18:43
tert-Butylbenzene	ND	520		ug/L	500	104%	73 - 153	1	20	9104017	NSJ2007-03RE 1	10/23/09 18:43
Carbon disulfide	ND	431		ug/L	500	86%	33 - 187	3	28	9104017	NSJ2007-03RE 1	10/23/09 18:43
Carbon Tetrachloride	ND	605		ug/L	500	121%	64 - 157	3	26	9104017	NSJ2007-03RE 1	10/23/09 18:43
Chlorobenzene	ND	522		ug/L	500	104%	78 - 136	0.9	11	9104017	NSJ2007-03RE 1	10/23/09 18:43
Chlorodibromomethane	ND	550		ug/L	500	110%	64 - 145	0.9	16	9104017	NSJ2007-03RE 1	10/23/09 18:43
Chloroethane	ND	471		ug/L	500	94%	48 - 159	4	35	9104017	NSJ2007-03RE 1	10/23/09 18:43
Chloroform	3.80	506		ug/L	500	101%	72 - 145	0.8	32	9104017	NSJ2007-03RE 1	10/23/09 18:43
Chloromethane	ND	256		ug/L	500	51%	10 - 194	2	34	9104017	NSJ2007-03RE 1	10/23/09 18:43
2-Chlorotoluene	ND	476		ug/L	500	95%	66 - 155	1	22	9104017	NSJ2007-03RE 1	10/23/09 18:43
4-Chlorotoluene	ND	465		ug/L	500	93%	69 - 149	1	22	9104017	NSJ2007-03RE 1	10/23/09 18:43
1,2-Dibromo-3-chloropropane	ND	465		ug/L	500	93%	49 - 162	0.3	21	9104017	NSJ2007-03RE 1	10/23/09 18:43
1,2-Dibromoethane (EDB)	ND	517		ug/L	500	103%	70 - 152	0.9	10	9104017	NSJ2007-03RE 1	10/23/09 18:43
Dibromomethane	ND	560		ug/L	500	112%	75 - 141	3	11	9104017	NSJ2007-03RE 1	10/23/09 18:43
1,4-Dichlorobenzene	ND	520		ug/L	500	104%	75 - 135	1	10	9104017	NSJ2007-03RE 1	10/23/09 18:43

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
 Knoxville, TN 37921
 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
 Project Number: 3031-05-2006-09
 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9104017-MSD1												
1,3-Dichlorobenzene	ND	533		ug/L	500	107%	72 - 146	1	18	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,2-Dichlorobenzene	ND	561		ug/L	500	112%	80 - 136	0.8	11	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Dichlorodifluoromethane	ND	429		ug/L	500	86%	23 - 159	2	32	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,1-Dichloroethane	ND	469		ug/L	500	94%	64 - 154	3	34	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,2-Dichloroethane	12.5	548		ug/L	500	107%	72 - 137	0.8	25	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
cis-1,2-Dichloroethene	109	585		ug/L	500	95%	57 - 154	2	32	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,1-Dichloroethene	ND	494		ug/L	500	99%	34 - 151	2	31	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
trans-1,2-Dichloroethene	13.2	486		ug/L	500	95%	57 - 157	2	32	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,3-Dichloropropane	ND	468		ug/L	500	94%	71 - 137	0.4	20	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,2-Dichloropropane	ND	454		ug/L	500	91%	71 - 139	0.2	11	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
2,2-Dichloropropane	ND	562		ug/L	500	112%	10 - 198	5	11	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
cis-1,3-Dichloropropene	ND	465		ug/L	500	93%	56 - 156	2	35	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
trans-1,3-Dichloropropene	ND	481		ug/L	500	96%	47 - 157	1	26	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,1-Dichloropropene	ND	520		ug/L	500	104%	70 - 155	2	18	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Ethylbenzene	ND	491		ug/L	500	98%	68 - 157	2	12	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Hexachlorobutadiene	ND	632		ug/L	500	126%	47 - 173	7	21	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
2-Hexanone	ND	2250		ug/L	2500	90%	57 - 154	0.9	20	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Isopropylbenzene	ND	522		ug/L	500	104%	69 - 139	0.7	15	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
p-Isopropyltoluene	ND	516		ug/L	500	103%	69 - 151	2	18	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Methyl tert-Butyl Ether	ND	497		ug/L	500	99%	56 - 152	0.7	32	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Methylene Chloride	18.1	459		ug/L	500	88%	71 - 136	0.2	36	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
4-Methyl-2-pentanone	36.6	2230		ug/L	2500	88%	62 - 159	0.7	35	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Naphthalene	ND	502		ug/L	500	100%	56 - 161	3	30	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
n-Propylbenzene	ND	482		ug/L	500	96%	61 - 167	2	23	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
Styrene	ND	514		ug/L	500	103%	69 - 150	1	29	9104017	NSJ2007-03RE	10/23/09 18:43
											1	
1,1,1,2-Tetrachloroethane	ND	555		ug/L	500	111%	80 - 140	1	11	9104017	NSJ2007-03RE	10/23/09 18:43
											1	

Client MACTEC Engineering & Consulting, Inc. (4997)
 1725 Louisville Drive
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 Attn Joe Deatherage

Work Order: NSJ2007
 Project Name: Former Taylor Instruments
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 Received: 10/22/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9104017-MSD1												
1,1,2,2-Tetrachloroethane	ND	464		ug/L	500	93%	76 - 141	0.09	28	9104017	NSJ2007-03RE	10/23/09 18:43
Tetrachloroethene	ND	580		ug/L	500	116%	63 - 155	2	16	9104017	NSJ2007-03RE	10/23/09 18:43
Toluene	ND	502		ug/L	500	100%	61 - 153	0.8	35	9104017	NSJ2007-03RE	10/23/09 18:43
1,2,3-Trichlorobenzene	ND	560		ug/L	500	112%	57 - 155	7	28	9104017	NSJ2007-03RE	10/23/09 18:43
1,2,4-Trichlorobenzene	ND	590		ug/L	500	118%	64 - 147	4	23	9104017	NSJ2007-03RE	10/23/09 18:43
1,1,2-Trichloroethane	ND	497		ug/L	500	99%	74 - 138	0.2	21	9104017	NSJ2007-03RE	10/23/09 18:43
1,1,1-Trichloroethane	ND	580		ug/L	500	116%	78 - 153	3	29	9104017	NSJ2007-03RE	10/23/09 18:43
Trichloroethene	254	825		ug/L	500	114%	74 - 139	2	11	9104017	NSJ2007-03RE	10/23/09 18:43
Trichlorofluoromethane	ND	591		ug/L	500	118%	53 - 149	1	33	9104017	NSJ2007-03RE	10/23/09 18:43
1,2,3-Trichloropropane	ND	430		ug/L	500	86%	49 - 148	1	25	9104017	NSJ2007-03RE	10/23/09 18:43
1,3,5-Trimethylbenzene	ND	501		ug/L	500	100%	67 - 151	2	21	9104017	NSJ2007-03RE	10/23/09 18:43
1,2,4-Trimethylbenzene	ND	497		ug/L	500	99%	69 - 150	1	20	9104017	NSJ2007-03RE	10/23/09 18:43
Vinyl chloride	ND	460		ug/L	500	92%	53 - 137	2	32	9104017	NSJ2007-03RE	10/23/09 18:43
Xylenes, total	ND	1470		ug/L	1500	98%	68 - 158	1	18	9104017	NSJ2007-03RE	10/23/09 18:43
1,1,2-Trifluorotrichloroethane	ND	557		ug/L	500	111%	73 - 136	2	17	9104017	NSJ2007-03RE	10/23/09 18:43
<i>Surrogate: 1,2-Dichloroethane-d4</i>		25.6		ug/L	25.0	102%	63 - 140			9104017	NSJ2007-03RE	10/23/09 18:43
<i>Surrogate: Dibromofluoromethane</i>		26.8		ug/L	25.0	107%	73 - 131			9104017	NSJ2007-03RE	10/23/09 18:43
<i>Surrogate: Toluene-d8</i>		23.1		ug/L	25.0	92%	80 - 120			9104017	NSJ2007-03RE	10/23/09 18:43
<i>Surrogate: 4-Bromofluorobenzene</i>		22.5		ug/L	25.0	90%	79 - 125			9104017	NSJ2007-03RE	10/23/09 18:43

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSJ2007
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 10/22/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
RSK 175	Water	N/A	X	
SM 4500CO2 C	Water	N/A		
SM5310 B	Water		X	X
SW846 8260B	Water	N/A	X	X

Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSJ2007
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 10/22/09 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
SM 4500CO2 C	Water	Carbon Dioxide

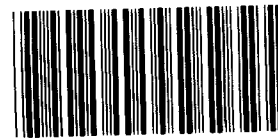
Client MACTEC Engineering & Consulting, Inc. (4997)
1725 Louisville Drive
Knoxville, TN 37921
Attn Joe Deatherage

Work Order: NSJ2007
Project Name: Former Taylor Instruments
Project Number: 3031-05-2006-09
Received: 10/22/09 08:00

DATA QUALIFIERS AND DEFINITIONS

A-01 PH >8.3
HTI The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.
M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R2 The RPD exceeded the acceptance limit.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES



Cooler Received/Opened On: 10/22/2009 @ 8:00

NSJ2007

1. Tracking # 6739 (last 4 digits, FedEx)

Courier : Fed-ex IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 1.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) S

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (initial) W

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) S

I certify that I attached a label with the unique LIMS number to each container (initial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

Client: **MACTEC Engineering & Consulting, Inc. (4997)**

TA Account #: **63036**

PO #: **200904507**

Address: **9725 Cogdill Rd.**

Invoice to: **MACTEC Engineering & Consulting (80116)**

City, State, Zip: **Knoxville**

TN 37932

Report to: **Joe Deatherage**

Client Invoice Contact: **Attn: Accounts Payable**

Project Name: **Former Taylor Instruments**

Client Project Mgr: **Joe Deatherage**

Facility ID: **3031-05-2006-09**

Client Telephone#: **(865) 588-8544**

Fax: **(865) 588-8026**

Site Address:

Sampler Name (Print) *Angela Adams / Courtney Wolf*

City, State, Zip: **Rochester New York**

Sampler Signature: *Angela Adams / Courtney Wolf*

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Preservative								Matrix					Analyze for						RUSH TAT (Pre Schedule)		
						Field Filtered	Methanol	Sodium Bisulfate	HCL	NaOH	(Orange Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Black Label) HNO3	(Red Label) HNO3	(None)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other	(specify)	8260B Volatile Organics	Carbon Dioxide SM 4500CO2C		RSK-175 Ethane	RSK-175 Methane
BR-07	10/19/09	1047	3	✓	N				✓											NSJ2007						01	
BR-01		1125																									02
BR-02		1205																									03
TW-20		1325																									04
TW-07		1414																									05
TW-04		1505																									06
BR-03		1535																									07
BR-17	10/20/09	1630	3	✓	N				✓																		08
BR-08	10/20/09	1846	3	✓	N				✓																		09
BR-11		0924	3	✓	N				✓																		10

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: **BO # 16687**

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by: <i>Courtney Wolf</i>	Date: <i>10/21/09</i>	Time: <i>15:15</i>	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Shipped Via: <i>Fedex</i>	Shipped Via:		QC Deliverables (Please Circle One): <u>Level 2</u> Level 3 Level 4 Site Specific				Date Due of Report:	
Received for TestAmerica by: <i>J. Hill</i>	Date: <i>10/22/09</i>	Time: <i>8:40</i>	Temperature Upon Receipt: <i>1.6</i>	Sample Containers Intact? Y N	(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)			
				VOCs Free of Headspace? Y N				

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

Client Telephone#: (865) 588-8544

Fax: (865) 588-8026

Site Address:

Sampler Name (Print) Angela Adams / Courtney Wolf

City, State, Zip: Rochester New York

Sampler Signature: *Angela Adams / Courtney Wolf*

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative						Matrix						Analyze for	RUSH TAT (Pre Schedule) *								
							Methanol	Sodium Bisulfate	HCL (Blue Label)	NaOH (Orange Label)	Plastic H2SO4 (Yellow Label)	Glass H2SO4 (Yellow Label)	HNO3 (Red Label)	None (Black Label)	Groundwater	Wastewater	Drinking Water	Sludge			Soil	Other (specify)	8260B Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B	
OB-05	10/21/09	0921	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	29
BR-05	10/21/09	1007	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30
BR-05 (MS)	10/21/09	1008	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31
BR-05 (MSD)	10/21/09	1010	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	31
QATB-01	10/21/09																											

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: **BO # 16687**

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
<i>Courtney Wolf</i>	10/21/09	1515						
Shipped Via:	Shipped Via:			QC Deliverables (Please Circle One):				Date Due of Report:
<i>Fedex</i>				<input checked="" type="radio"/> Level 2 <input type="radio"/> Level 3 <input type="radio"/> Level 4 <input type="radio"/> Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)				
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N			
<i>J.M.L.</i>	10/21/09	820	1.6	Y N	Y N			



Client Name: Mactec
Contact: Joe Deatherage
Address: 9725 Cogdill Road
Knoxville, TN 37932

Page: Page 1 of 3
Lab Proj #: P0910369
Report Date: 10/28/09
Client Proj Name: ABB Rochester
Client Proj #: 3031-05-2009.09

Laboratory Results

Total pages in data package: 3

<u>Lab Sample #</u>	<u>Client Sample ID</u>
P0910369-01	OB-04
P0910369-02	OB-08

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Debbie Hallo **Date:** 12-3-09

Project Manager: Debbie Hallo

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

*As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.*

Case Narrative: This report is being reissued on 12/2/09. We are now reporting Lactic Acid, and not Lactic/HIBA.

Client Name: Mactec
Contact: Joe Deatherage
Address: 9725 Cogdill Road
Knoxville, TN 37932

Page: Page 2 of 3
Lab Proj #: P0910369
Report Date: 10/28/09
Client Proj Name: ABB Rochester
Client Proj #: 3031-05-2009.09

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
OB-04	Water	P0910369-01	21 Oct. 09 14:03	22 Oct. 09 14:55		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
SemiVolatiles						
N Acetic Acid	80.000	0.700	mg/L	AM23G	10/26/09	kb
N Butyric Acid	2.000	0.070	mg/L	AM23G	10/23/09	kb
N Formic Acid	0.660	0.100	mg/L	AM23G	10/23/09	kb
N Lactic Acid	<0.100	0.100	mg/L	AM23G	10/23/09	kb
N Propionic Acid	0.920	0.700	mg/L	AM23G	10/26/09	kb
N Pyruvic Acid	0.190	0.070	mg/L	AM23G	10/23/09	kb



Client Name: Mactec
 Contact: Joe Deatherage
 Address: 9725 Cogdill Road
 Knoxville, TN 37932

Page: Page 3 of 3
 Lab Proj #: P0910369
 Report Date: 10/28/09
 Client Proj Name: ABB Rochester
 Client Proj #: 3031-05-2009.09

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>	<u>Sampled Date/Time</u>	<u>Received</u>		
OB-08	Water	P0910369-02	21 Oct. 09 11:28	22 Oct. 09 14:55		
<u>Analyte(s)</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
<u>SemiVolatiles</u>						
N Acetic Acid	<0.070	0.070	mg/L	AM23G	10/23/09	kb
N Butyric Acid	<0.070	0.070	mg/L	AM23G	10/23/09	kb
N Formic Acid	<0.100	0.100	mg/L	AM23G	10/23/09	kb
N Lactic Acid	0.110	0.100	mg/L	AM23G	10/23/09	kb
N Propionic Acid	<0.070	0.070	mg/L	AM23G	10/23/09	kb
N Pyruvic Acid	<0.070	0.070	mg/L	AM23G	10/23/09	kb



05/21/09 23:59

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

Client Telephone#: (865) 588-8544

Fax: (865) 588-8026

Site Address: 95 AMES STREET

Sampler Name (Print) ANGELA ADAMS

City, State, Zip: ROCHESTER New York

Sampler Signature: *Angela Adams*

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Preservative						Matrix					Analyze for	RUSH TAT (Pre Schedule)																															
								(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil			Other	(specify)	Organics	Carbon Dioxide SM #500CO2C	RSK-175 Ethane	RSK-175 Methane	TOC-SM6310 B																								
QATB02	5/5/09	1526	1	X		N		X								X																																			
BR-05 MS		1427	3																																																
BR-05 MSD		1428	3																																																
OB-05		1516	3																																																
OB-09		1304	3																																																
TW-17		1152	3																																																
BR-05		1426	3																																																
BR-10		1225	3																																																
QAFB02		1533	1																																																
QARB02		1534	1																																																

81
2
3
4
5
2
9
7
8

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 14699

Relinquished by: <i>Angela Adams</i>	Date: 5/4/09	Time: 1700	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Shipped Via: Fed Ex			Shipped Via:			QC Deliverables (Please Circle One) : Level 2 Level 3 Level 4 Site Specific		
Received for TestAmerica by: <i>Angela Adams</i>			Date: 5/4/09	Time: 1700	Temperature Upon Receipt: 4.3	Sample Containers Intact? Y N		Date Due of Report:
						VOCs Free of Headspace? Y N		

(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)



NSE0502

05/21/09 23 59

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

Client: MACTEC Engineering & Consulting, Inc. (4997)

TA Account #: 63036

PO #: 200904507

Address: 9725 Cogdill Rd.

Invoice to: MACTEC Engineering & Consulting (80116)

City, State, Zip: Knoxville TN 37932

Report to: Joe Deatherage

Client Invoice Contact: Attn: Accounts Payable

Project Name: Former Taylor Instruments

Client Project Mgr: Joe Deatherage

Facility ID: 3031-05-2006-09

Client Telephone#: (865) 588-8544

Fax: (865) 588-8026

Site Address: 95 AMES ST

Sampler Name (Print) ANGELA ADAMS

City, State, Zip: ROCHESTER New York

Sampler Signature: [Signature]

Regulatory District (CA):

Table with columns: Sample ID, Date Sampled, Time Sampled, # Containers Shipped, Grab, Composite, Field Filtered, Methanol, Sodium Bisulfate, HCL, NaOH, Preservative (Orange Label, Yellow Label, Red Label, Black Label, None), Matrix (Groundwater, Wastewater, Drinking Water, Sludge, Soil), Analyze for (Carbon Dioxide SM, Volatile Organics, TOC, RSK-175 Methane, RSK-175 Ethene), and RUSH TAT (Pre Schedule).

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

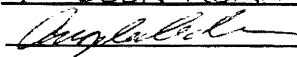
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 14699

* OB-08 please use excess VOC sample containers for RSK-175 did not collect independent 40ml

Form with fields: Relinquished by, Date, Time, Received by, Shipped Via, Temperature Upon Receipt, Sample Containers Intact?, VOCs Free of Headspace?, QC Deliverables, Date Due of Report.


Client: MACTEC Engineering & Consulting, Inc. (4997)	TA Account #: 63036	PO #: 200904507
Address: 9725 Cogdill Rd.	Invoice to: MACTEC Engineering & Consulting (80116)	
City, State, Zip: Knoxville TN 37932	Report to: Joe Deatherage	
Client Invoice Contact: Attn: Accounts Payable	Project Name: Former Taylor Instruments	
Client Project Mgr: Joe Deatherage	Facility ID: 3031-05-2006-09	
Client Telephone#: (865) 588-8544	Fax: (865) 588-8026	Site Address: 95 AMUS ST
Sampler Name (Print) ANGELA ADAMS	City, State, Zip: ROCHESTER New York	
Sampler Signature: 	Regulatory District (CA): _____	

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Preservative										Matrix					Analyze for							RUSH TAT (Pre Schedule)
								(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other	(specify)	8260B Volatile Organics	Carbon Dioxide SM 4100CO2C	RSK-1/5 Ethene	RSK-1/5 Methane	TOC SM5310 B					
OB-07	5/5/09	0935	3	X		N		X									X												10	
BR-09		1043	3																											11
QATB02		1527	1																											12
BR-11	5/5/09	0856	3																											17
OB-07 (MSD)		0938	3																											10
BR-11 (Dup)		0853	3																											14
OB-07 (MS)		0936	3																											10
OB-06		1010	3																											15

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: **BO # 14699**

Relinquished by: 	Date: 5/5/09	Time: 1700	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
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Shipped Via: FED EX	Shipped Via:	QC Deliverables (Please Circle One): <u>Level 2</u> Level 3 Level 4 Site Specific	Date Due of Report:
Received for TestAmerica by: 	Date: 5/6/09	Temperature Upon Receipt: 4.9	Sample Containers Intact? Y N
	Time: 5.4	VOCs Free of Headspace? Y N	(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
			STANDARD

REPORT TO:

Reports will be provided to the contact(s) listed below. Parties other than the contact(s) listed below will require prior approval.

Name: JOE DEATHERAGE
 Company: MACTEC
 Address: 9725 COGNILL DRIVE
KNOXVILLE, TN 37932
 email: kjdeatherage@mactec.com
 Phone: (805) 588-8544
 Fax: (865) 588-8026

Project Manager: JOE DEATHERAGE
 Project Name: FORMER TAYLOR INSTRUMENTS
 Project No.: 3031-05-2006/09

Report Type: Standard (default) Comprehensive (15% surcharge) Historical (30% surcharge)

Please contact us prior to submitting samples regarding questions about the analyses you are requesting at (865) 573-8188 (8:00 am to 4:00 pm M-F). After these hours please call (865) 300-8053.

INVOICE TO:

For Invoices paid by a third party it is imperative that contact information & corresponding reference No. be provided.

Name: MACTEC - ALPHARETTA
 Company: ACCTS/PAYABLE
 Address: LAKEWOOD AVE
ALPHARETTA, GA
 email: _____
 Phone: () _____
 Fax: () _____

Purchase Order No. 200904513
 Subcontract No. _____



2340 Stock Creek Blvd.
 Rockford, TN 37853-3044
 phone (865) 573-8188
 fax: (865) 573-8133
 email: info@microbe.com
 www.microbe.com

Please Check One:
 More samples to follow
 No Additional Samples

Saturday Delivery
 Please see sampling protocol for instructions

Sample Information					CENSUS: Please select the target organism/gene																															
MI ID (Laboratory Use Only)	Sample Name	Date Sampled	Time Sampled	Matrix	PIFA	VFA - LOW LEVEL	M/E/E	DGGE+3ID	DGGE+5ID	qDHC (Dehalococoides)	DHC Functional genes	qDHB (Dehalobacter)	qDSM (Desulfuromonas)	qDSB (Desulfobacterium)	qEBAC (Total)	qDSR (SRBs only)	qSRB/IRB	qMGN (methanogens)	qMOB (methanotrophs)	qDNF (Denitrifying)	qAOB (ammonia oxidizing)	qPM1 (MTBE aerobic)	qTOD (Initial PAHs aerobic)	qCAT (intermediate PAHs aerobic)	qBSS (TolueneXylene Anaerobic)	qNAH (Naphthalene aerobic)	add qPCR:	add qPCR:	add qPCR:	RNA (Expression Option)*	Other:	Other:	Other:	Other:		
	OB-08	5/6/09	1036	6W		X																														
	OB-04	5/6/09	1306	6W		X																														
 																																				
Relinquished by: _____ Date: <u>5/6/09</u>					Received by: _____ Date: _____																															

In order for analysis to be completed correctly, it is vital that chain of custody is filled out correctly & that all relative information is provided. Failure to provide sufficient and/or correct information regarding reporting, invoicing & analyses requested information may result in delays for which MI will not be liable. * additional cost and sample preservation are associated with RNA samples.

Client: **MACTEC Engineering & Consulting, Inc. (4997)**
Address: 9725 Cogdill Rd.
City, State, Zip: **Knoxville TN 37932**

TA Account #: 63036
Invoice to: **MACTEC Engineering & Consulting (80116)**
Report to: **Joe Deatherage**
Project Name: **Former Taylor Instruments**
Facility ID: 3031-05-2006-09
Site Address:
City, State, Zip: **Rochester New York**
Regulatory District (CA):

Client Invoice Contact: Attn: Accounts Payable
Client Project Mgr: **Joe Deatherage**
Client Telephone#: (865) 588-8544
Fax: (865) 588-8026
Sampler Name (Print): **Angela Adams / Courtney Wolf**
Sampler Signature: *Angela Adams / Courtney Wolf*

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Preservative								Matrix					Analyze for	RUSH TAT (Pre Schedule)								
								(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other	(specify)			82608 Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B			
BR-11 dup	10/20/09	0924	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
OB-07		1013																												11
OB-06		1048																												12
BR-09		1125																												13
TW-17		1254																												14
BR-10		1352																												15
OB-09		1435																												16
BR-15		1526																												17
OB-07 (ms)		1015																												18
OB-07 (msD)		1015																												12

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO# 16687

Relinquished by: <i>Courtney Wolf</i>		Date:	Time:	Received by:		Date:	Time:	Relinquished by:		Date:	Time:
Shipped Via: Fedex		10/21/09	1515								
Received for TestAmerica by: <i>S-H</i>		Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N	QC Deliverables (Please Circle One):				Date Due of Report:
		10/22/09	8:00	1.6			<input checked="" type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)				



Nashville Division
 2960 Foster Creighton Drive * Nashville TN 37204
 Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

Client: MACTEC Engineering & Consulting, Inc. (4997)
 Address: 9725 Cogdill Rd.
 City, State, Zip: Knoxville TN 37932
 Client Invoice Contact: Attn: Accounts Payable
 Client Project Mgr: Joe Deatherage
 Client Telephone#: (865) 588-8544 Fax: (865) 588-8026
 Sampler Name (Print) Angela Adams / Courtney Wolf
 Sampler Signature: Courtney Wolf

TA Account #: 63036 PO #: 200904507
 Invoice to: MACTEC Engineering & Consulting (80116)
 Report to: Joe Deatherage
 Project Name: Former Taylor Instruments
 Facility ID: 3031-05-2006-09
 Site Address:
 City, State, Zip: Rochester New York

Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	HCL	NaOH	Plastic H2SO4	Glass H2SO4	None	HNO3	Matrix		Soil	Other	8260B Volatile Organics	Carbon Dioxide SM 4500CCO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B								RUSH TAT (Pre Schedule) *	
															Groundwater	Wastewater																
OB-05	10/21/09	0921	3	✓	N				✓						✓				✓												29	
BR-05	10/21/09	1007	3	✓	N				✓						✓				✓												30	
BR-05 (MS)	10/21/09	1008	3	✓	N				✓						✓				✓													
BR-05 (MSD)	10/21/09	1010	3	✓	N				✓						✓				✓													
QATB-01	10/21/09																															31

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: BO # 16687

* Pre-Arrangements must be made AT LEAST 48 Hours in ADVANCE to receive results with RUSH turn around time commitments; additional charges may be assessed.

There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by: <u>Courtney Wolf</u>	Date: 10/21/09	Time: 1515	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Shipped Via: Fedex	Shipped Via:		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific			Date Due of Report:		
Received for TestAmerica by: <u>J.M.J.</u>	Date: 10/21/09	Time: 800	Temperature Upon Receipt: 1.6	Sample Containers Intact? Y N		(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		
				VOCs Free of Headspace? Y N				



Microseeps Lab. Proj. #

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

260

Phone: (412) 826-5245

Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238

Fax No. : (412) 826-3433

Company : MACTEC

Co. Address : 9725 Cogdill Rd.

Phone # : 865-588-8544 Fax # : 865-588-0026

Proj. Manager : Joe Deatherage

Proj. Name/Number : ABB Rochester / 3031-05-2009.09

Sampler's signature : Courtney Wolf

Cooler Temp.

Parameters Requested

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Results to : JOE DEATHERAGE

kjdeathage@mactec.com

Invoice to :

Sample ID	Sample Description	Sample Type			Date	Time	# bottles	VFA														Remarks :		
		Water	Vapor	Solid																				
OB-04	GW	✓			10/21/09	1403	2	✓																
OB-08	GW	✓			10/21/09	1128	2	✓																
NONE																								
NONE																								

Relinquished by : <u>Courtney Wolf</u>	Company : <u>MACTEC</u>	Date : <u>10/24/09</u>	Time : <u>1530</u>	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID OB-04

SITE TYPE Monitor Well

SITE ACTIVITY START 1229 END 1320

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 4.48 FT

WELL DEPTH 16.45 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 6.14 FT

SCREEN LENGTH 15 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 1.66 FT

DRAWDOWN VOLUME 0.27 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.12 L/MIN

BEGIN PURGING 1235

END PURGING 1300

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1238		6.03	0.833	52.3	8.42	13.44	-149	167 mL/m
1241	0.500	6.03	0.816	49.6	5.17	13.65	-155	
1244	0.500	6.03	0.827	38.5	4.69	13.37	-161	↓
1248	0.500	6.04	0.830	40.3	4.78	13.64	-166	125 mL/m
1251	0.500	6.06	0.835	33.8	4.30	14.12	-171	
1255	0.500	6.08	0.853	32.1	4.19	13.78	-178	
1300	0.500	6.12	0.867	34.5	4.03	14.07	-185	
1303	COLLECT OB-04 FOR 8260							
1306	COLLECT OB-04 FOR LOW LEVEL VFA							
1309	COLLECT OB-04 FOR CO ₂ , TOC, Methane/Ethane							

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

Water level readings BTDC
 5.08' @ 1238
 5.45 @ 1241
 5.73 @ 1244
 5.81 @ 1248
 5.84 @ 1251
 6.10 @ 1255
 6.14 @ 1300

NOTES

INTAKE @ 10' BTDC
 Initial slug of water had black specks (free) in it and a strong Methane odor.
 Water very dark

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID OB-05

SITE TYPE Monitor Well

SITE ACTIVITY START 1440 END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 6.11 FT

WELL DEPTH 18.0 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 6.76 FT

SCREEN LENGTH 14.0 FT

PID-WELL MOUTH — PPM

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

DRAWDOWN 0.65 FT

DRAWDOWN VOLUME 0.104 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.154 L/MIN

BEGIN PURGING 1447

END PURGING 1513

TOTAL VOL. PURGED 1.04 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
1449		7.48	2.47	0.0	9.77	14.06	68	
1452	0.500	7.45	2.38	0.0	8.40	13.76	-1	154 ml/m
1455	0.500	7.45	2.28	0.0	8.12	13.70	-24	
1458	0.500	8.05	2.27	0.0	8.05	13.71	-20	
1501	0.500	7.44	2.30	0.0	9.13	13.76	13	
1504	0.500	7.44	2.34	0.0	9.39	13.83	23	
1507	0.500	7.43	2.37	0.0	9.42	13.73	9	
1510	0.500	7.43	2.39	0.0	9.28	14.07	16	
1513	0.500	7.43	2.42	0.0	9.33	13.99	17	
1516	COLLECT SAMPLE			OB-05	FOR	82.60		

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

WATER LEVEL DTW/BTOC
 6.25' @ 1449
 6.35' @ 1452
 6.44 @ 1455
 6.51 @ 1458
 6.51 @ ~~1501~~ 1501
 6.66 @ 15.04
 6.71 @ 1507
 6.74 @ 1510
 6.76 @ 1513

NOTES

Tubing intake @ 12' BTOC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID OB-06

SITE TYPE Monitor Well

SITE ACTIVITY START 0948 END 1016

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) - FT

PROTECTIVE CASING / WELL DIFFERENCE - FT

INITIAL DEPTH TO WATER 4.28 FT

WELL DEPTH 16.45 FT

PID AMBIENT AIR - PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 5.75 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH - PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 1.47 FT

DRAWDOWN VOLUME 0.24 GAL

PRODUCT THICKNESS 0 FT

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

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

PURGE RATE 0.21 L/MIN

BEGIN PURGING 0952

END PURGING 1006

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
0954	0.500	7.60	0.757	0.0	6.40	11.72	39	250 mL/m
0956	0.500	7.50	0.752	0.0	3.74	11.65	20	250 mL/m
0958	0.500	7.58	0.747	0.0	8.26	11.69	-25	↓
1000	0.500	7.58	0.745	0.0	9.62	11.75	-58	↓
1003	0.500	7.58	0.745	0.0	9.59	11.94	-70	167 mL/m
1006	0.500	7.58	0.745	0.0	9.39	11.95	-68	↓
1010	COLLECT SAMPLE OB-06 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

WATER LEVEL DTW-BTDC
4.92' @ 0954
5.24 @ 0956
5.54 @ 0958
5.74 @ 1000
5.73 @ 1003
5.75 @ 1006

SIGNATURE

[Signature]

NOTES

intake @ 11 ft

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID OB-07

SITE TYPE Monitor Well

SITE ACTIVITY START 0914 END 0946

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 4.87 FT

WELL DEPTH 20.5 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 5.71 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH PPM

WELL INTEGRITY: YES NO N/A

- CAP
 CASING
 LOCKED
 COLLAR

DRAWDOWN 0.84 FT

DRAWDOWN VOLUME 0.13 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.167 L/MIN

BEGIN PURGING 0919

END PURGING 0932

TOTAL VOL PURGED 0.161 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
0921	0.33	7.50	0.849	0.0	6.40	11.69	65	167 mL/m
0923	0.50	7.47	0.857	0.0	3.31	11.56	55	
0926	0.50	7.46	0.855	0.0	2.93	11.53	43	
0929	0.50	7.46	0.855	0.0	2.83	11.49	35	
0932	0.50	7.46	0.854	0.0	2.68	11.58	27	
0935	collect sample OB-07							
0936	collect sample OB-07 (MS)							
0938	collect sample OB-07 (MSD)							

EQUIPMENT DOCUMENTATION

- | | | | |
|---|---|---|---|
| TYPE OF PUMP | TYPE OF TUBING | TYPE OF PUMP MATERIAL | TYPE OF BLADDER MATERIAL (if applicable) |
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> TEFLON |
| <input type="checkbox"/> SUBMERSIBLE | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | |

PURGE OBSERVATIONS

Water level receding
 5.48' @ 0923
 5.60' @ 0926
 5.66' @ 0929
 5.71' @ 0932

NOTES

intake @ 15' BTOC

SIGNATURE 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID OB-08

SITE TYPE Monitor Well

SITE ACTIVITY START 1008 END 1047

JOB NUMBER 3031052006.09

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 7.02 FT

WELL DEPTH 25.3 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 8.87 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 1.85 FT

DRAWDOWN VOLUME 0.3 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.10 L/MIN

BEGIN PURGING 1013

END PURGING 1032

TOTAL VOL PURGED 0.52 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
1015		6.86	0.754	9.2	8.21	13.55	-188	192 mL/m
1018	0.500	6.86	0.758	2.3	4.90	13.72	-192	↓
1023	0.500	6.85	0.756	0.3	4.20	13.92	-196	111 mL/m
1027	0.500	6.85	0.764	0.0	4.11	13.76	-198	
1032	0.500	6.85	0.778	0.0	3.90	13.63	-199	
1034	COLLECT	SAMPLE	OB-08	FOR	8260			
1036	COLLECT	SAMPLE	OB-08	FOR	Low-LVL VFA			
1038	COLLECT	SAMPLE	OB-08	FOR	TOC/ETHANE/METHANE/CO ₂			

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

- PERISTALTIC
- SUBMERSIBLE
- OTHER _____

TYPE OF TUBING

- TEFLON OR TEFLON LINED
- HIGH DENSITY POLYETHYLENE
- OTHER _____

TYPE OF PUMP MATERIAL

- POLYVINYL CHLORIDE
- STAINLESS STEEL
- OTHER _____

TYPE OF BLADDER MATERIAL (if applicable)

- TEFLON
- OTHER _____

PURGE OBSERVATIONS

Water level reading DTW/BTOC

7.49' @ 1015
 7.91' @ 1018
 8.33' @ 1023
 8.67' @ 1027
 8.87'

SIGNATURE



NOTES

INTAKE AT 20' BTOC
 Small slug of black flecks (H2S)

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID CB-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1235 END

JOB NUMBER 3031052006.09

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 ^{alt. 8.23} 8.3 FT

WELL DEPTH 23.3 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 9.17 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.94 FT

DRAWDOWN VOLUME 0.15 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.182 L/MIN

BEGIN PURGING 1239

END PURGING 1302

TOTAL VOL PURGED 1.12 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
1241	0.546	7.09	0.861	0.0	6.07	13.33	51	182 mL/min ↓
1244	0.500	7.07	0.877	0.0	3.69	13.02	47	
1247	0.546	7.06	0.879	0.0	3.27	13.09	42	
1250	0.546	7.06	0.850	0.0	3.20	13.10	15	
1253	0.546	7.06	0.850	0.0	3.11	12.98	3	
1256	0.546	7.06	0.881	0.0	3.10	12.96	-11	
1259	0.546	7.06	0.880	0.0	3.05	12.92	-15	
1302	0.546	7.06	0.850	0.0	3.01	12.95	-19	
1304	COLLECT SAMPLE CB-09 FOR 8260							

EQUIPMENT DOCUMENTATION

- | | | | |
|---|---|---|---------------------------------|
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> TEFLON |
| <input type="checkbox"/> SUBMERSIBLE | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | |

PURGE OBSERVATIONS

8.59' @ 1241
 8.95' @ 1244
 9.06' @ 1247
 9.10' @ 1250
 9.15' @ 1253
 9.15' @ 1256
 9.16' @ 1259
 9.17' @ 1302

NOTES

INTAKE @ 18 FT BTDC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/4/09

SITE ID TW-04

SITE TYPE Monitor Well

SITE ACTIVITY START 1339 END 1425

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 10.25 FT

WELL DEPTH 17.3 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 12.46 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH PPM

WELL INTEGRITY: CAP ✓ YES NO N/A

DRAWDOWN 2.21 FT

DRAWDOWN VOLUME 0.35 GAL

PRODUCT THICKNESS 0 FT

CASING LOCKED ✓

COLLAR ✓

((initial - final) x 0.15 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE 160 L/MIN

BEGIN PURGING 1346

END PURGING 1416

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	
1351	0.500	7.84	0.802	12.8	6.55	11.08	55	160ml/m	
1354	0.500	7.75	0.804	12.6	5.96	10.89	47	↓	
1357	0.500	7.74	0.789	12.4	5.49	10.93	33		
1400	0.500	7.74	0.771	14.6	5.34	11.07	17		
1404	0.500	7.75	0.756	16.8	4.78	10.97	-3		
1407	0.500	7.75	0.747	18.1	4.54	10.94	-11		
1410	0.500	7.75	0.737	14.4	4.45	11.16	-18		
1413	0.500	7.76	0.735	20.2	4.45	11.09	-8		
1415	0.500	7.76	0.731	20.8	4.42	11.16	-13		
1419	collect	sample	TW-04	for	8260				
N/A									

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

WL measurement

- 11.33 @ 1351
- 11.54 @ 1354
- 11.94 @ 1357
- 12.09 @ 1400
- 12.27 @ 1405
- 12.32 @ 1408
- 12.38 @ 1411
- 12.46 @ 1415

SIGNATURE: [Signature]

NOTES

Intake @ 15.5' Btoc

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID TW-07

SITE TYPE Monitor Well

SITE ACTIVITY START 1310 END 1334

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 10.24 FT

WELL DEPTH FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.79 FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.55 FT

DRAWDOWN VOLUME 0.09 GAL

PRODUCT THICKNESS FT

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

PURGE RATE 0.722 L/MIN

BEGIN PURGING 1315

END PURGING 1328

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

PURGE DATA

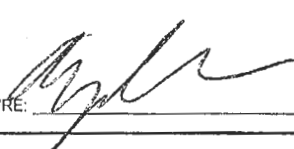
Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments	
1317	0.444	7.18	1.21	16.7	6.35	11.21	51		
1319	0.500	7.09	1.19	17.3	4.98	11.24	54	222 mL/m	
1322	0.666	7.05	1.20	12.4	4.71	11.23	60	↓	
1324	0.500	7.04	1.21	12.0	4.68	11.18	59		
1326	0.500	7.02	1.22	11.1	4.55	11.23	57		
1329	collect sample TW-07				for 8260				

EQUIPMENT DOCUMENTATION

- | | | | |
|---|---|---|---------------------------------|
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> TEFLON |
| <input type="checkbox"/> SUBMERSIBLE | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | |

PURGE OBSERVATIONS

WL readings b10c
 10.49' @ 1317
 10.56' @ 1319
 10.65' @ 1322
 10.79' @ 1324

SIGNATURE: 

NOTES

intake @ 17' B10C

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID TW-09

SITE TYPE Monitor Well

SITE ACTIVITY START 0930 END 1005

JOB NUMBER 3031052006.09

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 11.79 FT

WELL DEPTH 17.70 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 12.01 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.22 FT

DRAWDOWN VOLUME 0.04 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.20 L/MIN

BEGIN PURGING 0935

END PURGING 0955

TOTAL VOL PURGED 1.01 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
0937	0.400	7.07	0.902	72.3	9.31	12.05	134	200 mL/m
0940	0.500	7.00	0.889	32.8	4.96	11.94	129	
0942	0.500	6.98	0.883	9.8	4.12	12.03	119	
0945	0.500	6.98	0.890	6.3	3.87	11.86	112	
0947	0.500	6.99	0.889	5.7	3.72	11.77	100	
0950	0.500	6.99	0.891	5.30	3.64	11.73	91	
0952	0.500	6.99	0.891	5.4	3.57	11.69	63	
0955	0.500	6.99	0.891	4.9	3.53	11.66	48	
0957	COLLECT SAMPLE TW-09 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 BI ADDER MATERIAL (if applicable)

TEFLON
 OTHER

PURGE OBSERVATIONS

WATER LEVELS DTW/BTOC

11.88' @ 0937
11.92 @ 0940
11.95 @ 0942
11.96 @ 0945
11.98 @ 0947
11.99 @ 0950
11.99 @ 0952
12.01 @ 0955

SIGNATURE: 

NOTES

INTAKE AT 15' BTOC

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE: 5-5-09

SITE ID: TW-17

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1133 END 1158

JOB NUMBER: 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): FT

PROTECTIVE CASING / WELL DIFFERENCE: FT

INITIAL DEPTH TO WATER: 8.96 FT

WELL DEPTH: 17.45 FT

PID AMBIENT AIR: PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 9.68 FT

SCREEN LENGTH: 5 FT

PID WELL MOUTH: PPM

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

DRAWDOWN: 0.72 FT

DRAWDOWN VOLUME: 0.12 GAL

PRODUCT THICKNESS: 0 FT

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

PURGE RATE: 0.219 L/MIN

BEGIN PURGING: 1138

END PURGING: 1150

TOTAL VOL. PURGED: 0.72 GAL
 (purge rate (L/min) x curation (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
1140	0.438	7.00	0.843	0.0	9.80	10.87	90	219 mL/m
1142	0.500	6.96	0.847	0.0	7.40	10.43	84	
1144	0.500	6.94	0.870	0.0	6.85	10.40	77	
1147	0.657	6.90	0.878	0.0	6.56	10.29	69	
1150	0.657	6.88	0.880	0.0	6.40	10.27	64	
1152	COLLECT		SAMPLE	TW-17	FOR	8260		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL, (if applicable)
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> OTHER _____	<input type="checkbox"/> TEFLON OR TEFLON LINED <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE <input type="checkbox"/> OTHER _____	<input type="checkbox"/> POLYVINYL CHLORIDE <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> OTHER _____	<input type="checkbox"/> TEFLON <input type="checkbox"/> OTHER _____

PURGE OBSERVATIONS

Water level readings
 9.40' @ 1140
 9.54' @ 1142
 9.61' @ 1144
 9.66 @ 1147
 9.68 @ 1152

NOTES

Intake @ 14' BTOC

SIGNATURE: *Angela Lab*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID TW-20

SITE TYPE Monitor Well

SITE ACTIVITY START 1100 END 1140

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 12.72 FT

WELL DEPTH 17.22 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 13.10 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.38 FT

DRAWDOWN VOLUME 0.06 GAL

PRODUCT THICKNESS — FT

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

PURGE RATE 0.176 L/MIN

BEGIN PURGING 1110

END PURGING 1125

TOTAL VOL PURGED 0.67 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
1115	0.500	7.63	1.47	16.50	4.15	9.96	53	176 mL/m
1117	0.500	7.62	1.48	14.40	3.80	9.84	49	
1120	6.500	7.62	1.50	12.30	3.55	9.74	50	
1123	0.500	7.63	1.52	12.50	3.47	9.60	43	
1125	0.500	7.63	1.53	12.85	3.50	9.64	37	
1128	collect sample TW-20 for 8260							
N/A								

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

WL
12.94' @ 1115
12.99 @ 1117
13.03 @ 1120
13.07 @ 1123
13.10 @ 1125

NOTES

intake @ 15'

SIGNATURE 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID W-5

SITE TYPE Monitor Well

SITE ACTIVITY START 1052 END 1135

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 6.11 FT

WELL DEPTH 21.8 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 8.44 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 2.33 FT

DRAWDOWN VOLUME 0.37 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.11 L/MIN

BEGIN PURGING 1100

END PURGING 1123

TOTAL VOL. PURGED 0.65 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
1103		6.70	1.54	24.2	7.93	13.02	14	
1106	0.500	6.69	1.51	19.7	4.62	13.20	18	152 mL/m
1111	0.500	6.70	1.52	6.0	4.75	13.05	10	
1115	0.500	6.71	1.52	0.0	4.82	12.64	11	121 mL/m
1119	0.500	6.71	1.51	0.0	4.64	12.73	5	
1123	0.500	6.71	1.51	0.0	4.56	12.75	1	
1125	COLLECT SAMPLE W-5 FOR 8260							
1127	COLLECT SAMPLE W-5 (DUP) 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

WATER LEVEL EDGS DTW/BTOC
6.57' @ 1103
7.16 @ 1106
7.54 @ 1111
7.89 @ 1115
8.19 @ 1119
8.44 @ 1123

NOTES

INTAKE @ 17' BTOC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID BR-01

SITE TYPE Monitor Well

SITE ACTIVITY START 1035 END 1057

JOB NUMBER 3031052006.09

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 14.13 FT

WELL DEPTH 38.60 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 14.60 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

WELL INTEGRITY: YES NO N/A
 CASING
 LOCKED
 COLLAR

DRAWDOWN 0.47 FT

DRAWDOWN VOLUME 0.31 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 250 mL/MIN

BEGIN PURGING 1041

END PURGING 1053

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1045	0.500	9.90	0.341	28.3	4.50	11.73	-15	250 mL/m
1048	0.500	9.89	0.332	34.3	3.89	11.65	-20	
1050	0.500	9.90	0.328	23.7	3.64	11.58	-25	
1052	0.500	9.91	0.327	24.2	3.51	11.57	-29	
1055	collect sample BR-01 for 8260							
<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 2em; opacity: 0.5;">N/A</div>								

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 BI ADDER MATERIAL (if applicable)

- TEFLON
- OTHER _____

PURGE OBSERVATIONS

WL
 1st - 14.42 1045
 2nd - 14.50 1048
 3rd - 14.56 1050
 4th - 14.60 1052

NOTES

intake @ 17' BTOE

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/4/09

SITE ID BR02

SITE TYPE Monitor Well

SITE ACTIVITY START 1240 END 1308

JOB NUMBER 3031052C06.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 22.37 FT

WELL DEPTH 42.75 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 22.77 FT

SCREEN LENGTH — FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.40 FT

DRAWDOWN VOLUME 0.26 GAL

PRODUCT THICKNESS — FT

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

PURGE RATE 208 L/MIN

BEGIN PURGING 1245

END PURGING 1301

TOTAL VOL PURGED 0.67 GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1250	1.04	7.89	0.874	768.0	4.21	13.39	-222	
1253	0.500	7.90	0.853	721.0	3.69	13.29	-230	208 mL/m
1255	0.500	7.92	0.847	555.0	3.48	13.27	-234	
1258	0.500	7.93	0.842	423.0	3.39	13.20	-231	
1300	0.500	7.94	0.834	372.0	3.28	13.32	-231	
1303	collect	sample		BR-02	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

WL Reading DTW/BTDC

22.60' @ 1250
 22.64' @ 1253
 22.70' @ 1255
 22.74' @ 1258
 22.77' @ 1300

SIGNATURE

[Handwritten Signature]

NOTES

Intake @ 25' btoc

had a problem w/ flow cell leaking while fixing stirred up water resulting in high turb readings

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID BR-03

SITE TYPE Monitor Well

SITE ACTIVITY START 1426 END 1500

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER 10.74 FT

WELL DEPTH 40.1 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 11.89 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 1.15 FT

DRAWDOWN VOLUME 0.75 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.20 L/MIN

BEGIN PURGING 1430

END PURGING 1453

TOTAL VOL PURGED 1.20 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
1437	1.40	8.36	1.17	245.0	9.92	11.01	-250	200 ml/m
1442	1.0 ^{net}	8.40	1.16	168.0	3.00	10.89	-263	↓
1444	0.580	8.40	1.16	164.0	2.89	10.84	-264	
1447	0.600	8.40	1.15	135.0	2.78	10.97	-265	
1450	0.600	8.40	1.16	131.0	2.78	10.76	-264	
1453	0.600	8.40	1.16	128.0	2.75	10.91	-265	
1455	collected sample BR-03 for 8260							
N/A								

EQUIPMENT DOCUMENTATION

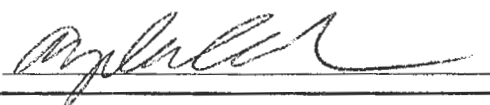
- | | | | |
|---|--|--|---|
| <p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC
<input type="checkbox"/> SUBMERSIBLE
<input type="checkbox"/> OTHER _____ | <p>TYPE OF TUBING</p> <input type="checkbox"/> TEFLON OR TEFLON LINED
<input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE
<input type="checkbox"/> OTHER _____ | <p>TYPE OF PUMP MATERIAL</p> <input type="checkbox"/> POLYVINYL CHLORIDE
<input type="checkbox"/> STAINLESS STEEL
<input type="checkbox"/> OTHER _____ | <p>TYPE OF BLADDER MATERIAL (if applicable)</p> <input type="checkbox"/> TEFLON
<input type="checkbox"/> OTHER _____ |
|---|--|--|---|

PURGE OBSERVATIONS

DTW below TOC
 11.13 @ 1442
 11.59 @ 1444
 11.78 @ 1450
 11.89 @ 1455

NOTES

Intake @ 14' BTDC
 Initial water lots of iron particulate caused purge to dump flow cell

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID BR-04

SITE TYPE Monitor Well

SITE ACTIVITY START 0901 END 0927

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 18.64 FT

WELL DEPTH 44.2 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 18.64 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0 FT

DRAWDOWN VOLUME 0 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.16 L/MIN

BEGIN PURGING 0906

END PURGING 0920

TOTAL VOL. PURGED 0.58 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
0908		9.02	0.313	18.1	7.91	13.42	84	217 mL/m
0910	0.500	8.91	0.313	13.6	4.38	13.44	79	
0913	0.651	8.85	0.313	13.0	3.77	13.30	71	
0915	0.434	8.83	0.312	11.6	3.60	13.52	64	
0917	0.434	8.81	0.312	11.2	3.49	13.49	58	
0920	0.651	8.67	0.311	11.4	3.38	13.44	52	
0923	COLLECT SAMPLE BR-04 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

18.64' @ 0908
18.64' @ 0913
18.64' @ 0915
18.64' @ 0920

NOTES

Intake @ 19' BTDC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2006 1st Semi-Annual Sampling Event

DATE: 5/5/09

SITE ID: BR-05

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1344 END

JOB NUMBER: 3031052006 09

WATER LEVEL / PUMP SETTINGS		MEASUREMENT POINT		PROTECTIVE CASING STICKUP (FROM GROUND)		PROTECTIVE CASING / WELL DIFFERENCE	
		<input type="checkbox"/> TOP OF WELL RISER		_____ FT		_____ FT	
		<input checked="" type="checkbox"/> TOP OF PROTECTIVE CASING					
		<input checked="" type="checkbox"/> OTHER					
INITIAL DEPTH TO WATER	18.85 FT	WELL DEPTH	50.15 FT	PID AMBIENT AIR	_____ PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	18.86 FT	SCREEN LENGTH	N/A FT	PID WELL MOUTH	_____ PPM	WELL INTEGRITY: CAP	YES NO N/A
DRAWDOWN	0.01 FT	DRAWDOWN VOLUME	0.007 GAL	PRODUCT THICKNESS	0 FT	CASING LOCKED	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<small>((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))</small>							
PURGE RATE	0.2 L/MIN	BEGIN PURGING	1348	END PURGING	1421	TOTAL VOL PURGED	1.72 GAL
<small>(purge rate (L/min) x duration (min) x 0.26 gal/L)</small>							

PURGE DATA								
Time	VOLUME PURGED (L)	pH (units)	SpC (conc) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1351	0.750	8.60	0.228	92.5	5.38	14.89	20	250 mL/m
1353	0.500	8.65	0.223	65.5	3.99	14.69	4	
1355	0.500	8.65	0.221	15.7	3.57	14.71	-9	
1358	0.500	8.65	0.220	0.0	3.35	14.82	-27	200 mL/m
1403	0.500	8.65	0.220	0.0	3.22	14.89	-72	700 mL/m
1406	0.500	8.65	0.220	0.0	3.17	14.90	-94	760 mL/m
1410	0.500	8.65	0.220	0.0	3.12	14.84	-10	200 mL/m
1415	0.500	8.65	0.220	0.0	3.15	14.86	-136	
1418	0.600	8.65	0.220	0.0	3.11	14.92	-145	
1421	0.600	8.65	0.219	0.0	3.08	15.13	-153	
1426	COLLECT BR-05							
1427	COLLECT BR-05(MS)							
1428	COLLECT BR-05(MSD)							

EQUIPMENT DOCUMENTATION			
TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> TEFLON OR TEFLON LINED	<input type="checkbox"/> POLYVINYL CHLORIDE	<input type="checkbox"/> TEFLON
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE	<input type="checkbox"/> STAINLESS STEEL	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	

PURGE OBSERVATIONS

18.80 @ 1351
 18.82 @ 1353
 18.85 @ 1355
 18.86 @ 1358
 18.86 @ 1409
 18.86 @ 1407
 18.86 @ 1411
 18.86 @ 1416

SIGNATURE: *[Signature]*

NOTES

Target intake @ 21 ft

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID BR-07

SITE TYPE Monitor Well

SITE ACTIVITY START 0930 END 1027

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 22.91 FT

WELL DEPTH 53.3 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 22.94 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 0.03 FT

DRAWDOWN VOLUME 0.01 GAL

PRODUCT THICKNESS 0 FT

WELL INTEGRITY: CASING LOCKED COLLAR YES NO N/A

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

PURGE RATE 0.250 L/MIN

BEGIN PURGING 1001

END PURGING 1018

TOTAL VOL PURGED 0.706 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
1005		8.50	3.02	65.5	4.25	13.84	-221	clear, yellow
1008	500 mL	8.66	3.04	59.9	3.06	13.59	-266	179 mL/m
1011	500 mL	8.73	3.05	57.5	2.85	13.40	-293	250 mL/m
1013	500 mL	8.76	3.06	62.9	2.79	13.35	-298	250 mL/m
1016	500 mL	8.78	3.06	55.9	2.78	13.31	-300	250 mL/m
1019	collect sample							BR-07 for 8260
								N/A

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

1001 begin purge
1019 collect (3) 40ML VOAs

NOTES

Intake @ 26' BTDC
1st WL = 22.94 btoc
2nd WL = 22.94 btoc
3rd WL = 22.94 btoc

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID BR-08

SITE TYPE Monitor Well

SITE ACTIVITY START 1536 END 1612

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 18.89 FT

WELL DEPTH 74.55 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 20.13 FT

SCREEN LENGTH — FT

PID WELL MOUTH — PPM

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

DRAWDOWN 1.24 FT

DRAWDOWN VOLUME 0.806 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 0.178 L/MIN

BEGIN PURGING 1542

END PURGING 1604

TOTAL VOL PURGED 1.02 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
1546	0.712	9.55	0.937	269.0	5.78	13.50	-65	178 mL/m
1549	0.534	9.59	0.937	205.0	3.72	13.50	-121	
1551	0.500	9.61	0.937	181.0	3.21	13.52	-177	
1554	0.534	9.61	0.936	175.0	3.00	13.67	-209	
1557	0.534	9.62	0.936	154.0	2.97	13.53	-229	
1600	0.534	9.63	0.937	120.0	3.24	13.57	-230	
1603	0.534	9.65	0.937	104.0	3.27	13.50	-234	
1607	collect sample BR-08 for 8260							
TIME								

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

DTW - BTOC

19.28' @ 1549
 19.44' @ 1551
 19.62' @ 1554
 19.78 @ 1557
 19.97 @ 1600
 20.13 @ 1603

SIGNATURE: *[Signature]*

NOTES

target intake @ 22.5 ft btoc

turbidity is influenced by residual particulates in flow cell water in tubing and purge bucket clean.

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-5-09

SITE ID BR-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1018 END 1050

JOB NUMBER 3031052006 09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 18.50 FT

WELL DEPTH 47.0 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 18.55 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.05 FT

DRAWDOWN VOLUME 0.08 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.2 L/MIN

BEGIN PURGING 10:24

END PURGING 1041

TOTAL VOL. PURGED 0.89 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
1026	0.358	8.51	0.359	21.1	5.11	13.22	8	179 mL/m
1030	0.500	8.58	0.357	34.4	3.33	13.20	1	179 mL/m
1032	0.500	8.58	0.357	10.4	3.18	13.06	-4	179 mL/m
1034	0.500	8.59	0.354	14.7	3.04	13.14	-10	212 mL/m
1036	0.500	8.59	0.353	0.5	2.98	13.14	-17	↓
1039	0.636	8.59	0.353	0.0	2.87	13.15	-26	
1041	0.424	8.59	0.353	0.0	2.84	13.17	-31	
1043	COLLECT SAMPLE			BR-09	FOR	82.60		

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

WATER LEVEL RDG
18.55' @ 1026 BTDC
18.55' @ 1030
18.55' @ 1032
18.55' @ 1039

NOTES

Tubing intake @ 20.5' BTDC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2006 1st Semi-Annual Sampling Event

DATE 5-5-09

SITE ID BR-10

SITE TYPE Monitor Well

SITE ACTIVITY START 1200 END 1232

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER 18.15 FT

WELL DEPTH 47.0 FT

PID AMBIENT AIR PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 18.15 FT

SCREEN LENGTH N/A FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.0 FT

DRAWDOWN VOLUME 0.0 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.250 L/MIN

BEGIN PURGING 1207

END PURGING 1222

TOTAL VOL. PURGED 0.98 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
1209	0.50	7.69	0.516	84.3	6.68	13.52	-115	250 mL/m
1211	0.500	7.74	0.511	21.9	4.17	13.43	-143	↓
1213	0.500	7.76	0.508	20.9	3.89	13.48	-153	
1216	0.750	7.76	0.507	20.3	3.78	13.43	-155	
1218	0.500	7.77	0.507	34.8	3.69	13.47	-157	
1220	0.500	7.77	0.507	37.6	3.70	13.42	-161	
1222	0.500	7.77	0.507	37.2	3.65	13.47	-160	
1225	COLLECT SAMPLE			BR-10	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

WATER Level DTW/BTOC

18.14' @ 1209
18.15 @ 1211
18.15 @ 1213
18.15 @ 1216
18.15 @ 1220
18.15 @ 1222

SIGNATURE: *Angela Lee*

NOTES

Intake @ 20.5' BTOC

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former: Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-5-09

SITE ID BR-11

SITE TYPE Monitor Well

SITE ACTIVITY START 0820 END 0902

JOB NUMBER 3031052C06.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) — FT

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 18.44 FT

WELL DEPTH 52.0 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 18.44 FT

SCREEN LENGTH N/A FT

PID WELL MOUTH — PPM

WELL INTEGRITY: YES NO N/A
 CASING
 LOCKED
 COLLAR

DRAWDOWN 0.02 FT

DRAWDOWN VOLUME 0.03 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.222 L/MIN

BEGIN PURGING 0826

END PURGING 0853

TOTAL VOL. PURGED 1.57 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	0.1	3%	10%	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
		pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)				
0829	0.666	6.95	0.635	218.0	5.30	12.61	108	222 mL/m
0831	0.50	7.64	0.627	116.0	3.11	12.57	84	
0836	1.11	8.11	0.624	65.8	2.59	12.68	40	
0838	0.444	8.19	0.623	48.5	2.52	12.58	2	
0845	1.55	8.26	0.623	0.0	2.42	12.54	-75	
0850	1.11	8.27	0.623	0.0	2.41	12.55	-124	
0853	0.666	8.27	0.623	0.0	2.38	12.54	-142	↓
0856	COLLECT SAMPLE BR-11 for 8260							
0858	COLLECT SAMPLE BR-11 (DUP) for 8260							

EQUIPMENT DOCUMENTATION

- | | | | |
|---|---|---|---|
| TYPE OF PUMP | TYPE OF TUBING | TYPE OF PUMP MATERIAL | TYPE OF BLADDER MATERIAL (if applicable) |
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> TEFLON |
| <input type="checkbox"/> SUBMERSIBLE | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> OTHER _____ |
| <input type="checkbox"/> OTHER _____ | <input type="checkbox"/> OTHER _____ | <input type="checkbox"/> OTHER _____ | |

PURGE OBSERVATIONS

water level readings BTW-BTDC

18.44' @ 0829
 18.44' @ 0831
 18.45' @ 0836
 18.45' @ 0838
 18.45' @ 0845
 18.46' @ 0850
 18.46' @ 0853

NOTES

Intake @ 20.5 ft BTDC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID BR-15

SITE TYPE Monitor Well

SITE ACTIVITY START 0824 END 0857

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER 16.67 FT

WELL DEPTH 72.0 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 17.17 FT

SCREEN LENGTH N/A FT

PID WELL MOUTH _____ PPM

WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR

DRAWDOWN 0.4 FT

DRAWDOWN VOLUME 0.59 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.2 L/MIN

BEGIN PURGING 0829

END PURGING 0846

TOTAL VOL. PURGED 0.88 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
0831	0.400	10.72	0.332	115.0	9.56	13.98	22	200 mL/m
0834	0.500	10.81	0.316	87.1	7.02	13.66	18	
0836	0.500	10.86	0.312	48.8	6.42	13.58	18	
0839	0.500	10.89	0.311	23.7	6.14	13.59	21	
0841	0.500	10.90	0.310	17.4	6.02	13.58	22	
0844	0.500	10.90	0.310	110.3	5.94	13.52	22	
0846	0.500	10.90	0.310	16.4	5.90	13.53	21	
0849	COLLECT SAMPLE BR-15 FOR 8260							

EQUIPMENT DOCUMENTATION

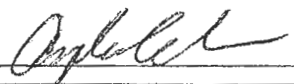
TYPE OF PUMP: PERISTALTIC, SUBMERSIBLE, OTHER _____
 TYPE OF TUBING: TEFLON OR TEFLON LINED, HIGH DENSITY POLYETHYLENE, OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE, STAINLESS STEEL, OTHER _____
 TYPE OF BLADDER MATERIAL (if applicable): TEFLON, OTHER _____

PURGE OBSERVATIONS

WATER LEVEL DTW - BTOC
 16.71' @ 0831
 16.79' @ 0834
 16.87' @ 0836
 16.93' @ 0839
 17.02' @ 0841
 17.10' @ 0844
 17.17' @ 0846

NOTES

Intake @ 19' BTOC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5-4-09

SITE ID BR-17

SITE TYPE Monitor Well

SITE ACTIVITY START 1507 END 1530 *1535*

JOB NUMBER 3031052006 09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER 18.98 FT

WELL DEPTH 62.2 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 19.02 FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 0.04 FT

DRAWDOWN VOLUME 0.06 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.25 L/MIN

BEGIN PURGING 1513

END PURGING 1528

TOTAL VOL PURGED 0.98 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
1515								
1517	1.0	8.42	0.371	60.8	5.26	13.32	-133	250mL/m
1520	0.500	8.41	0.371	61.3	3.45	13.31	-132	↓
1522	0.500	8.40	0.371	49.1	3.20	13.34	-131	
1524	0.500	8.39	0.372	39.4	3.23	13.28	-134	
1526	0.500	8.40	0.371	37.2	3.12	13.38	-135	
1528	0.500	8.39	0.371	37.9	3.10	13.38	-137	
1530	collect sample BR-17 for 82100							
N/A								

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

DTW BTDC
 19.02' @ 1517
 19.02' @ 1520
 19.02' @ 1528
 19.02' @ 1524
 19.02' @ 1529

NOTES

Intake @ 21' BTDC
 intermittent iron particulates, for first 1L

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID QATBO1

SITE TYPE Monitor Well

SITE ACTIVITY START END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER FT

WELL DEPTH FT

PID AMBIENT AIR PPM

WELL DIAMETER IN

FINAL DEPTH TO WATER FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

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

DRAWDOWN FT

DRAWDOWN VOLUME GAL

PRODUCT THICKNESS FT

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

PURGE RATE L/MIN

BEGIN PURGING

END PURGING

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1520	COLLECT							QATBO1 FOR 8260

EQUIPMENT DOCUMENTATION

<u>TYPE OF PUMP</u>	<u>TYPE OF TUBING</u>	<u>TYPE OF PUMP MATERIAL</u>	<u>TYPE OF BLADDER MATERIAL (if applicable)</u>
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> TEFLON OR TEFLON LINED	<input type="checkbox"/> POLYVINYL CHLORIDE	<input type="checkbox"/> TEFLON
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE	<input type="checkbox"/> STAINLESS STEEL	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	

PURGE OBSERVATIONS

SIGNATURE: *[Signature]*

NOTES

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID QATB02

SITE TYPE Monitor Well

SITE ACTIVITY START END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

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

PURGE DATA

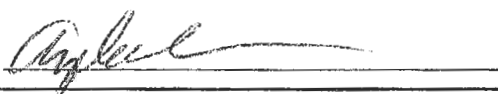
Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1527	COLLECT		QATB02		FOR B260			

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

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE: 5/5/09

SITE ID: QAFB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START _____ END _____

JOB NUMBER: 3031052006.09

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1533	COLLECT							QAFB01 - D1 H ₂ O

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

SIGNATURE: 

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/6/09

SITE ID QAFB02

SITE TYPE Monitor Well

SITE ACTIVITY START END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER FT

WELL DEPTH FT

PID AMBIENT AIR PPM

WELL DIAMETER IN

FINAL DEPTH TO WATER FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

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

DRAWDOWN FT

DRAWDOWN VOLUME GAL

PRODUCT THICKNESS FT

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

PURGE RATE L/MIN

BEGIN PURGING

END PURGING

TOTAL VOL PURGED GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1322	COLLECT							QAFB02 (D1 H ₂ O) 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

SIGNATURE

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 9/15/09

SITE ID QARBO1

SITE TYPE Monitor Well

SITE ACTIVITY START END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

WELL INTEGRITY: YES NO N/A

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

CAP _____
CASING LOCKED _____
COLLAR _____

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

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

TOTAL VOL PURGED _____ GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1534	COLLECT	QARBO1						REBAR

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 BI ADDER MATERIAL (if applicable)

- TEFLON
- OTHER _____

PURGE OBSERVATIONS

NOTES

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 1st Semi-Annual Sampling Event

DATE 5/5/09

SITE ID QARBOZ

SITE TYPE Monitor Well

SITE ACTIVITY START END

JOB NUMBER 3031052006 09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) FT

PROTECTIVE CASING / WELL DIFFERENCE FT

INITIAL DEPTH TO WATER FT

WELL DEPTH FT

PID AMBIENT AIR PPM

WELL DIAMETER IN

FINAL DEPTH TO WATER FT

SCREEN LENGTH FT

PID WELL MOUTH PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN FT

DRAWDOWN VOLUME GAL

PRODUCT THICKNESS FT

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

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

PURGE RATE L/MIN

BEGIN PURGING

END PURGING

TOTAL VOL. PURGED GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1537	COLLECT SAMPLE QARBOZ - TUBING							

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

SIGNATURE *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID OB-04

SITE TYPE Monitor Well

SITE ACTIVITY START 1320 END 1412

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT

PROTECTIVE CASING / WELL DIFFERENCE 0.33 FT

INITIAL DEPTH TO WATER 4.66 FT

WELL DEPTH 16.45 FT

PID AMBIENT AIR 0 PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 6.23 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH 0 PPM

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

DRAWDOWN 1.57 FT

DRAWDOWN VOLUME 0.25 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.11 L/MIN

BEGIN PURGING 1327

END PURGING 1353

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1330		6.50	0.852	16.16	1.91	18.2	-249	st. odor, black
1333	0.500	6.61	0.855	23.4	0.0	18.2	-273	
1336	0.500	6.57	0.854	15.8	0.0	18.2	-296	
1340	0.500	6.57	0.854	16.4	0.0	18.3	-323	slowed purge
1344	0.500	6.58	0.856	11.9	0.0	18.3	-330	st. odor, gray
1349	0.500	6.59	0.880	18.5	0.0	18.0	-337	
1351	0.250	6.59	0.881	19.4	0.0	18.3	-341	
1353	0.250	6.59	0.881	18.8	0.0	18.4	-343	

WL
5.42
5.80
6.01
5.89
6.00
6.06
6.16
6.23

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

1400 collect VOC, CO₂, TOC
1403 collect VFA

INTAKE @ 10' BTDC
HEC in water, strong methane odor

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2008 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID ~~OB-04~~ OB-05

SITE TYPE Monitor Well

SITE ACTIVITY START 0854 END 0925

JOB NUMBER 3031052005.C9

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 0.33 FT

INITIAL DEPTH TO WATER 6.70 ~~4.66~~ ^{ala} FT

WELL DEPTH 18.0 ~~16.45~~ ^{ala} FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 7.74 FT

SCREEN LENGTH 15.14 FT

PID WELL MOUTH — PPM

WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR

DRAWDOWN 1.04 FT

DRAWDOWN VOLUME 0.16 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.160 L/MIN

BEGIN PURGING 0900

END PURGING 0918

TOTAL VOL. PURGED 0.74 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
0902		7.82	1.83	0.0	6.19	17.1	38	clean
0906	0.500	7.62	1.78	0.0	4.9	17.5	36	
0910	0.500	7.56	1.80	0.0	5.12	17.6	42	
0914	0.500	7.53	1.84	0.0	5.48	17.8	48	
0918	0.500	7.50	1.89	0.0	5.50	18.0	53	
0921	collect sample for VOCs							

WL
 7.45
 7.53
 7.63
 7.69
 7.74

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

peristaltic pump is set @ lowest setting.

NOTES

INTAKE @ 11' BTOC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID OB-06

SITE TYPE Monitor Well

SITE ACTIVITY START 1025 END 1053

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT

PROTECTIVE CASING / WELL DIFFERENCE 0.33 FT

INITIAL DEPTH TO WATER 4.60 FT

WELL DEPTH 16.45 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 5.81 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 1.21 FT

DRAWDOWN VOLUME 0.19 GAL

PRODUCT THICKNESS — FT

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

PURGE RATE 0.151 L/MIN

BEGIN PURGING 1030

END PURGING 1045

TOTAL VOL. PURGED 0.58 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
1032		7.62	0.810	0.0	3.94	16.9	52	clear
1035	0.500	7.62	0.826	0.0	1.55	17.3	46	clear
1038	0.500	7.62	0.830	0.1	1.36	17.3	42	clear
1042	0.500	7.62	0.830	0.0	1.24	17.4	39	clear
1045	0.500	7.62	0.830	0.0	1.21	17.5	37	clear
1048	collect sample							

WL
5.14
5.44
5.61
5.71
5.81

EQUIPMENT DOCUMENTATION

- | | | | | | | | |
|---|--------------------------------------|---|---|---|--|--|--------------------------------------|
| TYPE OF PUMP | | TYPE OF TUBING | | TYPE OF PUMP MATERIAL | | TYPE OF BLADDER MATERIAL (if applicable) | |
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> SUBMERSIBLE | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> TEFLON | <input type="checkbox"/> OTHER _____ |
| <input type="checkbox"/> OTHER _____ | | <input type="checkbox"/> OTHER _____ | | <input type="checkbox"/> OTHER _____ | | | |

PURGE OBSERVATIONS

NOTES

1048 collect (3) 40mL VOA vials for VOC 8260.

INTAKE @ 11' BTDC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID OB-07

SITE TYPE Monitor Well

SITE ACTIVITY START 0945 END 1023

JOB NUMBER 3031052006 09

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 0.5 FT

INITIAL DEPTH TO WATER 5.57 FT

WELL DEPTH 20.5 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 6.71 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH PPM

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

DRAWDOWN ~~0.191~~ 1.14 FT

DRAWDOWN VOLUME 0.18 GAL

PRODUCT THICKNESS FT

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

PURGE RATE 0.191 L/MIN

BEGIN PURGING 0949

END PURGING 1011

TOTAL VOL PURGED 1.1 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	WL
0951		7.47	1.16	0.0	3.81	16.6	48	clear	6.09
0953	0.500	7.42	1.16	0.0	3.29	16.6	34	clear	6.37
0956	0.500	7.40	1.22	0.0	0.85	16.7	24	clear	6.47
0958	0.500	7.39	1.24	4.3	0.75	16.8	17	clear	6.55
1001	0.500	7.38	1.23	1.8	0.68	16.9	12	clear	6.60
1003	0.500	7.37	1.31	0.8	0.53	17.0	8	clear	6.65
1006	0.500	7.37	1.30	2.7	0.48	17.0	5	clear	6.67
1009	0.500	7.37	1.27	2.6	0.43	17.0	5	clear	6.69
1011	0.500	7.36	1.26	3.5	0.42	17.1	10	clear	6.71
1013	collect sample OB-07								
1015	collect sample OB-07MS								
1016	collect sample OB-07MSD								

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

collect MS/MSD

NOTES

INTAKE @ 15' BTDC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING



PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID OB-08

SITE TYPE Monitor Well

SITE ACTIVITY START 1049 END 1141

JOB NUMBER 3031052005.09

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 0.5 FT

INITIAL DEPTH TO WATER 7.77 FT

WELL DEPTH 25.3 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.19 FT

SCREEN LENGTH 10 FT

PID WELL MOUTH — PPM

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

DRAWDOWN 2.42 FT

DRAWDOWN VOLUME 0.38 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.166 L/MIN

BEGIN PURGING 1053

END PURGING 1119

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
1056		7.08	0.878	0.0	2.4	17.4	-152	slight odor, H ₂ O
1059	0.500	7.07	0.897	1.0	0.0	17.2	-163	
1103	0.500	7.09	0.903	8.4	0.0	17.5	-171	
1108	0.500	7.08	0.907	22.3	0.0	18.1	-175	
1113	0.500	7.06	0.943	20.8	0.0	17.8	-177	
1115	0.332	7.07	0.944	24.2	0.0	17.6	-178	
1117	0.332	7.07	0.943	23.7	0.0	17.5	-178	
1119	0.332	7.06	0.937	24.8	0.27	18.0	-179	

WL
 8.76
 9.21
 9.62
 9.93
 10.06
 10.11
 10.12
 10.19

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

1128 collect sample for VFA
 1125 collect sample for
 VOC, CO₂, TOC

NOTES

Initial slug black w/ H₂O flocks
 INTAKE @ 20' BTOC

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID OB-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1402 END 1440

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT

PROTECTIVE CASING / WELL DIFFERENCE - FT

INITIAL DEPTH TO WATER 9.15 FT

WELL DEPTH 23.3 FT

PID AMBIENT AIR - PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.08 FT

SCREEN LENGTH 10.0 FT

PID WELL MOUTH - PPM

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

DRAWDOWN 0.93 FT

DRAWDOWN VOLUME 0.14 GAL

PRODUCT THICKNESS - FT

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

PURGE RATE 0.180 LMIN

BEGIN PURGING 1413

END PURGING 1433

TOTAL VOL. PURGED 0.93 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	WL
1415		7.81	0.60	26.4	4.28	17.2	30.0	clear	9.76
1417	0.500	7.63	0.601	13.6	0.0	17.2	26.0	↓	10.03
1420	0.500	7.57	0.622	6.5	0.0	17.2	25		10.14
1422	0.500	7.53	0.632	11.7	0.0	17.1	25		10.18
1426	0.500	7.48	0.636	11.6	0	17.1	28		10.10
1429	0.500	7.45	0.637	19.6	0	17.1	30		10.11
1431	0.250	7.42	0.639	21.9	0	17.1	31		10.10
1433	0.250	7.41	0.638	32.7	0	17.1	32		10.08
1435	collect sample								

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

1435 collect sample before turb rises. (3) 40mL VOA vials for VOC 826

NOTES

INTAKE @ 18.3' BTOC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID TW-04

SITE TYPE Monitor Well

SITE ACTIVITY START 1423 END

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 31.2 IN

PROTECTIVE CASING / WELL DIFFERENCE 0.25 FT

INITIAL DEPTH TO WATER 11.58 FT

WELL DEPTH 17.3 FT

PID AMBIENT AIR - PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 13.37 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH - PPM

WELL INTEGRITY: YES NO N/A
CAP
LOCKED
COLLAR

DRAWDOWN 1.79 FT

DRAWDOWN VOLUME 0.28 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 0.120 L/MIN

BEGIN PURGING 1430

END PURGING 1502

TOTAL VOL PURGED 0.99 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	WL
1432		7.23	0.591	0.30	5.44	16.5	116	clear	12.26
1436	0.500	7.21	0.589	0.80	4.21	16.5	120	clear	12.59
1441	0.500	7.25	0.577	0.9	3.25	16.6	119	clear	12.83
1446	0.500	7.28	0.572	1.1	5.02	16.4	120	clear	13.01
1450	0.500	7.29	0.563	0.4	4.83	16.6	119	clear	13.14
1455	0.500	7.30	0.576	0.2	4.60	16.5	119	clear	13.28
1500	0.500	7.30	0.578	0.2	4.44	16.6	119	clear	13.34
1502	0.240	7.31	0.576	0.3	4.39	16.5	119	clear	13.37
1505	collect sample								

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

1505 collect (3) 40ml VOA vial for VOCs 8260

SIGNATURE: 

NOTES

INTAKE @ 15/BTC

HURIBA 10/15/09

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE: 10/19/09

SITE ID: TW-08 also TW-07

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1337 END 1421

JOB NUMBER: 3031052006.09

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: 11.53 FT

WELL DEPTH: 17.5 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 12.49 FT

SCREEN LENGTH: 5 FT

PID WELL MOUTH: _____ PPM

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

DRAWDOWN: 0.96 FT

DRAWDOWN VOLUME: 0.15 GAL

PRODUCT THICKNESS: _____ FT

((initial - final) x 0.15 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE: 0.190 L/MIN

BEGIN PURGING: 1348

END PURGING: 1400

TOTAL VOL. PURGED: 1.08 GAL

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

Time	VOLUME PURGED (L)	0.1	3%	10%	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	10	Comments
		pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)			REDOX POTENTIAL (mV)	
1349		6.91	1.29	9.20	8.72	16.0	132	clean
1352	0.500	6.84	1.29	6.20	4.33	16.1	131	clean
1355	0.500	6.83	1.28	8.90	2.98	16.3	127	clean, slowed
1357	0.500	6.84	1.28	14.10	2.21	16.4	126	clean
1359	0.500	6.85	1.29	11.50	1.67	16.4	126	clean, slowed
1403	0.500	6.85	1.32	8.70	1.03	16.2	126	clean
1407	0.500	6.85	1.32	9.4	0.91	16.4	126	clean
1410	0.500	6.85	1.32	10.4	0.91	16.4	126	clean
1414	collect sample							

WL
11.73
11.86
11.98
12.01
12.20
12.30
12.41
12.49

EQUIPMENT DOCUMENTATION

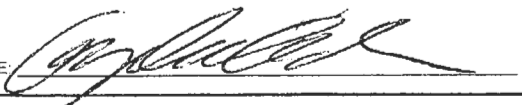
TYPE OF PUMP: PERISTALTIC SUBMERSIBLE OTHER _____
 TYPE OF TUBING: TEFLON OR TEFLON LINED HIGH DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____
 TYPE OF BLADDER MATERIAL (if applicable): TEFLON OTHER _____

PURGE OBSERVATIONS

NOTES

1414 collect (3) 40 mL VOA vials for VOC 8260

INTAKE @ 17' BTOC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID TW-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1022 END 1047

JOB NUMBER 3031052006.09

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 0.33 FT

INITIAL DEPTH TO WATER 12.07 FT

WELL DEPTH 17.70 FT

PID AMBIENT AIR PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 12.38 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.29 FT

DRAWDOWN VOLUME 0.046 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.217 L/MIN

BEGIN PURGING 1029

END PURGING 1040

TOTAL VOL. PURGED 0.62 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	WL
1031		7.31	0.834	0.7	3.93	16.5	42	clean	12.27
1033	0.500	7.16	0.832	1.8	0.20	16.8	31	↓	12.31
1035	0.500	7.12	0.831	0.0	0.0	17.0	26		12.33
1038	0.500	7.10	0.832	0.0	0.0	17.2	25		12.36
1040	0.500	7.09	0.833	0.16	0.0	17.2	24		12.38
1043	collect sample for VOCs								

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

1043 collect (3) 40mL VOA Vials for VOC 8260

NOTES

INTAKE @ 15' BTAC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID TW-17

SITE TYPE Monitor Well

SITE ACTIVITY START 1232 END 1257

JOB NUMBER 3031052006 09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 30 IN

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER 10.16 FT

WELL DEPTH 17.45 FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.73 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN 0.57 FT

DRAWDOWN VOLUME 0.09 GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE 0.18 L/MIN

BEGIN PURGING 1237

END PURGING 1251

TOTAL VOL. PURGED 0.65 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	WL
1238		7.14	0.970	1.0	3.53	15.7	-139	clear	10.56
1241	0.500	7.03	0.970	0.0	0.0	15.7	-144	clear	10.63
1243	0.500	7.00	0.970	4.1	0.0	15.7	-145	clear	10.66
1246	0.500	6.99	0.970	0.0	0.0	15.7	-144	clear	10.69
1248	0.500	6.98	0.970	0.0	0.0	15.7	-144	clear	10.70
1251	0.500	6.98	0.97	0.0	0.0	15.7	-144	clear	10.73
1254	collect sample								

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

1254 collect (3) 40mL VOA vials for VOC R2600

NOTES

INTAKE @ 15' BTOC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID TW-20

SITE TYPE Monitor Well

SITE ACTIVITY START 1300 END 1333

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 27.5 IN

PROTECTIVE CASING / WELL DIFFERENCE 0.25 FT

INITIAL DEPTH TO WATER 13.12 FT

WELL DEPTH 17.22 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 13.73 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH — PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN 0.61 FT

DRAWDOWN VOLUME 0.09 GAL

PRODUCT THICKNESS — FT

CASING LOCKED YES NO N/A

COLLAR YES NO N/A

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

PURGE RATE 0.220 L/MIN

BEGIN PURGING 1305

END PURGING 1323

TOTAL VOL. PURGED 1.02 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	WL
1307		7.01	1.37	3.20	3.27	15.1	131	clear	13.33
1309	0.500	7.07	1.35	2.20	1.22	15.2	126	clear	13.42
1312	0.500	7.12	1.34	1.70	1.60	15.2	123	clear	13.51
1314	0.500	7.14	1.34	1.60	1.87	15.3	121	clear	13.58
1317	0.500	7.16	1.33	0.90	1.78	15.2	119	clear	13.64
1320	0.500	7.17	1.31	1.10	1.64	15.3	119		
1323	0.500	7.17	1.29	0.90	1.58	15.3	119		13.73
1325	collect sample								

EQUIPMENT DOCUMENTATION

- | | | | |
|---|---|---|---|
| TYPE OF PUMP | TYPE OF TUBING | TYPE OF PUMP MATERIAL | TYPE OF BLADDER MATERIAL (if applicable) |
| <input checked="" type="checkbox"/> PERISTALTIC | <input type="checkbox"/> TEFLON OR TEFLON LINED | <input type="checkbox"/> POLYVINYL CHLORIDE | <input type="checkbox"/> TEFLON |
| <input type="checkbox"/> SUBMERSIBLE | <input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE | <input type="checkbox"/> STAINLESS STEEL | <input type="checkbox"/> OTHER |
| <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | <input type="checkbox"/> OTHER | |

PURGE OBSERVATIONS

1325 collect (3) 40mL VOA for VOCs 82600

NOTES

INTAKE @ 15' BTOC

SIGNATURE:



HORIBA MO15-05

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID W-5

SITE TYPE Monitor Well

SITE ACTIVITY START 1225 END 1313

JOB NUMBER 3031052006.09

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 2 IN

INITIAL DEPTH TO WATER 7.13 FT

WELL DEPTH 21.8 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 2 IN

FINAL DEPTH TO WATER 10.35 FT

SCREEN LENGTH 5 FT

PID WELL MOUTH — PPM

WELL INTEGRITY: CAP YES NO N/A
 LOCKED
 COLLAR

DRAWDOWN 3.22 FT

DRAWDOWN VOLUME 0.51 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.167 L/MIN

BEGIN PURGING 1233

END PURGING 1259

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	WL	
1236		6.78	1.35	48.7	2.68	16.9	34	clear	8.21	
1242	0.500	6.77	1.33	67.8	0.0	16.7	23		8.64	
1246	0.500	6.77	1.33	66.0	0.0	16.6	12		9.11	
1249	0.500	6.77	1.33	52.9	0.0	16.3	-6		9.51	
1252	0.500	6.77	1.33	85.1	0.0	16.2	-20		9.85	
1255	0.500	6.77	1.33	81.0	0.0	16.2	-29		10.09	
1257	0.250	6.77	1.33	98.1	0.0	16.2	-34		10.24	
1259	0.250	6.78	1.33	95.4	0.0	16.2	-37		10.35	
1305	collect sample and deep for VOCs									

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

effervescent well

NOTES

INTAKE @ 19' BTDC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID BR-01

SITE TYPE Monitor Well

SITE ACTIVITY START 1103 END 1133

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 27.5 IN

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 14.25 FT

WELL DEPTH 38.60 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 14.82 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.57 FT

DRAWDOWN VOLUME 0.37 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 0.250 L/MIN

BEGIN PURGING 1112

END PURGING 1123

TOTAL VOL. PURGED 0.39 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	0.1	3%	10%	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
		pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)				
1113		7.76	0.300	193	4.88	15.0	-117	clear, ylw
1115	0.500	9.28	0.210	167	0.70	15.0	-151	clear, ylw
1117	0.500	9.39	0.208	162	0.0	15.0	-176	clear, ylw
1119	0.500	9.47	0.204	137	0.0	15.1	-189	clear, ylw
1121	0.500	9.52	0.202	133	0.0	15.0	-199	clear, ylw
1123	0.500	9.48	0.200	128	0.0	15.1	-204	clear, ylw
1125	collect sample							

WL
14.46
14.51
14.58
14.66
14.73
14.82

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

1112 begin purge

NOTES

INTAKE @ 17' BTDC

SIGNATURE *[Signature]*

HORIBA MO15-11

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID BR-02

SITE TYPE Monitor Well

SITE ACTIVITY START 1137 END 1210

JOB NUMBER 3031052006.09

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 0.5 FT

INITIAL DEPTH TO WATER 22.71 FT

WELL DEPTH 42.75 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 23.13 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.42 FT

DRAWDOWN VOLUME 0.27 GAL

PRODUCT THICKNESS — FT

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

PURGE RATE 0.207 L/MIN

BEGIN PURGING 1144

END PURGING 1203

TOTAL VOL PURGED 0.98 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
1147		7.95	0.1620	152	2.90	15.0	-188	clear
1149	0.500	7.78	0.1619	1166	0.72	14.8	-194	
1152	0.500	7.80	0.1617	374	0.0	14.9	-196	
1154	0.500	7.78	0.1615	242	0.0	14.8	-197	
1156	0.500	7.78	0.1615	210	0.0	14.8	-196	
1159	0.500	7.75	0.1617	210	0.0	14.8	-196	
1201	0.500	7.78	0.1621	241	0.0	14.8	-195	
1203	0.500	7.79	0.1628	497	0.13	14.8	-195	
1205	collect sample							

WL
22.83
22.91
22.96
23.02
23.06
23.09
23.12
23.13

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

1144 begin purge
1205 collect sample
3 VOA 40mL Hcl
for VOC 8260

NOTES

INTAKE AT 25' BTOC
collect sample as Turbidity rising rapidly.

SIGNATURE: *[Signature]*

HORIBA MO15-11

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID BR-03

SITE TYPE Monitor Well

SITE ACTIVITY START 1515 END 1540

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 29 IN

PROTECTIVE CASING / WELL DIFFERENCE — FT

INITIAL DEPTH TO WATER 11.98 FT

WELL DEPTH 40.1 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 12.68 FT

SCREEN LENGTH — FT

PID WELL MOUTH — PPM

WELL INTEGRITY: CAP YES NO N/A
 — — —

DRAWDOWN 0.70 FT

DRAWDOWN VOLUME 0.45 GAL

PRODUCT THICKNESS — FT

WELL INTEGRITY: LOCKED YES NO N/A
 — — —

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

PURGE RATE 0.250 L/MIN

BEGIN PURGING 1520

END PURGING 1533

TOTAL VOL. PURGED 0.84 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
1522		8.39	0.761	7.8	3.28	16.7	-356	clear, w HRC
1525	0.500	8.57	0.765	8.6	0.04	16.7	-368	clear, w/HRC
1528	0.500	8.60	0.764	9.9	0.00	16.6	-368	clear, w/HRC
1530	0.500	8.61	0.762	12.6	0.00	16.6	-367	clear, w/HRC
1533	0.500	8.62	0.760	15.0	0.00	16.7	-368	clear
1535	collect	sample						

WL
 12.17
 12.32
 12.46
 12.59
 12.68

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

1535 collect sample as turb rising

NOTES

INTAKE @ 15' BTDC
 some odor and flecks of HRC

SIGNATURE: *[Signature]*

HORIBA M015-05

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID BR-04

SITE TYPE Monitor Well

SITE ACTIVITY START 0810 END 0851

JOB NUMBER 3031052006.09

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 0.25 FT

INITIAL DEPTH TO WATER 19.2 FT

WELL DEPTH 44.2 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 19.68 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.48 FT

DRAWDOWN VOLUME 0.31 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 0.250 L/MIN

BEGIN PURGING 0816

END PURGING 0843

TOTAL VOL. PURGED 1.75 GAL
 (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
0819		6.34	0.229	44.0	1.41	15.3	76	ylw. br
0821	0.500	6.75	0.217	32.3	0.12	15.4	37	
0824	0.500	7.20	0.202	24.4	0.0	15.6	-7	
0826	0.500	7.71	0.196	30.6	0.0	15.7	-53	
0828	0.500	8.25	0.192	18.9	0.0	15.7	-102	
0832	1.0	8.84	0.195	8.6	0.0	15.7	-194	
0836	1.0	9.01	0.200	5.4	0.0	15.6	-243	
0838	0.500	9.06	0.203	9.9	0.0	15.6	-260	
0840	0.500	9.09	0.207	1.0	0.0	15.6	-277	
0842	0.500	9.11	0.212	4.9	0.0	15.6	-287	
0843	0.500	9.12	0.212	3.7	0.0	15.6	-289	
0846	collect sample							

WL
 19.65
 19.66
 19.67
 19.67
 19.67
 19.67
 19.67
 19.67
 19.67
 19.67
 19.67
 19.67
 19.68

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

0846 collect (3) 40mL VOA vials for VOC 8260

NOTES

INTAKE @ 21.5' BTDC
 locking cap broken

SIGNATURE: *Angela Adams*

HORIBA MOIS-05

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID BR-05

SITE TYPE Monitor Well

SITE ACTIVITY START 0927 END 1018

JOB NUMBER 3031052C06.09

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 2" IN

INITIAL DEPTH TO WATER 19.76 FT

WELL DEPTH 50.15 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 20.02 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.26 FT

DRAWDOWN VOLUME 0.17 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 0.18 L/MIN

BEGIN PURGING 0932

END PURGING 1005

TOTAL VOL. PURGED 1.56 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	WL
0935		8.30	0.174	97.3	3.27	16.3	-17	lit. br	19.92
0938	0.500	8.53	0.150	77.1	0.05	16.3	-62		19.96
0941	0.500	8.71	0.143	67.9	0.0	16.3	-102		19.97
0943	0.500	8.79	0.140	63.5	0.0	16.3	-126		19.98
0946	0.500	8.85	0.140	40.6	0.0	16.3	-152		19.98
0948	0.500	8.92	0.139	38.4	0.0	16.3	-193		20.00
0953	1.0	8.98	0.139	35.0	0.0	16.3	-237		20.02
0955	0.500	9.00	0.139	20.2	0.0	16.3	-245		20.02
0958	0.500	9.03	0.139	23.4	0.0	16.2	-257		20.03
1000	0.500	9.06	0.140	10.7	0.0	16.2	-264		20.03
1003	0.500	9.08	0.139	17.9	0.0	16.2	-267		20.02
1005	0.500	9.09	0.139	11.7*	0.0	16.2	-270	↓	20.02

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

* turbidity between 7.7 and 15.4 all other parameters are stable

1007 collect BR05
 1008 collect BR05MS
 1010 collect BR05MSD

NOTES

INTAKE @ 22' BTDC

SIGNATURE *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID BR-07

SITE TYPE Monitor Well

SITE ACTIVITY START 1007 END 1057

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 28.5" IN

PROTECTIVE CASING / WELL DIFFERENCE 0 FT

INITIAL DEPTH TO WATER 23.92 FT

WELL DEPTH 53.3 FT

PID AMBIENT AIR - PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 23.93 FT

SCREEN LENGTH NA FT

PID WELL MOUTH - PPM

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

DRAWDOWN 0.01 FT

DRAWDOWN VOLUME 0.01 GAL

PRODUCT THICKNESS 0 FT

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

PURGE RATE 0.200 L/MIN

BEGIN PURGING 1022

END PURGING 1043

TOTAL VOL. PURGED 1.04 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
1025		6.67	3.03	3463	1.55	12.7	-241	clear, gn.
1026	0.500	7.04	2.97	3450	0	13.2	-267	clear, gn.
1029	0.500	7.30	3.01	3453	0	13.2	-275	clear, gn.
1031	0.500	7.48	3.01	3474	0	13.3	-283	clear, gn.
1034	0.500	7.64	3.02	3461	0	13.3	-289	clear, gn.
1036	0.500	7.75	3.03	352	0	13.2	-295	clear, gn.
1039	0.500	7.88	3.03	350	0	13.2	-301	clear, gn.
1041	0.500	7.93	3.03	349	0	13.3	-309	clear, gn.
1043	0.500	7.99	3.02	344	0	13.3	-316	

WL (F)
23.84
24.01
23.94
23.94
23.94
23.93

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

1022 begin purge
1047 collect (3) 40mL VOA Vials

NOTES

INTAKE @ 27' BTDC
no decimal in Turb reading

SIGNATURE:

Angela Aden

HORIBA MOIS-11

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID BR-08

SITE TYPE Monitor Well

SITE ACTIVITY START 0810 END 0852

JOB NUMBER 3031052006.09

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 0.33 FT

INITIAL DEPTH TO WATER 19.86 FT

WELL DEPTH 74.55 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 4 IN

FINAL DEPTH TO WATER 21.36 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 1.50 FT

DRAWDOWN VOLUME 0.97 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 0.210 L/MIN

BEGIN PURGING 0822

END PURGING 0844

TOTAL VOL. PURGED 1.2 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
0823	0.1	6.30	1.08	423	4.52	14.6	-190	or. br. mild odor
0826	0.500	7.19	1.06	377	0.3	14.9	-236	or. br. mild odor
0829	0.500	8.07	1.04	345	0.0	15.1	-239	
0831	0.500	8.64	1.03	327	0.0	15.3	-242	
0834	0.500	9.01	1.03	340	0.0	15.3	-243	
0838	0.500	9.34	1.02	331	0.0	15.3	-243	
0841	0.500	9.51	1.02	317	0.0	15.3	-242	
0842	0.250	9.57	1.02	310	0.0	15.4	-243	
0844	0.250	9.64	1.01	323	0.0	15.4	-242	
0846	collect sample							

WL
 20.11
 20.24
 20.44
 20.62
 20.80
 21.00
 21.16
 21.24
 21.36

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

0822 begin purge
 initial purge orange brown and somewhat difficult to start.
 0846 collect (3) 40ml vials for VOCs 8260

NOTES

INTAKE @ 23' BTDC

SIGNATURE *Coyler*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID BR-09

SITE TYPE Monitor Well

SITE ACTIVITY START 1054 END 1130

JOB NUMBER 3031052006.09

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 0.25 FT

INITIAL DEPTH TO WATER 19.64 FT

WELL DEPTH 47.0 FT

PID AMBIENT AIR PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 19.67 FT

SCREEN LENGTH NA FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.03 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 0.174 L/MIN

BEGIN PURGING 1100

END PURGING 1122

TOTAL VOL. PURGED 0.97 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	W/L
1102		7.99	0.356	23.5	3.31	16.1	-288	gr. clear	19.63
1105	0.500	8.03	0.361	24.9	0.0	16.0	-309		19.67
1108	0.500	8.07	0.359	22.3	0.0	15.9	-334		19.65
1111	0.500	8.15	0.356	24.7	0.0	15.9	-347		19.67
1113	0.500	8.26	0.354	25.6	0.0	15.8	-357		19.68
1116	0.500	8.40	0.359	24.3	0.0	15.9	-356		19.67
1119	0.500	8.50	0.364	25.9	0.0	15.8	-357		19.68
1121	0.250	8.56	0.364	24.4	0.0	15.8	-359		19.68
1122	0.250	8.60	0.367	22.7	0.0	15.8	-358		19.67
1125	collect		Sample						

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

1125 collect (3) 40ml VOA vials for VOCs 8260

SIGNATURE: *[Signature]*

NOTES

INTAKE @ 22' BTDC

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE: 10/29/09

SITE ID: BR-11

SITE TYPE: Monitor Well

SITE ACTIVITY: START 0853 END 0930

JOB NUMBER: 3031052006.09

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: 0.33 FT

INITIAL DEPTH TO WATER: 19.49 FT

WELL DEPTH: 52.0 FT

PID AMBIENT AIR: _____ PPM

WELL DIAMETER: 6 IN

FINAL DEPTH TO WATER: 19.51 FT

SCREEN LENGTH: _____ FT

PID WELL MOUTH: _____ PPM

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

DRAWDOWN: 0.02 FT

DRAWDOWN VOLUME: 0.03 GAL

PRODUCT THICKNESS: _____ FT

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

PURGE RATE: 0.21 L/MIN

BEGIN PURGING: 0902

END PURGING: 0920

TOTAL VOL. PURGED: 1.0 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	WL
0903		8.99	0.128	62.7	5.02	15.8	-232		19.47
0905	0.500	8.81	0.129	41.0	0.43	15.9	-267		19.48
0907	0.500	8.74	0.127	33.0	0.0	15.9	-280		19.51
0910	0.500	8.69	0.124	24.8	0.0	15.9	-294		19.50
0912	0.500	8.65	0.122	23.3	0.0	15.9	-305		19.49
0914	0.500	8.65	0.121	19.4	0.0	16.0	-306		19.51
0917	0.500	8.64	0.121	15.3	0.0	16.0	-314		19.49
0919	0.500	8.64	0.121	16.7	0.0	16.0	-315		19.50
0920	0.250	8.64	0.121	14.5	0.0	16.0	-318		19.51
0924	collect samples								

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

0924 collect (3) 40 ml
VOA vials for VOC 8260
collect (3) 40 ml as
dup

NOTES

INTAKE @ 21.5' BTOC

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID 132-10

SITE TYPE Monitor Well

SITE ACTIVITY START 1305 END 1358

JOB NUMBER 3031052006.09

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 0.33 FT

INITIAL DEPTH TO WATER 19.20 FT

WELL DEPTH 47.0 FT

PID AMBIENT AIR PPM

WELL DIAMETER 6" IN

FINAL DEPTH TO WATER 19.23 FT

SCREEN LENGTH NA FT

PID WELL MOUTH PPM

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

DRAWDOWN 0.03 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 0.230 L/MIN

BEGIN PURGING 1310

END PURGING 1349

TOTAL VOL. PURGED 2.03 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	WL
1316		7.01	0.062	214.0	4.17	15.5	12	Or. br.	19.21
1318	0.500	7.43	0.063	160.0	0.0	15.5	-79		19.22
1321	0.500	7.86	0.063	120.0	0.0	15.4	-1105		19.23
1323	0.500	8.17	0.065	103.0	0.0	15.4	-208		19.23
1325	0.500	8.42	0.067	217.0	0.0	15.5	-233		19.30 ^A
1328	0.500	8.63	0.066	287.0	0.0	15.4	-247		19.23
1332	1.0	8.96	0.068	320.0	0.0	15.4	-268		19.22
1334	0.500	9.05	0.069	260.0	0.0	15.4	-276		19.23
1336	0.500	9.16	0.071	252.0	0.0	15.4	-282		19.24
1338	0.250	9.21	0.071	213.0	0.0	15.4	-286		19.23
1339	0.250	9.25	0.072	182.0	0.0	15.4	-288		19.23
1343	1.0	9.35	0.074	117.0	0.0	15.4	-297		19.23
1347	0.75	9.40	0.077	111.0	0.0	15.4	-302		19.23
1349	0.50	9.44	0.077	108.0	0.0	15.4	-305	✓	19.23

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

1315 restarted purge after flow through cell leaked

1352 collect 3(40mL) VOA vials for VOCs 8260

NOTES

INTAKE @ 21.5' BTDC

SIGNATURE: *Amber Ad*

HORIBA M015-11

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID BR-15

SITE TYPE Monitor Well

SITE ACTIVITY START 1442 END 1531

JOB NUMBER 3031052006.09

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 0.25 FT

INITIAL DEPTH TO WATER 17.52 FT

WELL DEPTH 72.0 FT

PID AMBIENT AIR — PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 18.36 FT

SCREEN LENGTH NA FT

PID WELL MOUTH — PPM

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

DRAWDOWN 0.84 FT

DRAWDOWN VOLUME 1.26 GAL

PRODUCT THICKNESS — FT

((initial - final) x 0.16 (2-inch) or x 0.65 (4-inch) or x 1.5 (8-inch))

PURGE RATE 0.170 L/MIN

BEGIN PURGING —

END PURGING 1526

TOTAL VOL PURGED 1.56 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	WL
	MISSED		INITIAL	FLOW CELL	READING				
1449	0.500	11.29	0.330	320	0	16.5	-54	clear	17.64
1452	0.500	11.35	0.336	296	0	16.5	-66		17.72
1455	0.500	11.39	0.339	264	0	16.4	-75		17.80
1458	0.500	11.42	0.339	202	0	16.5	-80		17.88
1504	1.0	11.38	0.339	113	0	16.6	-87		18.01
1510	1.0	11.42	0.339	69	0	16.5	-90		18.13
1517	1.0	11.44	0.336	64.5	0	16.5	-91		18.25
1520	0.500	11.44	0.334	67.9	0	16.5	-91		18.31
1523	0.500	11.45	0.332	71.6	0	16.5	-90		18.36
1526	collect samples								

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

INTAKE @ 20' BTDC

SIGNATURE: *[Signature]*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former: Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/19/09

SITE ID BR-17

SITE TYPE Monitor Well

SITE ACTIVITY START 1547 END 1635

JOB NUMBER 3031052006.09

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 -5" IN

INITIAL DEPTH TO WATER 20.06 FT

WELL DEPTH 62.2 FT

PID AMBIENT AIR - PPM

WELL DIAMETER 6 IN

FINAL DEPTH TO WATER 20.04 FT

SCREEN LENGTH NA FT

PID WELL MOUTH - PPM

WELL INTEGRITY. CAP YES NO N/A

DRAWDOWN 0.02 FT

DRAWDOWN VOLUME 0.03 GAL

PRODUCT THICKNESS - FT

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

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

PURGE RATE 0.220 L/MIN

BEGIN PURGING 1559

END PURGING 1627

TOTAL VOL. PURGED 1.82 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	WL
1600		8.47	0.158	78.6	3.72	16.0	-297	op. ylw w/ H2O2	20.02
1603	0.500	8.36	0.155	41.4	0.14	16.0	-306		20.04
1605	0.500	8.34	0.153	40.4	0.0	16.0	-310		20.04
1608	0.500	8.33	0.153	31.8	0.16	15.9	-313		20.04
1610	0.500	8.33	0.155	58.7	0.25	16.0	-315		20.03
1613	0.500	8.32	0.162	24.5	0.18	15.9	-315		20.04
1616	0.500	8.30	0.165	40.2	0.09	15.9	-311		20.04
1618	0.500	8.27	0.172	19.4	0.03	15.8	-310		20.03
1620	0.500	8.26	0.176	18.2	0.00	15.9	-308		20.04
1623	0.500	8.23	0.184	22.1	0.00	15.9	-307		20.04
1624	0.220	8.23	0.187	18.4	0.00	15.8	-305		20.04
1625	0.280	8.22	0.190	23.3	0.00	15.8	-305		20.04
1626	0.250	8.22	0.193	22.6	0.00	15.7	-305		20.04
1627	0.250	8.21	0.195	20.1	0.00	15.8	-304		20.04

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

1559 begin purge initial slug < 0.25L very thick w/ particulates

1630 collect (3) 40ml VOA vials for VOLS 8260

NOTES

INTAKE @ 22' BTDC

SIGNATURE

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID QAFB01

SITE TYPE Monitor Well

SITE ACTIVITY START 1649 END 1652

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

WELL INTEGRITY: CAP YES NO N/A

DRAWDOWN _____ FT

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))

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

TOTAL VOL. PURGED _____ GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1652	collect							QAFB01 for VOCs

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

SIGNATURE: *Christy Wolf*

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/21/09

SITE ID QAFB-02

SITE TYPE Monitor Well

SITE ACTIVITY START 1421 END 1423

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

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

PURGE DATA

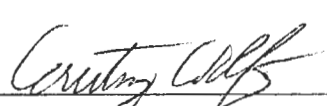
Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1423	sample collected QAFB-02 for VOCs							

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

SIGNATURE: 

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE 10/20/09

SITE ID QARB-01

SITE TYPE Monitor Well

SITE ACTIVITY START 1645 END 1648

JOB NUMBER 3031052006.09

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT

- TOP OF WELL RISER
- TOP OF PROTECTIVE CASING
- OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

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

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

TOTAL VOL. PURGED _____ GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1648	collect							QARB-01 for VOCs

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

off rebar

NOTES

SIGNATURE: County Wolf

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments
2009 2nd Semi-Annual Sampling Event

DATE: 10/20/09

SITE ID: QARB-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 16:40 END 1643

JOB NUMBER: 3031052006.09

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT

PROTECTIVE CASING / WELL DIFFERENCE _____ FT

INITIAL DEPTH TO WATER _____ FT

WELL DEPTH _____ FT

PID AMBIENT AIR _____ PPM

WELL DIAMETER _____ IN

FINAL DEPTH TO WATER _____ FT

SCREEN LENGTH _____ FT

PID WELL MOUTH _____ PPM

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

DRAWDOWN _____ FT

DRAWDOWN VOLUME _____ GAL

PRODUCT THICKNESS _____ FT

((initial - final) x 0.15 (2-inch) or x 0.65 (4-inch) or x 1.5 (6-inch))

PURGE RATE _____ L/MIN

BEGIN PURGING _____

END PURGING _____

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O ₂ (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1643	collect sample							QARB-02 for VOCs

EQUIPMENT DOCUMENTATION

- | | | | |
|--|---|---|--|
| <p><u>TYPE OF PUMP</u></p> <input checked="" type="checkbox"/> PERISTALTIC
<input type="checkbox"/> SUBMERSIBLE
<input type="checkbox"/> OTHER _____ | <p><u>TYPE OF TUBING</u></p> <input type="checkbox"/> TEFLON OR TEFLON LINED
<input checked="" type="checkbox"/> HIGH DENSITY POLYETHYLENE
<input type="checkbox"/> OTHER _____ | <p><u>TYPE OF PUMP MATERIAL</u></p> <input type="checkbox"/> POLYVINYL CHLORIDE
<input type="checkbox"/> STAINLESS STEEL
<input type="checkbox"/> OTHER _____ | <p><u>TYPE OF BLADDER MATERIAL (if applicable)</u></p> <input type="checkbox"/> TEFLON
<input type="checkbox"/> OTHER _____ |
|--|---|---|--|

PURGE OBSERVATIONS

From tubing

NOTES

SIGNATURE: *Christy Wolf*

APPENDIX G

WELL CONSTRUCTION INFORMATION

**Appendix G
Well Construction Information**

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Screen Interval		Survey Coordinates			Well Material	Completion		
						Top	Bottom	Easting	Northing	Elevation		Riser/Screen	Flush-mount	Vault
BR-01	09/02/97	Monitor	Perimeter	42.2	42.2	NA	NA	750364.06	1150086.89	531.92	Stainless / Open	X		
BR-02	09/02/97	Monitor	Perimeter	44.0	44.0	NA	NA	750541.81	1149964.51	532.39	Stainless / Open	X		
BR-03	09/02/97	Monitor	Perimeter	40.1	40.1	NA	NA	750552.93	1149641.68	536.32	Stainless / Open			X
BR-04	09/03/97	Monitor	South Source	44.2	44.2	NA	NA	750322.96	1149422.13	532.68	Stainless / Open	X		
BR-05	09/03/97	Monitor	North Source	49.9	49.9	NA	NA	750216.62	1149958.67	531.76	Stainless / Open	X		
BR-06	09/03/97	Monitor	Background	42.6	42.6	NA	NA	749939.91	1149145.54	539.10	Stainless / Open	X		
BR-07	09/03/97	Monitor	Upgradient	53.3	53.3	NA	NA	749983.50	1149989.76	534.46	Stainless / Open			X
BR-08	07/28/00	Monitor	South Plume (Deep)	73.0	73.0	NA	NA	750340.94	1149482.41	533.13	Iron / Open	X		
BR-09	07/28/00	Monitor	South Source	47.0	47.0	NA	NA	750400.72	1149438.67	532.72	Iron / Open	X		
BR-10	07/28/00	Monitor	South Source	47.0	47.0	NA	NA	750426.90	1149411.76	532.29	Iron / Open	X		
BR-11	07/28/00	Monitor	South Source	52.0	52.0	NA	NA	750387.82	1149546.25	532.53	Iron / Open	X		
BR-12	07/28/00	Monitor	North Source	42.0	42.0	NA	NA	750195.19	1150010.12	531.90	Iron / Open	X		
BR-13	07/28/00	Monitor	Perimeter	67.5	67.5	NA	NA	750197.49	1150044.27	532.01	Iron / Open	X		
BR-14	07/28/00	Monitor	North Plume (Deep)	75.3	75.3	NA	NA	750260.61	1150052.20	531.67	Iron / Open	X		
BR-15	07/26/00	Monitor	North Source	72.0	72.0	NA	NA	750293.39	1149980.43	531.69	Iron / Open	X		
BR-16	07/26/00	Monitor	North Source	55.0	55.0	NA	NA	750223.79	1150013.71	531.32	Iron / Open	X		
BR-17	07/28/00	Monitor	South Source	52.0	52.0	NA	NA	750333.76	1149478.26	533.16	Iron / Open	X		
EW-N-1	08/15/00	Extraction	North Area	27.0	27.0	5.2	26.0	750198.77	1149956.96	529.28	Stainless / PVC		X	
EW-N-2	08/23/00	Extraction	North Area	27.0	27.0	5.5	26.0	750225.81	1149942.16	528.76	Stainless / PVC		X	
EW-N-3	08/22/00	Extraction	North Area	26.8	26.8	5.2	25.8	750217.16	1149980.06	528.69	Stainless / PVC		X	
EW-N-4	08/23/00	Extraction	North Area	26.0	26.0	7.2	25.0	750259.43	1149928.84	529.32	Stainless / PVC		X	
EW-N-5	08/16/00	Extraction	North Area	27.0	27.0	5.5	26.0	750257.98	1149972.33	528.26	Stainless / PVC		X	
EW-N-6	08/18/00	Extraction	North Area	25.5	25.0	6.1	24.0	750293.49	1149957.98	529.18	Stainless / PVC		X	
EW-S-1S	10/01/98	Extraction	South Area	14.0	13.7	4.3	13.7	750332.80	1149428.08	529.41	Stainless		X	
EW-S-1D	10/01/98	Extraction	South Area	18.3	18.3	4.3	17.9	750327.22	1149428.49	529.41	Stainless		X	
EW-S-2	07/26/00	Extraction	South Area	23.1	22.0	5.5	21.0	750256.26	1149404.38	528.68	Stainless / PVC		X	
EW-S-3	07/28/00	Extraction	South Area	23.5	22.0	5.5	21.0	750301.18	1149370.46	529.55	Stainless / PVC		X	
EW-S-4	07/26/00	Extraction	South Area	23.5	22.0	5.5	21.0	750293.94	1149418.71	532.41	Stainless / PVC		X	
EW-S-5	08/01/00	Extraction	South Area	23.5	22.5	5.8	21.5	750325.14	1149386.52	529.53	Stainless / PVC		X	
EW-S-6	07/31/00	Extraction	South Area	22.9	22.4	5.9	20.9	750341.87	1149362.58	529.27	Stainless / PVC		X	
EW-S-7	08/07/00	Extraction	South Area	23.1	22.5	5.9	21.6	750339.03	1149413.8	529.59	Stainless / PVC		X	
EW-S-8	08/02/00	Extraction	South Area	23.0	22.5	5.8	21.5	750359.86	1149402.69	529.65	Stainless / PVC		X	
EW-S-9	08/03/00	Extraction	South Area	23.0	22.5	6.0	21.5	750355.07	1149440.13	532.99	Stainless / PVC		X	

Appendix G
Well Construction Information

2009 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Screen Interval		Survey Coordinates			Well Material	Completion		
						Top	Bottom	Easting	Northing	Elevation		Riser/Screen	Flush-mount	Vault
EW-S-10	08/09/00	Extraction	South Area	22.6	22.5	6.0	21.5	750381.30	1149367.65	529.43	Stainless / PVC		X	
EW-S-11	08/08/00	Extraction	South Area	22.6	22.5	5.9	22.0	750377.04	1149418.02	529.50	Stainless / PVC		X	
EW-S-12	08/04/00	Extraction	South Area	22.3	22.3	5.8	21.3	750375.38	1149466.45	529.96	Stainless / PVC		X	
EW-S-13	08/10/00	Extraction	South Area	22.0	22.0	6.0	21.0	750399.16	1149448.68	529.53	Stainless / PVC		X	
EW-S-14	08/11/00	Extraction	South Area	22.0	22.0	5.6	21.0	750406.59	1149410.24	529.37	Stainless / PVC		X	
EW-S-15	08/14/00	Extraction	South Area	22.0	21.8	5.2	20.8	750414.78	1149480.34	529.96	Stainless / PVC		X	
EW-S-16	08/10/00	Extraction	South Area	21.3	21.3	5.2	20.3	750433.72	1149448.95	529.57	Stainless / PVC		X	
BREW-S-1	08/03/00	Extraction	South Area	61.8	61.8	26.6	56.4	750368.27	1149458.11	533.67	Stainless / PVC		X	
BREW-N-1	08/17/00	Extraction	North Area	75.8	75.8	25.8	70.3	750253.53	1150013.88	531.68	Stainless / PVC		X	
OB-04	09/05/97	Monitor	South Source	17.5	17.5	2.5	17.5	750329.65	1149422.19	532.80	PVC	X		
OB-05	09/05/97	Monitor	North Source	18.0	18.0	4.0	18.0	750223.51	1149958.83	531.50	PVC	X		
OB-06	07/19/00	Monitor	South Source	17.0	17.0	6.8	16.8	750421.89	1149461.50	532.60	PVC	X		
OB-07	07/19/00	Monitor	South Plume	20.5	20.5	10.2	20.2	750461.13	1149512.60	533.03	PVC	X		
OB-08	07/28/00	Monitor	North Source	25.5	25.3	15.3	25.1	750279.00	1149957.45	531.64	PVC	X		
OB-09	07/28/00	Monitor	North Plume	23.5	23.3	13.3	23.1	750312.26	1149992.94	531.85	PVC	X		
TW-01	03/12/96	Monitor	Perimeter	22.0	22.0	17.0	22.0	750548.13	1149471.23	533.30	PVC	X		
TW-04	03/15/96	Monitor	Perimeter	17.5	17.3	12.3	17.3	750552.18	1149648.54	536.34	PVC			X
TW-07	03/15/96	Monitor	Perimeter	17.5	17.5	12.5	17.5	750546.69	1149830.01	532.55	PVC	X		
TW-09	03/30/96	Monitor	Perimeter	16.0	16.0	11.0	16.0	750542.22	1149971.84	532.30	PVC	X		
TW-13	03/12/96	Monitor	Upgradient	15.0	15.0	10.0	15.0	750086.24	1150016.03	531.69	PVC	X		
TW-17	03/13/96	Monitor	Perimeter	15.0	15.0	10.0	15.0	750373.39	1150088.34	531.86	PVC			X
TW-20	03/13/96	Monitor	Perimeter	15.0	15.0	10.0	15.0	750547.88	1150118.75	532.42	PVC			X
TW-74	04/09/96	Monitor	Mid-Plume	15.0	15.0	7.5	15.0	750407.92	1149841.78	531.96	PVC	X		
W-1	09/16/82	Monitor	Perimeter	14.0	14.0	7.0	13.9	750490.21	1149147.95	534.10	PVC			X
W-2	09/15/82	Monitor	Background	21.0	18.0	13.0	18.0	749940.43	1149136.77	539.10	PVC			X
W-3	09/16/82	Monitor	Upgradient	24.0	17.0	16.0	21.0	750168.37	1149794.82	533.00	PVC	X		
W-4	09/22/82	Monitor	Upgradient	29.0	26.0	21.0	26.0	749977.63	1149996.42	533.12	PVC			X
W-5	09/15/82	Monitor	Perimeter	24.0	20.5	15.5	20.5	750248.88	1150056.27	531.52	PVC	X		
W-6	09/15/82	Monitor	Upgradient	16.5	15.0	13.0	15.0	750288.78	1149332.79	532.66	PVC	X		

Prepared by/Date: JES 2/20/09
Checked by/Date: KJD 2/25/09

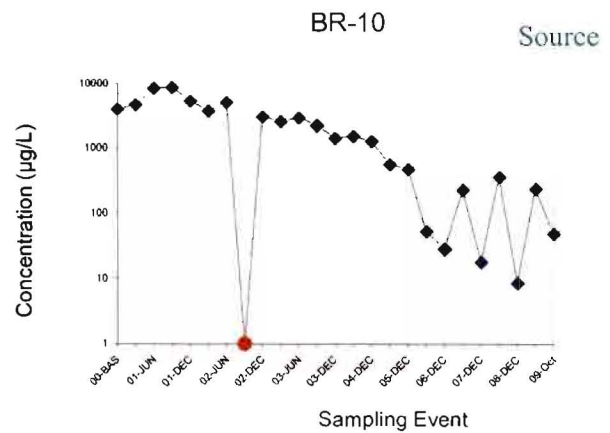
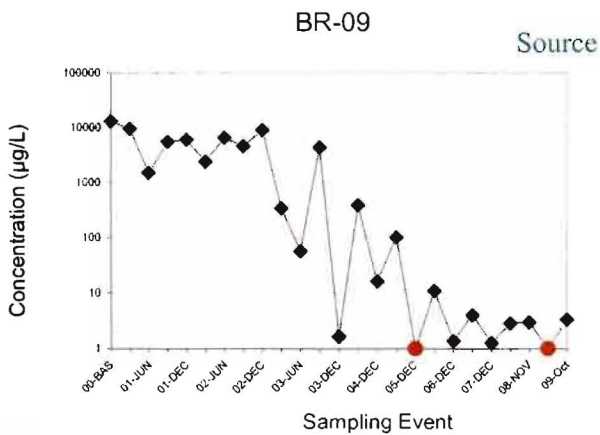
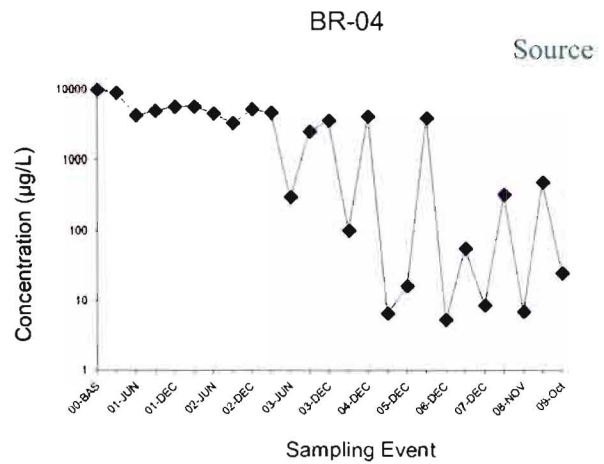
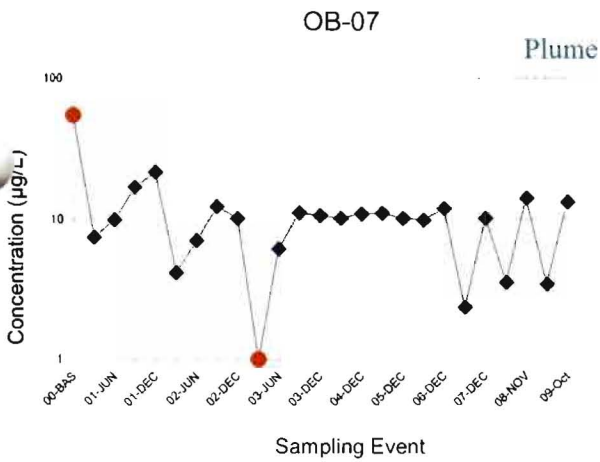
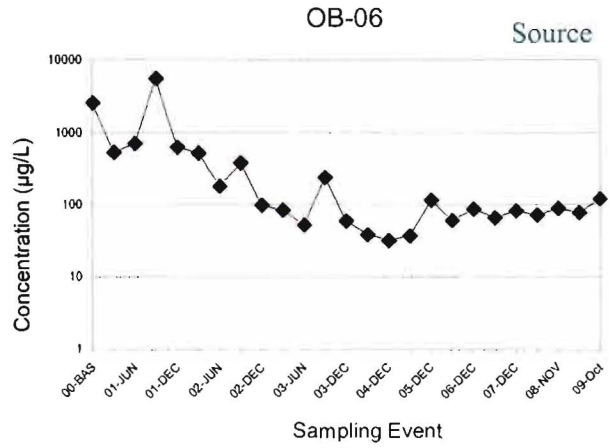
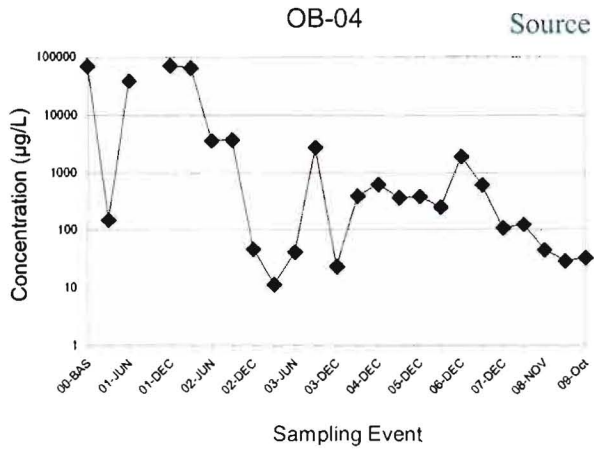
APPENDIX H

MONITOR WELL CONCENTRATION TREND GRAPHS

Appendix H

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

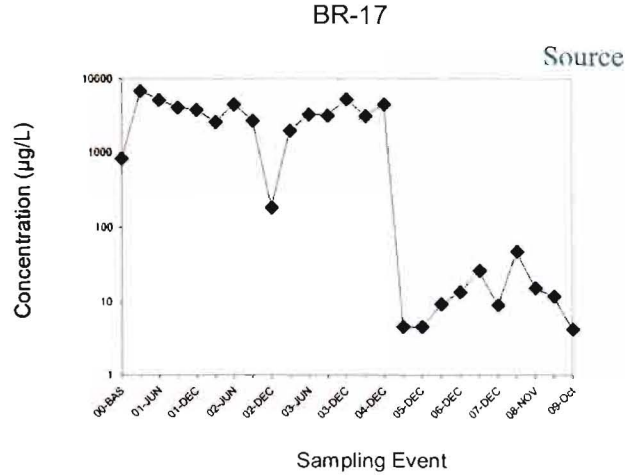
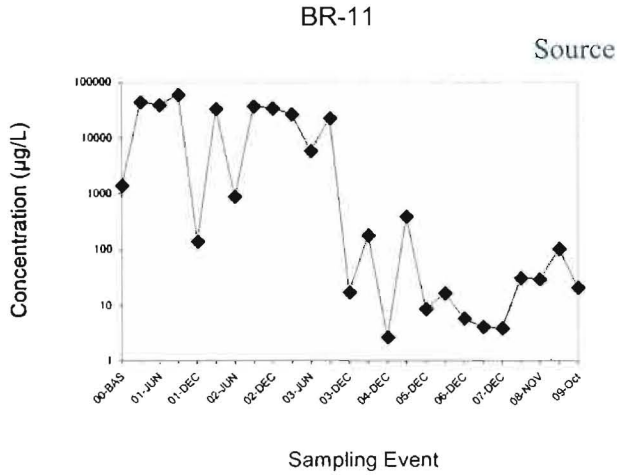
South TCE Area



◆ = actual value
● = value below detection limit (as plotted)

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

South TCE Area

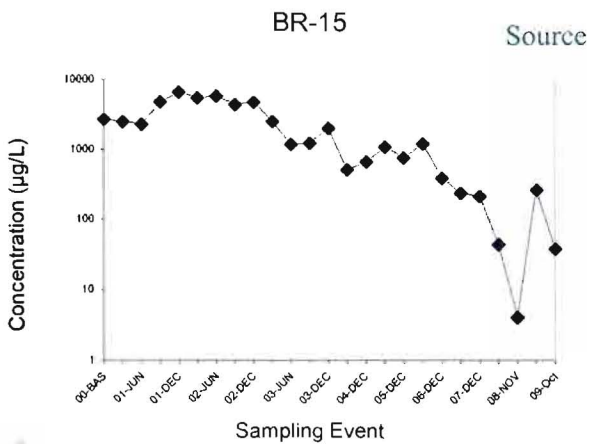
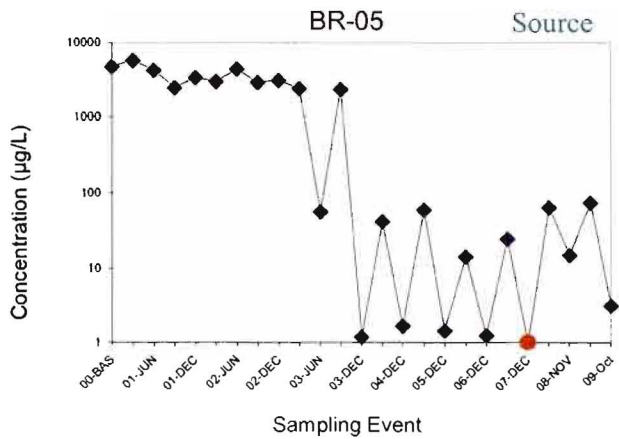
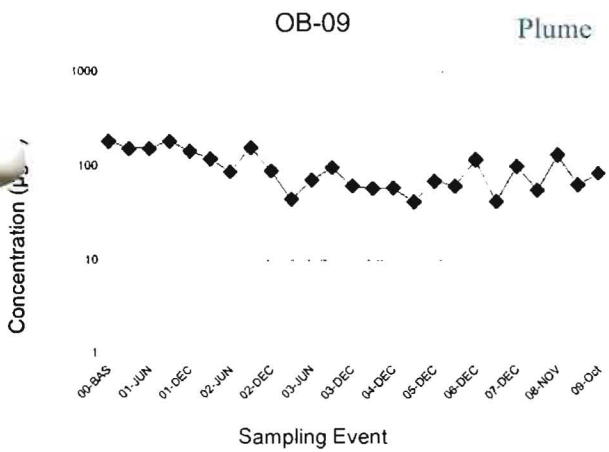
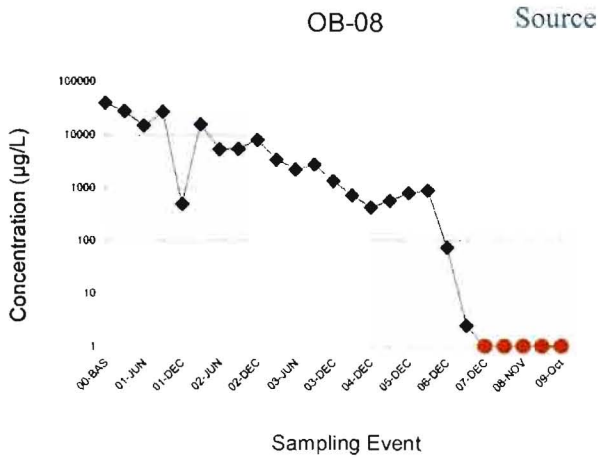
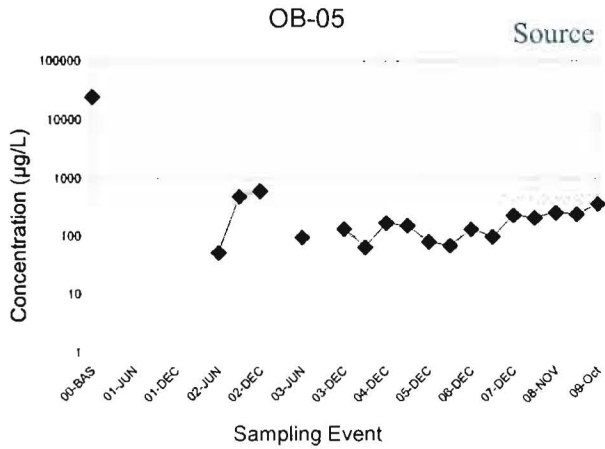


◆ = actual value
● = value below detection limit (as plotted)

Appendix H

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

North TCE Area

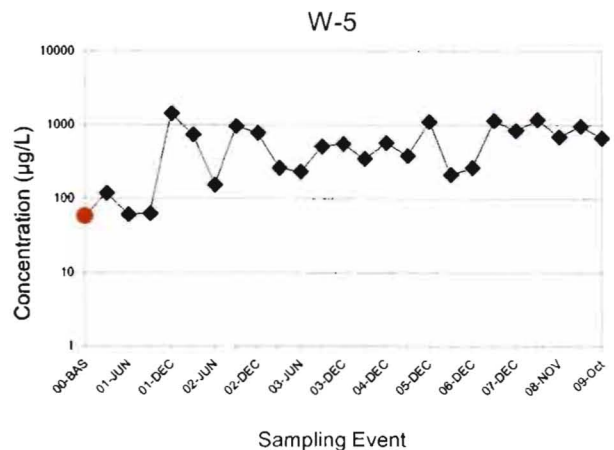
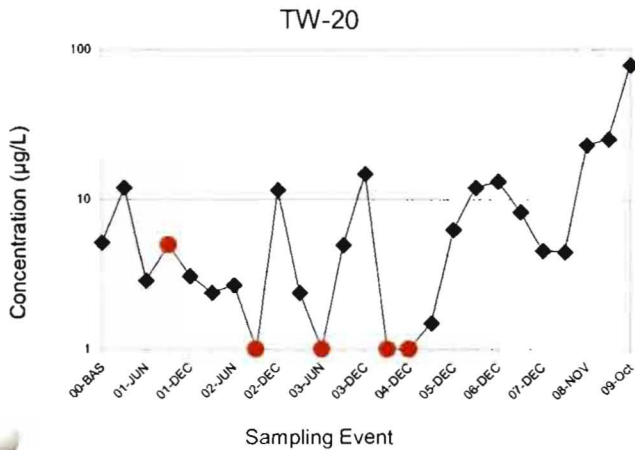
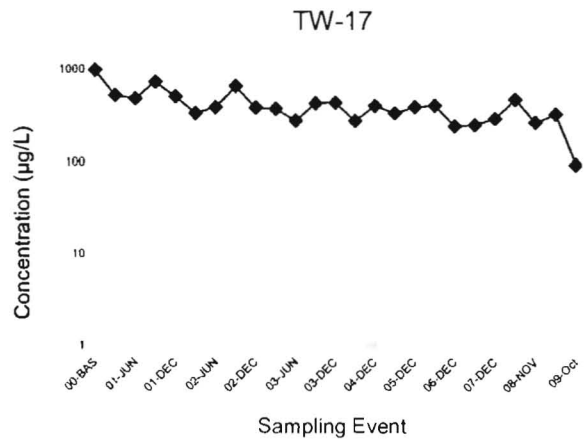
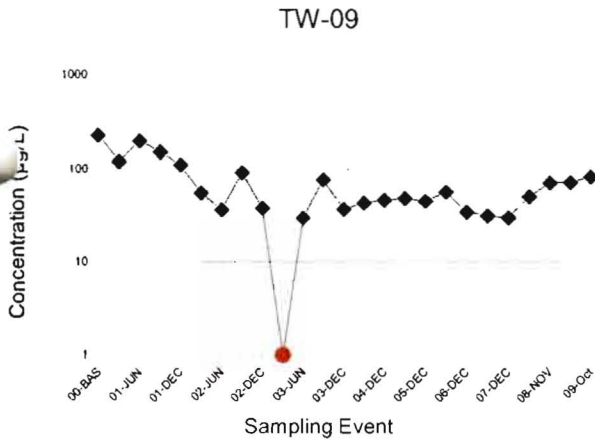
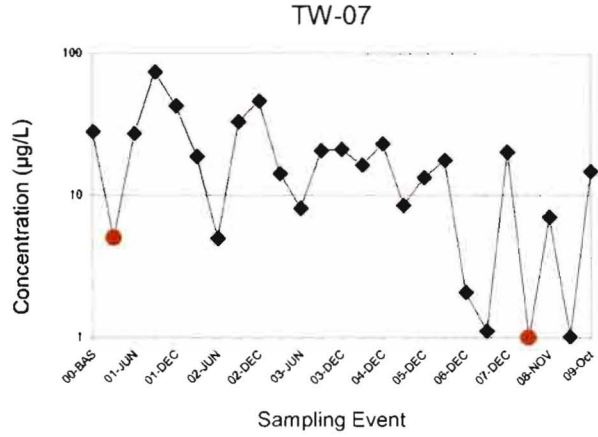
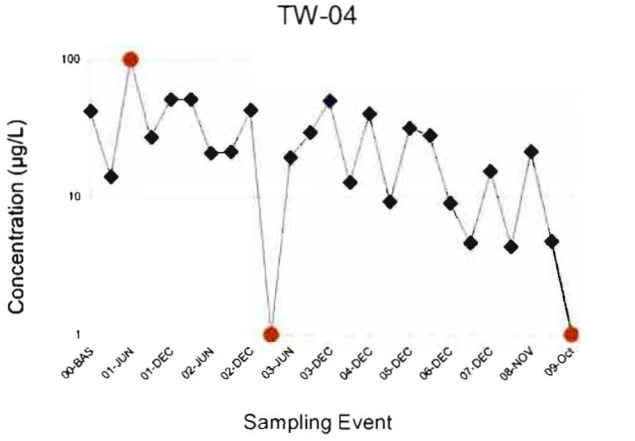


- ◆ = actual value
- = value below detection limit (as plotted)

Appendix H

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Perimeter Downgradient Area

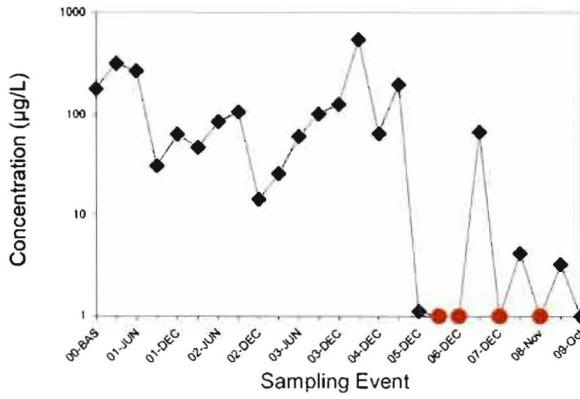


◆ = actual value
● = value below detection limit (as plotted)

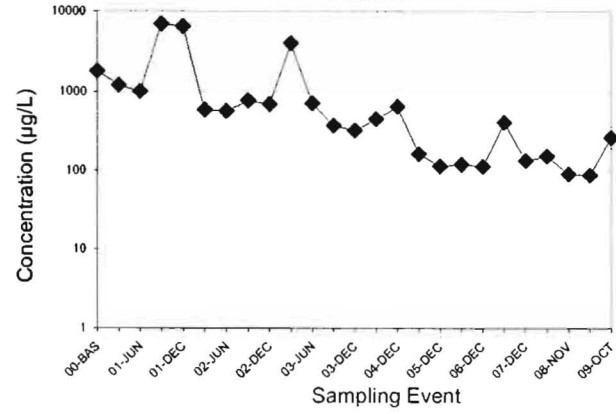
Appendix H Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Perimeter Downgradient Area

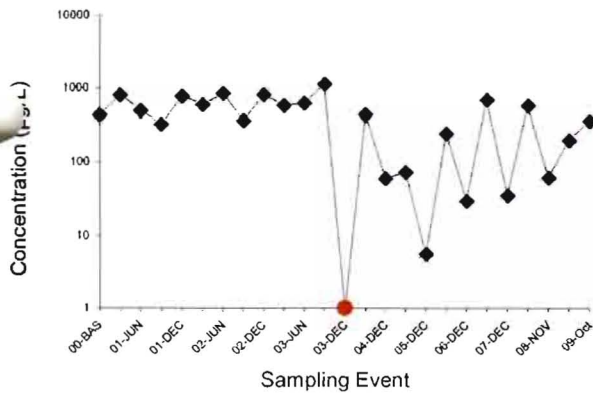
BR-01



BR-02



BR-03

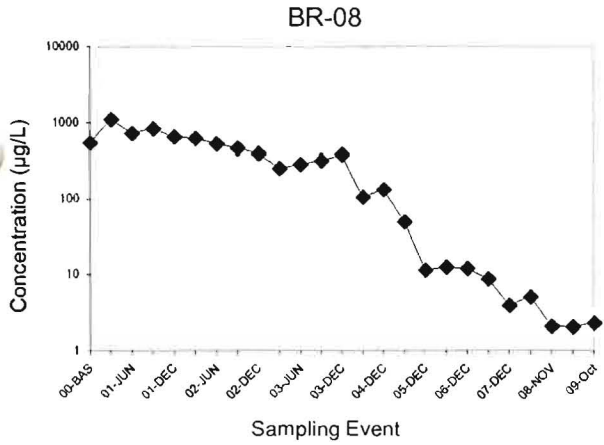
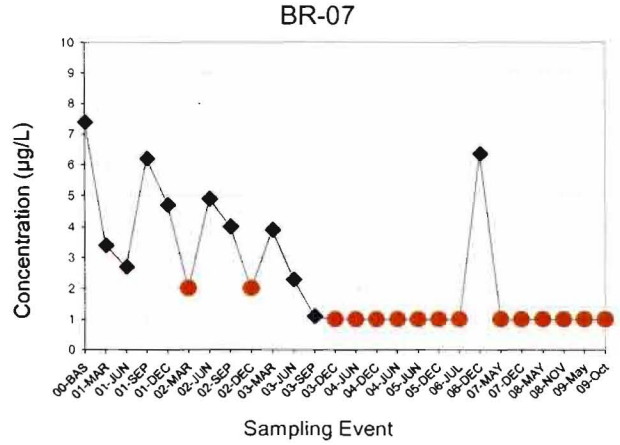
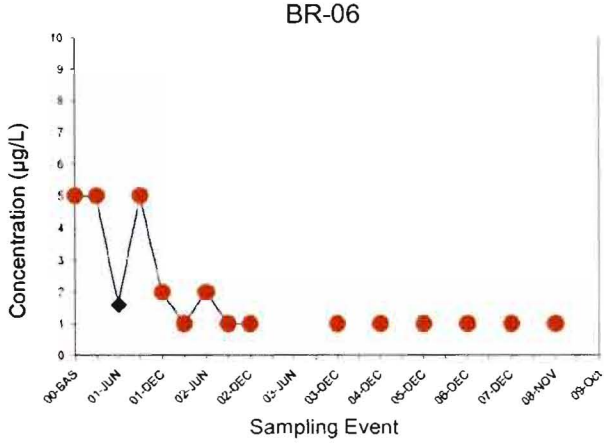


◆ = actual value
● = value below detection limit (as plotted)

Appendix H

Monitor Well Concentration Trend Graphs (TCE Concentration Trends)

Upgradient Area



◆ = actual value
● = value below detection limit (as plotted)