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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: **2010 Annual Progress Report and Remedial Progress Evaluation**
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 one hard copy and one electronic copy of the 2010 Annual Progress Report and Remedial Progress Evaluation. The Period Review Report is included as an appendix.

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

Sincerely,

MACTEC Engineering and Consulting, Inc.

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[1043]

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2010 ANNUAL PROGRESS REPORT AND REMEDIAL PROGRESS EVALUATION

FORMER TAYLOR INSTRUMENTS SITE
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ROCHESTER, NEW YORK

PREPARED FOR:

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MACTEC PROJECT 3031052006

March 2011

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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
3DME®	3-D Microemulsion®
CCR	Construction Completion Report
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
EPA	Environmental Protection Agency
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
OM&M	operations, maintenance, and monitoring
PARCC	precision, accuracy, representativeness, completeness, and comparability
PCE	tetrachloroethene
QC	quality control
RPD	relative percent difference
SSD	sub-slab depressurization
SSIA	sub-slab vapor and indoor air
SVI	soil vapor investigation
TCE	trichloroethene
TOC	total organic carbon
VFA	volatile fatty acid
VOC	volatile organic compound

1.0 INTRODUCTION

This annual progress report summarizes the remedial activities and results for 2010, as well as results from a site wide groundwater sampling event conducted in May 2010. These activities occurred at the former Taylor Instruments Site – New York State Department of Environmental Conservation (NYSDEC) Site #828028a located at 95 Ames Street in Rochester, New York (Figure 1 in Appendix A), pursuant to a Voluntary Cleanup Agreement (NYSDEC, 1997). 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 accelerated 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 previous remedial activities as implemented, which included the operation and maintenance of a groundwater remedial treatment system, and determined that no further investigation or response would be required at the site to render it safe for contemplated uses.

The remedial activities performed in 2010 are summarized in this report and include decommissioning of the remedial treatment system and selected monitoring wells, implementing an expanded accelerated bioremediation application, performing a sub-slab vapor and indoor air investigation at off-site residences, installing a vapor mitigation system at an off-site residential duplex, and abandoning soil vapor points. Complete details of these additional activities were presented in the *Construction Completion Report* (CCR) (MACTEC Engineering and Consulting, Inc. [MACTEC], 2010a) which was submitted to the NYSDEC in December 2010. Details of the Site investigative and remedial history, including the aforementioned 2010 activities, are also presented in the *Periodic Review Report*, which is provided in Appendix B of this report as requested from NYSDEC (NYSDEC, 2010a).

A site wide semi-annual groundwater sampling event was conducted in May 2010. A second semi-annual event originally planned for November was deferred until 2011 to allow for equilibration of subsurface conditions following an expanded accelerated bioremediation application that was completed in October 2010. This report includes a summary of the sampling event results for the baseline event, as well as events from 2001-2010.

The remedial activities performed in 2010 were detailed in two work plans which were approved by NYSDEC; the *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System for the Former Taylor Instruments Site* (hereinafter referred to as the Revised Work Plan) (MACTEC, 2010b), and the *Vapor Mitigation Measure Work Plan* (MACTEC, 2010c). The proposed activities in the Revised Work Plan included:

- decommissioning the existing remedial treatment system and selected monitoring wells;
- an expanded application of accelerated bioremediation using Hydrogen Release Compound Advanced® (now known as 3-D Microemulsion [3DMe®], a Regenesis product) in designated areas; and
- post-closure monitoring and report preparation schedules.

Following decommissioning of the remedial treatment system and selected monitoring wells in August 2010, 14 monitoring wells remain on the Site, as shown in Figure 1 (Appendix A). Post-closure monitoring of accelerated bioremediation will be implemented starting in the spring of 2011 by sampling the remaining 14 Site monitoring wells. Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the contaminants of concern (COCs) are at or below the NYSDEC Class GA Standards.

The *Vapor Mitigation Measure Work Plan* (MACTEC, 2010c) detailed the results of a sub-slab vapor and indoor air (SSIA) investigation at off-site residences and also detailed a proposed sub-slab depressurization system for a residential duplex at 80 Ames Street/215 Danforth Street.

All above mentioned remedial activities have been completed and are detailed in the CCR (MACTEC, 2010a) and the Revised *Operations, Maintenance, and Monitoring Manual* (OM&M) (MACTEC, 2010d), which were approved by NYSDEC on February 16, 2011 and March 3, 2011, respectively.

2.0 REMEDIAL ACTIONS

2.1 REMEDIAL TREATMENT SYSTEM DECOMMISSIONING AND EXPANDED ACCELERATED BIOREMEDIATION

2.1.1 Decommissioning of the Remedial Treatment System and Selected Monitoring Wells

Subsequent to NYSDEC's approval of MACTEC's Revised Work Plan, in August 2010 MACTEC proceeded with decommissioning of the remedial treatment system. Decommissioning included removing all above-ground components of the remedial treatment system, plugging all underground piping with a silicon seal, and abandoning all wells (extraction, monitoring, and vent wells) except for the 14 monitoring wells (BR-01, BR-02, BR-03, BR-04, BR-10, BR-15, OB-04, OB-06, OB-08, TW-04, TW-09, TW-17, TW-20, and W-5) that are now included in the post-closure monitoring program. All wells were abandoned by tremie-grouting in-place in accordance with procedures outlined in the NYSDEC *Groundwater Monitoring Well Decommissioning Procedures* (NYSDEC, 2009). The extraction well and vent well vaults were filled with gravel after the wells were abandoned, and all former well and vault locations were patched with asphalt where appropriate. Complete details of the decommissioning activities were provided in the CCR (MACTEC, 2010a).

2.1.2 Expanded Accelerated Bioremediation

As detailed in the CCR (MACTEC, 2010a), MACTEC performed the expanded accelerated bioremediation application using 3DMe® in the vicinities of the remaining source area overburden monitoring wells in which concentrations of COCs exceed NYSDEC Class GA Standards: Areas 1A (OB-04) and 1B (OB-06) in the South Trichloroethene (TCE) Source Area, and Area 2 (OB-08) in the North TCE Source Area. The treatment area in the North TCE Source Area was expanded to include the nearby perimeter wells in Area 3 (W-5 and TW-17) to also accelerate the biodegradation of the COCs reported in these wells. At the request of NYSDEC, as a precautionary measure, a row of injection points was also placed along the eastern portion of the Site (Area 4) to further reduce the potential for contaminants in the groundwater to migrate off site towards nearby residences. The injection layout is illustrated on Figure 2 (Appendix A). Complete details of the expanded accelerated bioremediation application were provided in the CCR (MACTEC, 2010a). 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 at a more rapid rate.

2.2 VAPOR MITIGATION MEASURE

Prior to approval of MACTEC's Revised 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 were 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, 2009). 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 SSIA samples be collected from within residences near the Ames Street soil vapor sample locations (i.e., residences at 64, 70, and 80 Ames Street; 195, 215, and 216 Danforth Street; and 7 and 15 Lynchford Park B).

MACTEC performed the SSIA investigation at the eight residences listed above in 2010. The results of seven of the eight residences were submitted to the NYSDEC in MACTEC's *Vapor Mitigation Measure Work Plan* (MACTEC, 2010c). Sampling of the remaining residence, 7 Lynchford Park B, was delayed because ABB and MACTEC did not receive a signed access agreement from the owner until late May 2010, which was after completion of the SSIA investigation and outside of the heating season. The sampling at the remaining residence was performed in November 2010 and the results were included in MACTEC's *Addendum to Vapor Mitigation Measure Work Plan* (MACTEC, 2011). The results for this residence indicated no further action is required.

2.2.1 Sub-Slab Depressurization System Installation

Based on the review of results from the SSIA investigation, only the residence at 80 Ames Street required further action. To ensure that TCE in sub-slab vapors does not cause future exceedances of indoor air guidance values, ABB elected to install a sub-slab depressurization (SSD) system to mitigate vapors beneath the basement at 80 Ames Street as a precautionary measure. Additionally, since 80 Ames Street/215 Danforth Street is a duplex that share the same basement slab, the SSD system was designed to encompass the 215 Danforth Street basement. The objective of the SSD system is to reduce the potential for migration of soil vapor containing COCs to indoor air by reducing vapor pressure in the soil relative to the pressure in the residences.

Upon completion of system installation and post mitigation testing, the duplex owner was provided with written system operations and maintenance procedures in the form of a *Site Management Plan for Operation and Maintenance* (MACTEC, 2010e). Included in the Plan were details of the system components, guidelines for periodic system inspections, and guidelines for system repair. Copies of the Site Management Plan were also submitted to NYSDEC and NYSDOH.

Complete details of the implementation of the SSD system were provided in the CCR (MACTEC, 2010a).

2.2.2 Soil Vapor Point Abandonment

On September 15, 2010, MACTEC abandoned the soil vapor points used in the September 2009 SVI. Two SVI points (SV-1 and SV-2) were located on the Site near the southern boundary outside a chain link fence, adjacent to West Avenue. These points were abandoned by removing the sample tubing and manhole boxes and filling the boring with grout. The remaining SVI points (SV-3 through SV-5) were located beneath Ames Street between the Site and four residences that are immediately downgradient of the Site along Ames Street. These points were abandoned by removing the sample tubing and filling the boring with grout. The manhole space was then filled with cement to withstand traffic.

The locations of the soil vapor points are shown on Figure 3 (Appendix A). Complete details of the vapor point abandonment were also provided in the CCR (MACTEC, 2010a).

3.0 GROUNDWATER MONITORING

3.1 SCOPE OF WORK

MACTEC personnel performed the May sampling event to provide an inclusive set of groundwater analytical data for the 2010 reporting period. Thirty-seven samples were collected and submitted to Test America, Inc., for VOC analyses by U.S. Environmental Protection Agency (EPA) Method 8260B (Table 1, Appendix C). Of the samples collected in May, two (OB-04 and OB-08) were also submitted for selected natural biodegradation parameters, which include total organic carbon (TOC) by Method SM5310B; methane and ethene by Method RSK175; carbon dioxide (CO_2) by Method SM4500CO2C; and volatile fatty acids (VFAs) by Method AM23G. Data for dissolved oxygen, oxygen reduction potential, pH, and temperature were also collected in the field during the sampling event. Twelve of the 37 samples collected in May were associated with quality control efforts. All environmental samples, including field duplicates and matrix spike/matrix spike duplicate (MS/MSD) samples, were collected using a low-flow peristaltic pump at flow rates <400 milliliters per minute. It should be noted that of the 25 well locations sampled in May 2010, 11 of these wells were later abandoned as detailed below.

The planned November 2010 semi-annual sampling event was deferred until 2011 to allow for equilibration of subsurface conditions following the expanded accelerated bioremediation application, which was completed in October 2010. The next semi-annual sampling event is planned for May 2011, as approved by NYSDEC in an email dated September 3, 2010 (NYSDEC, 2010b). As requested by NYSDEC in an October 27, 2010 email (NYSDEC, 2010c), the samples will be analyzed for the six primary COCs remaining at the Site: TCE; 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. These VOCs will be analyzed using EPA Method 8260B.

Following the decommissioning of the remedial treatment system and selected monitoring wells in 2010, 14 monitoring wells remain at the Site. Analytical results from these 14 remaining Site wells are presented in Figures 4 and 5 (Appendix A) and in Appendix D. A comprehensive table showing historical analytical results for the overburden and bedrock monitoring wells is provided in Appendix D. Laboratory reports and chain-of-custody forms for the May 2010 samples are located in Appendices E and F, 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 G.

3.2 SUMMARY OF RESULTS

This section presents the results of the groundwater sampling event conducted during May 2010. Considering that several wells sampled in May were later abandoned in August 2010, the discussion below focuses on the results of the 14 remaining Site monitoring wells.

A summary of wells sampled and the analyses performed is found in Table 1 (Appendix C). Tables 2 and 3 summarize the monitoring well locations with COCs exceeding Class GA standards for overburden and bedrock monitoring wells, respectively. A summary of analytical results for all monitoring wells sampled in 2010, including wells abandoned in August 2010, is presented in Appendix D. Sample VOC results are also presented in "flag boxes" in Appendix A, Figures 4 and 5, representing overburden monitoring wells and bedrock monitoring wells. Complete laboratory analytical data reports for May 2010 are included in Appendix E. Well construction information is provided in Appendix H.

For the May 2010 sampling event, PCE and 1,1-DCE were not detected at concentrations exceeding the Class GA standard of 5 micrograms per liter (µg/L) in the remaining Site monitoring wells.

As shown in Tables 2 and 3 (Appendix C), TCE was detected above the Class GA standard of 5 µg/L in the groundwater samples collected from seven overburden monitoring wells and six bedrock monitoring wells; cis-1,2-DCE was detected above the Class GA standard of 5 µg/L in the groundwater samples collected from six overburden monitoring wells and five bedrock monitoring wells; trans-1,2-DCE was detected above the Class GA standard of 5 µg/L in the groundwater samples collected from one overburden monitoring well and three bedrock monitoring wells; and vinyl chloride was detected above the Class GA standard of 2 µg/L in the groundwater samples collected from three overburden monitoring wells and two bedrock monitoring wells.

While certain COCs remain above the NYSDEC Class GA drinking water standards, overall declines of COC concentrations have been observed in most site monitoring wells. The greatest decrease has been within the two source areas, where TCE in overburden monitoring wells OB-04 and OB-08 has decreased by 99 percent from the historical high for each respective well.

3.3 POTENTIOMETRIC SURFACE

Associated with the May sampling event, a potentiometric surface map was generated to depict groundwater elevations for the overburden groundwater. Surfer® 8 was used to plot the potentiometric surface map in Appendix A, Figure 6. This program mathematically calculates contours based upon groundwater elevation measurements collected in the field.

The May 2010 map (Figure 6 in Appendix A) was based upon water level information collected during the course of sampling activities on the subject site. Overburden potentiometric surface mapping for the water level event agrees with past mapping in both the North TCE Source Area and South TCE Source Area.

Attempts have been made to contour the bedrock potentiometric surface, but the bedrock water level data cannot readily be plotted due to the large variation in elevation heads. These variations are due to the fractured bedrock system. The head data appears to be bi-modally distributed possibly reflecting differing elevations of water bearing fractures. The 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 Figure 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 the May 2010 sampling event. The evaluation of MS/MSD criteria was used to qualify the data. The evaluations of MS/MSD analyses are presented in the following tables.

OB-07 – May 2010

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	50.6	101	53.1	4.8	65-151	12
Chlorobenzene	50.9	102	54.1	6.1	78-136	11
1,1-Dichloroethene	47.6	95	49.8	4.5	34-151	31
Toluene	52.8	106	55.5	5.0	61-153	35
Trichloroethene	62.7	116	61.9	1.3	74-139	11
Tetrachloroethene	51.9	104	54.3	4.5	63-155	16

BR-05 – May 2010

Analyte	MS Value (µg/L)	Recovery (%)	MSD Value (µg/L)	RPD	Control Limits (%)	RPD Limit
Benzene	52.7	105	54.4	3.2	65-151	12
Chlorobenzene	50.6	101	53.3	5.2	78-136	11
1,1-Dichloroethene	52.0	102	55.3	6.2	34-151	31
Toluene	52.4	105	55.5	5.7	61-153	35
Trichloroethene	99.8	106	106	6.0	74-139	11
Tetrachloroethene	50.3	101	56.4	11.4	63-155	16

The RPD 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 the May 2010 sampling events. Field duplicate precision is presented in the following table.

BR-11 – May 2010

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
BR-11	1,1-Dichloroethene	1	1.02		1.00		2.0
	cis-1,2-Dichloroethene	1	356		347		2.6
	trans-1,2-Dichloroethene	1	48.0		46.8		2.5
	Trichloroethene	1	227		221		2.7
	Vinyl Chloride	1	1.83		1.84		0.5

W-5 – May 2010

Sample ID	Analyte	Practical Quantitation Limit	Sample Result (µg/L)	Flag	Duplicate Result (µg/L)	Flag	RPD
W-5	cis-1,2-Dichloroethene	1	164		159		3.1
	trans-1,2-Dichloroethene	1	2.08		2.08		0
	Trichloroethene	1	601		591		1.7
	Vinyl Chloride	1	5.04		5.27		4.5

Field duplicate precision was evaluated between the two data sets for detected compounds. The RPDs were well below the National Functional Data Validation Guideline of 30 for water samples.

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 2010 event 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.

No target VOCs were detected above the reporting limit in any method blank in May 2010.

Two trip blanks were analyzed during the May 2010 sampling event as part of the VOC laboratory QC program. No target VOCs were detected above the reporting limit in either 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 the May 2010 event. 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 25 sampling events that occurred from 2001-2010 provides an evaluation of the site remedial progress. The following overall conclusions and recommendations have been reached in this remedial progress evaluation:

- Despite an extended shutdown of the remedial treatment system since August 2006, overall contaminant levels in the Site monitoring wells have not demonstrated significant rebound effects, and overall declines remain evident.

- While certain COCs remain above the NYSDEC Class GA drinking water standards, overall declines of COC concentrations have been observed in most site monitoring wells. The greatest decrease has been within the two source areas, where TCE in overburden monitoring wells OB-04 and OB-08 has decreased by 99 percent.

- In October 2010, MACTEC completed the expanded accelerated bioremediation application using 3DMe® in the vicinities of the remaining source area overburden monitoring wells and select perimeter monitoring wells in which concentrations of COCs exceed NYSDEC Class GA Standards. 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 at a more rapid rate.

- Groundwater monitoring events initially will be conducted semi-annually on all 14 remaining monitoring wells. Groundwater samples will be analyzed for the six primary COCs remaining at the Site: TCE; PCE; cis-1,2-DCE; trans-1,2-DCE; 1,1-DCE; and vinyl chloride. These VOCs will be analyzed using EPA Method 8260B. Additionally, as requested by NYSDEC in an October 27, 2010 email (NYSDEC, 2010c), the groundwater samples will be analyzed for the full suite of 8260B constituents once every five years and prior to ending monitoring at any specified well. Results of the post-closure monitoring will be provided to NYSDEC in subsequent annual reports. Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the COCs are at or below the NYSDEC Class GA Standards.

- In September 2010, ABB installed an SSD system to mitigate vapors beneath the basement at the 80 Ames Street/215 Danforth Street duplex as a precautionary measure. The initial SSD system inspection and maintenance will be performed by the installation contractor, Mitigation Tech, approximately 15 months after system installation (i.e., approximately November 2011). Subsequent inspections will be performed by Mitigation Tech approximately annually thereafter. MACTEC will submit the results of the inspection and testing of the SSD system to NYSDEC. Results from all other residences indicated no further action.

- As requested by NYSDEC (NYSDEC, 2010a), the Site Periodic Review Report is provided in Appendix B of this report.

6.0 REFERENCES

Harding Lawson, 2000. *Remedial Work Plan, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York.* Prepared for Combustion Engineering (April).

MACTEC, 2001. *Quarterly Progress Report, First Quarter 2001, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York.* Prepared for Combustion Engineering, Norwalk, Connecticut (May).

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MACTEC, 2006. *2005 Annual Progress Report and Remedial Progress Evaluation, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York.* Prepared for Combustion Engineering, Norwalk, Connecticut (February).

MACTEC, 2009. *Report of Soil Vapor Investigation.* Prepared for the New York State Department of Environmental Conservation (November 5).

MACTEC, 2010a. *Construction Completion Report.* Prepared for the New York Department of Environmental Conservation (December).

MACTEC, 2010b. *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System*. Prepared for the New York State Department of Environmental Conservation (June 11).

MACTEC, 2010c. *Vapor Mitigation Measure Work Plan for 80 Ames Street and 215 Danforth Street, Former Taylor Instruments Site, Rochester, New York.* Prepared for ABB, Inc. (July).

MACTEC, 2010d. *Operations, Maintenance, and Monitoring Plan*. Prepared for the New York Department of Environmental Conservation (December).

MACTEC, 2010e. *Site Management Plan for Sub-Slab Vapor Mitigation System Operation and Maintenance, Duplex at 80 Ames Street and 215 Danforth Street in Rochester, New York.* Prepared for Mr. Kevin Carter, property owner (October 25).

MACTEC, 2011. *Addendum to Vapor Mitigation Measure Work Plan, Sub-Slab Vapor and Indoor Air Sampling at 7 Lynchford Park B.* Prepared for the New York State Department of Environmental Conservation (January 17).

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

NYSDEC, 2005. Letter to Ms. Jean H. McCreary with Nixon Peabody LLC (September 2).

NYSDEC, 2009. *Groundwater Monitoring Well Decommissioning Procedures* (August 1).

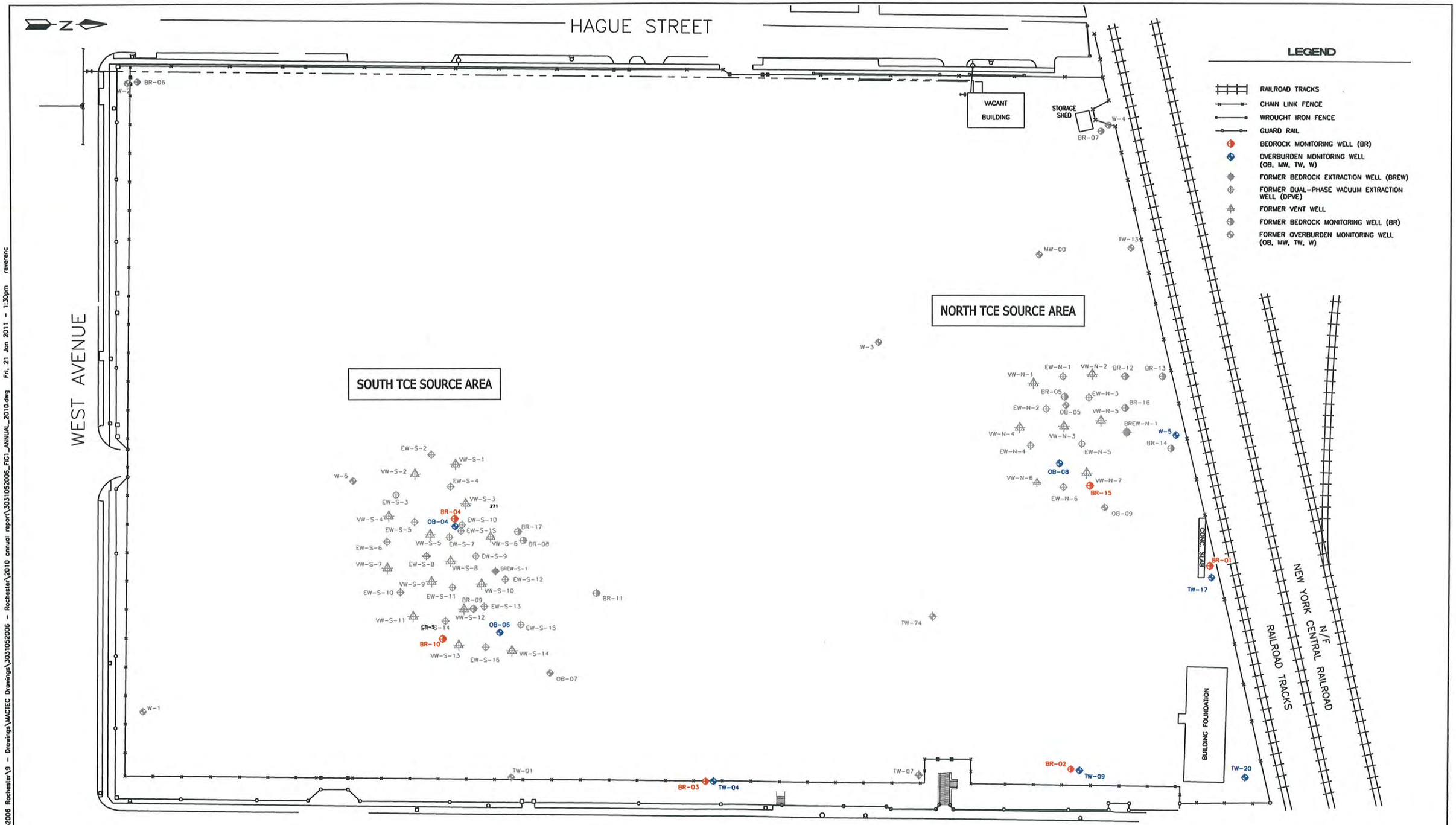
NYSDEC, 2010a. *Site Management Periodic Review Report (PRR) Response Letter* (July 29).

NYSDEC, 2010b. Email from Mr. Frank Sowers with the New York State Department of Environmental Conservation to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. (September 3).

NYSDEC, 2010c. Email from Mr. Frank Sowers with the New York State Department of Environmental Conservation to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. (October 27).

APPENDIX A

FIGURES



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

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WELL LOCATIONS
ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DSS	3031052006	JD	07/22/08	01/21/11

P:\488 Business Services\3031052006 Rochester\9 - Drawings\MACTEC Drawings\3031052006 - Rochester\2010 annual report\3031052006_FIG1_ANNUAL_2010.dwg Fri, 21 Jan 2011 - 1:30pm reverenc

N

HAGUE STREET

WEST AVENUE

VACANT BUILDING

STORAGE SHED

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)
- 3DME® INJECTION POINT
- ② 3DME® INJECTION AREA
- ESTIMATED GROUNDWATER FLOW DIRECTION
- Area 1: 12,170 s.f., Approximate 4'–19' Treatment Interval
- Area 2: 9,730 s.f., Approximate 9'–24' Treatment Interval
- Area 3: 7,636 s.f., Approximate 9'–24' Treatment Interval
- Area 4: 240 l.f., Approximate 7'–22' Treatment Interval

BR-04
OB-04
1A
BR-10
1B
OB-06
②
OB-08
BR-15
W-5
③
CONC. SIDE
BR-01
TW-17
NEW YORK CENTRAL RAILROAD
N/F
RAILROAD TRACKS
BUILDING FOUNDATION
④
BR-03
TW-04
BR-02
TW-09
TW-20

AMES STREET

0 80'

SCALE: 1"=80'

3DME® = 3-D MICROEMULSION®

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3-D MICROEMULSION® INJECTION LAYOUT - AS IMPLEMENTED
ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PSS	3031052006	JD	07/22/08	01/26/11

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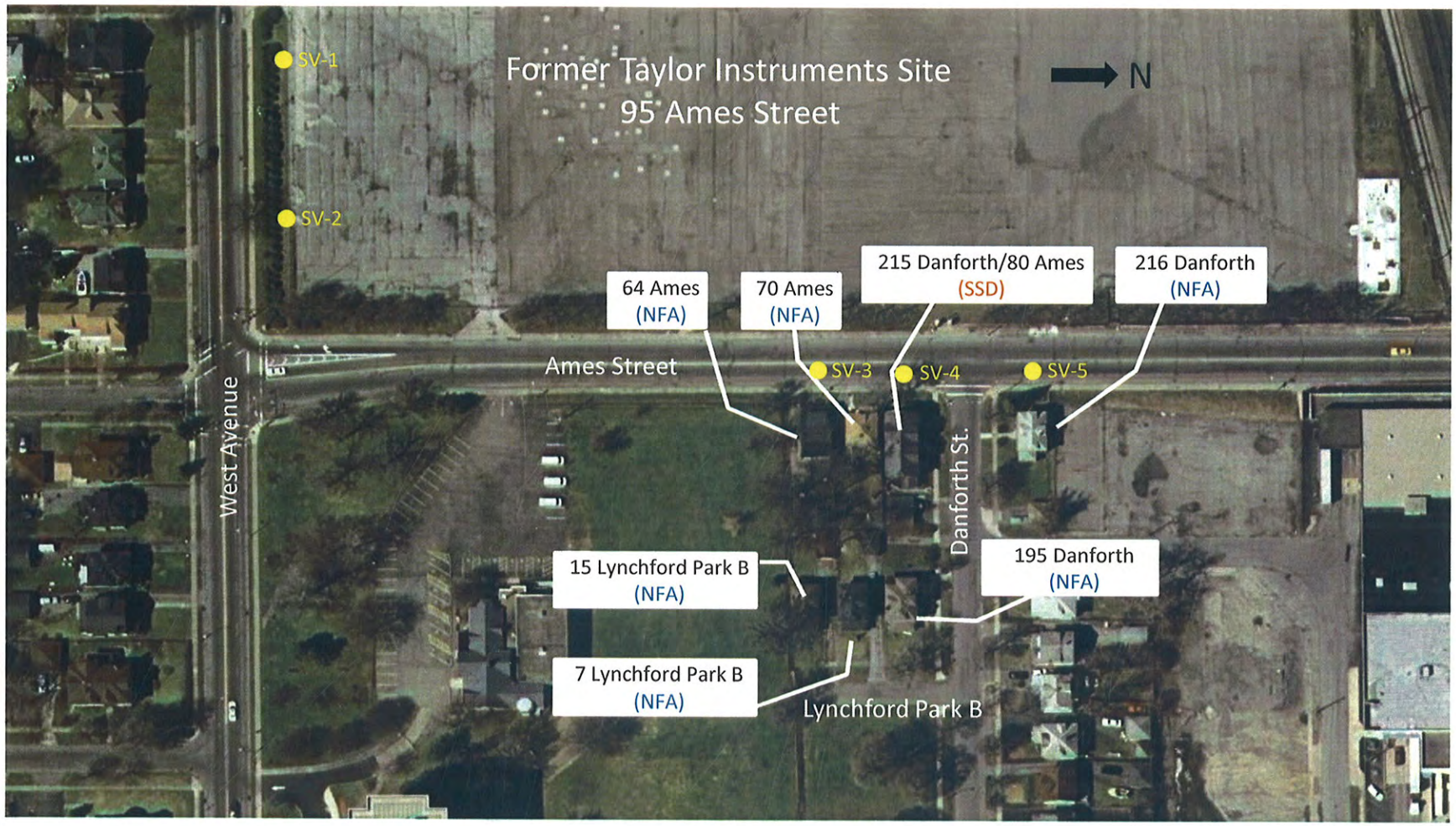

NFA = no further action warranted

SSD = sub-slab depressurization system installed

● = Soil vapor sample location (abandoned)

Project 3031052006-11

MACTEC

Figure 3 - Sub-Slab Vapor and Indoor Air Sampling Residences at 64, 70, and 80 Ames Street; 195, 215, and 216 Danforth Street; and 7 and 15 Lynchford Park B

Former Taylor Instruments Site
Rochester, New York

Prepared by: KJD 10/28/10
Checked by: CRW 11/28/10

...\6 - Field Documents\Soil Vapor\2010-02 SS and IA Investigation`

HAGUE STREET

BRICK BUILDING

VACANT BUILDING

STORAGE SHED

N/F NEW YORK CENTRAL RAILROAD TRACKS

CONC. SLAB

BUILDING FOUNDATION

LEGEND

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

DCE	DICHLOROETHENE
PCE	TETRACHLOROETHENE (PERCHLOROETHENE)
TCE	TRICHLOROETHENE
J	ESTIMATED VALUE
U	NON DETECT
NS	NOT SAMPLED

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

RESULTS ABOVE NYSDEC CLASS GA STANDARD

SITE ID

Site ID: OB-XX	NYSDEC CLASS GA groundwater standard	(units:ug/L) MAY 08
Analyte		
PCE	5	1 U
TCE	5	1 U
cis-1,2-DCE	5	41.4
trans-1,2-DCE	5	8.02
1,1-DCE	5	NS
Vinyl Chloride	2	47.8

DATE SAMPLED
NOT DETECTED AT THE INDICATED QUANTITATION LIMIT
DETECTED
NOT SAMPLED

Site ID: W-5				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	58	961	664	601
cis-1,2-DCE	27	124	59.9	164
trans-1,2-DCE	11	2.61	1.55	2.08
1,1-DCE	5.0 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1.33	5.39J	5.04

Site ID: OB-04				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	2500 U	1 U	1 U	1 U
TCE	70000	28.8	32.8	5.76
cis-1,2-DCE	2900	102	59.6	5.69
trans-1,2-DCE	2500 U	2.27	1 U	1.77
1,1-DCE	2500 U	1 U	1 U	1 U
Vinyl Chloride	2500 U	21.7	49.8	9.74

Site ID: OB-08				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	1000 U	1 U	1 U	1 U
TCE	40000	1 U	1 U	1 U
cis-1,2-DCE	390 J	42.5	35.2	30.5
trans-1,2-DCE	1000 U	10.2	12.4	3.44
1,1-DCE	1000 U	1 U	1 U	1 U
Vinyl Chloride	200 U	83.8	111	36

Site ID: OB-06				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	50 U	1 U	1 U	1 U
TCE	2600	78.3	121	105
cis-1,2-DCE	60	6.03	12.6	10.5
trans-1,2-DCE	50 U	1 U	1 U	1 U
1,1-DCE	50 U	1 U	1 U	1 U
Vinyl Chloride	10 U	1 U	1 U	1 U

Site ID: TW-17				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	25 U	1 U	1 U	1 U
TCE	1000	332	94	316
cis-1,2-DCE	7.9 J	6.46	199	10.6
trans-1,2-DCE	25 U	1 U	5.92	1 U
1,1-DCE	25 U	1 U	1 U	1 U
Vinyl Chloride	5.0 U	1 U	1 U	1 U

Site ID: TW-04				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	42	4.78	1 U	5.32
cis-1,2-DCE	79	1 U	1 U	1 U
trans-1,2-DCE	5.0 U	1 U	1 U	1 U
1,1-DCE	5.0 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1 U	1 U	1 U

Site ID: TW-09				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	230	72.1	82.9	58.7
cis-1,2-DCE	36	32.6	34.4	12.8
trans-1,2-DCE	5.0 U	32	34.6	14.3
1,1-DCE	5.0 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	5.83	1 U	1 U

Site ID: TW-20				(units: µg/L)
Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	5.2	25.2	78.6	85.9
cis-1,2-DCE	5.0 U	1.55	5.5	2.34
trans-1,2-DCE	5.0 U	1 U	1 U	1 U
1,1-DCE	5.0 U	1 U	1 U	1 U
Vinyl Chloride	1.0 U	1 U	1 U	1 U

W-5
OB-08
BR-15
BR-04
OB-04
OB-06
BR-10
BR-01
TW-17
TW-01
BR-03
TW-04
BR-02
TW-09
TW-20

0 80'

SCALE: 1"=80'

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MAY 2010 VOCs IN OVERBURDEN MONITORING WELLS
ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

4

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
DSE	3031052006	JD	07/22/08	01/26/11

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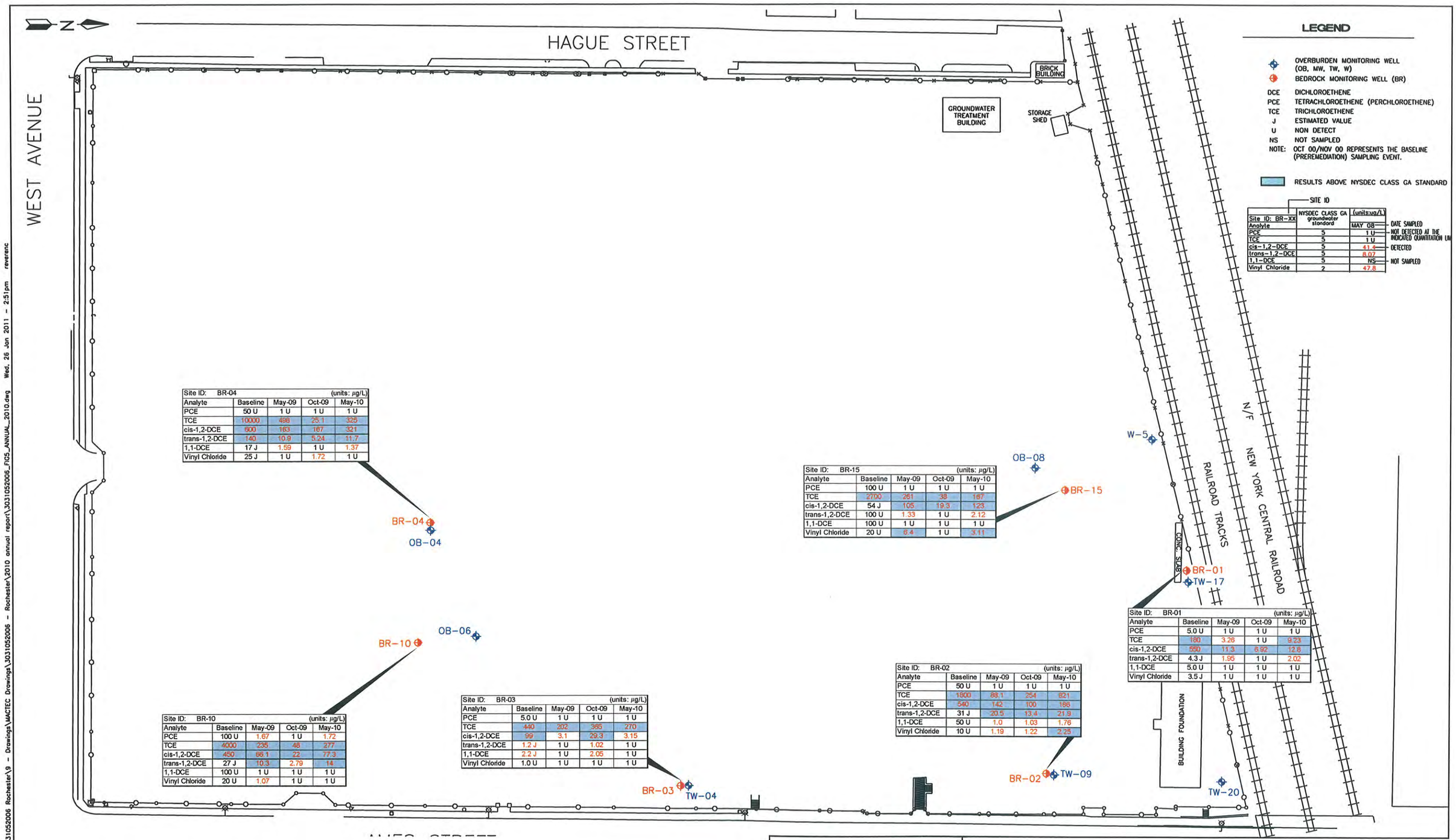

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)
- DCE DICHLOROETHENE
- PCE TETRACHLOROETHENE (PERCHLOROETHENE)
- TCE TRICHLOROETHENE
- J ESTIMATED VALUE
- U NON DETECT
- NS NOT SAMPLED
- NOTE: OCT 00/NOV 00 REPRESENTS THE BASELINE (PREREMEDIATION) SAMPLING EVENT.
- RESULTS ABOVE NYSDEC CLASS GA STANDARD

SITE ID

Site ID: BR-XX	NYSDEC CLASS GA groundwater standard	(units: µg/L) MAY 08
Analyte		DATE SAMPLED
PCE	5	1 U — NOT DETECTED AT THE INDICATED QUANTITATION LIM
TCE	5	1 U
cis-1,2-DCE	5	41.4 — DETECTED
trans-1,2-DCE	5	8.07
1,1-DCE	5	NS — NOT SAMPLED
Vinyl Chloride	2	47.8

Site ID: BR-04 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	50 U	1 U	1 U	1 U
TCE	10000	498	25.1	325
cis-1,2-DCE	600	163	167	321
trans-1,2-DCE	140	10.9	5.24	11.7
1,1-DCE	17 J	1.59	1 U	1.37
Vinyl Chloride	25 J	1 U	1.72	1 U

Site ID: BR-15 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	100 U	1 U	1 U	1 U
TCE	2700	261	38	167
cis-1,2-DCE	54 J	105	19.3	123
trans-1,2-DCE	100 U	1.33	1 U	2.12
1,1-DCE	100 U	1 U	1 U	1 U
Vinyl Chloride	20 U	6.4	1 U	3.11

Site ID: BR-01 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	160	3.26	1 U	9.23
cis-1,2-DCE	550	11.3	6.92	12.6
trans-1,2-DCE	4.3 J	1.96	1 U	2.02
1,1-DCE	5.0 U	1 U	1 U	1 U
Vinyl Chloride	3.5 J	1 U	1 U	1 U

Site ID: BR-10 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	100 U	1.67	1 U	1.72
TCE	4000	235	48	277
cis-1,2-DCE	450	66.1	22	77.3
trans-1,2-DCE	27 J	10.3	2.79	14
1,1-DCE	100 U	1 U	1 U	1 U
Vinyl Chloride	20 U	1.07	1 U	1 U

Site ID: BR-03 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	5.0 U	1 U	1 U	1 U
TCE	440	202	365	270
cis-1,2-DCE	99	3.1	29.3	3.15
trans-1,2-DCE	1.2 J	1 U	1.02	1 U
1,1-DCE	2.2 J	1 U	2.05	1 U
Vinyl Chloride	1.0 U	1 U	1 U	1 U

Site ID: BR-02 (units: µg/L)

Analyte	Baseline	May-09	Oct-09	May-10
PCE	50 U	1 U	1 U	1 U
TCE	1800	88.1	354	821
cis-1,2-DCE	540	142	100	186
trans-1,2-DCE	31 J	20.5	13.4	21.9
1,1-DCE	50 U	1.0	1.03	1.78
Vinyl Chloride	10 U	1.19	1.22	2.25

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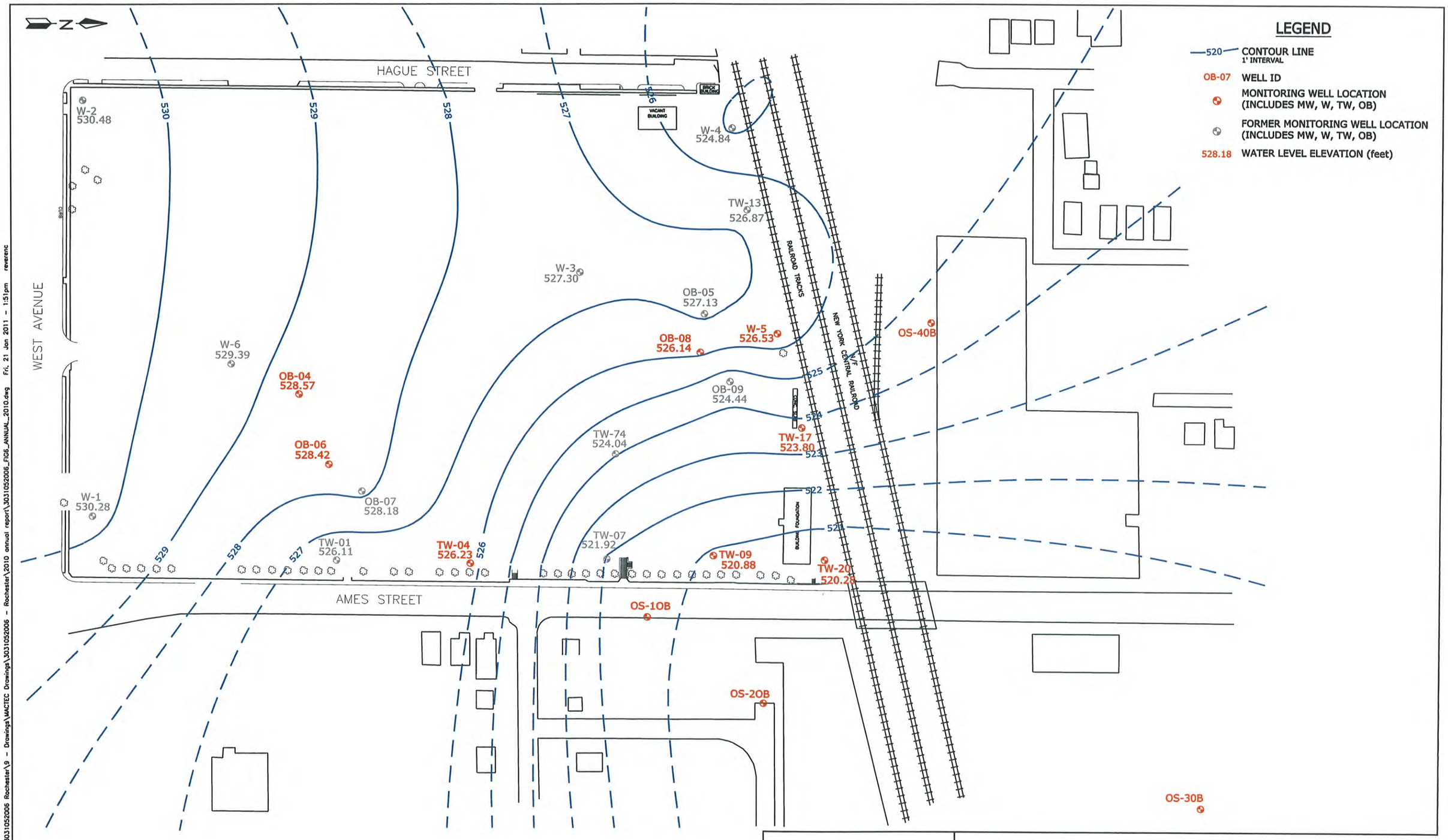
MAY 2010 VOCs IN BEDROCK MONITORING WELLS
ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

5

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RBB	3031052006	JD	07/22/08	01/26/11

P:\ABB Business Services\3031052006 Rochester\9 - Drawings\MACTEC Drawings\3031052006 - Rochester\2010 annual report\3031052006_FIG5_ANNUAL_2010.dwg Wed, 26 Jan 2011 - 2:51pm reverenc



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OVERBURDEN POTENTIOMETRIC SURFACE MAP
MAY 2010 SAMPLING EVENT - ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

6

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
	3031052006	JD	07/22/08	01/21/11

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N

HAGUE STREET

WEST AVENUE

AMES STREET

BR-06
526.95

BR-07
511.58

BR-12
519.45

BR-13
511.36

BR-05
512.98

BR-16
511.37

BR-14
522.20

BR-15
514.82

BR-01
519.19

OS-4BR

BR-04
514.19

BR-17
514.18

BR-08
514.21

BR-09
514.19

BR-11
514.15

BR-10
514.23

BR-03
525.77

BR-02
510.03

OS-1BR

OS-2BR

OS-3BR

VACANT BUILDING

BRICK BUILDING

NEW YORK CENTRAL RAILROAD N/F RAILROAD TRACKS

BUILDING FOUNDATION

LEGEND

BR-01 WELL ID

BEDROCK WELL LOCATION

FORMER BEDROCK WELL LOCATION

519.19 WATER LEVEL ELEVATION (feet)

0 120'

SCALE: 1"=120'

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BEDROCK GROUNDWATER ELEVATIONS
MAY 2010 SAMPLING EVENT - ANNUAL REPORT 2010
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

7

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RDE	3031052006	JD	07/22/08	01/21/11

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APPENDIX B

PERIODIC REVIEW REPORT

APPENDIX B

PERIODIC REVIEW REPORT

Introduction

The Site was the location of the former Taylor Instruments facility that was operated from 1904 to 1994 under a variety of owners. In 1993 Combustion Engineering (CE) closed the facility. The Site is currently vacant. In 1997 a Voluntary Clean-up Agreement (VCA) was executed between CE and New York State Department of Environmental Conservation (NYSDEC) (VCA Index #B8-0508-97-02, NYSDEC, 1997).

Following extensive soil excavation, filling and capping, and other remedial activities, a groundwater remedy for chlorinated volatile organic compounds (VOCs) was implemented from January 2001 to May 2006. This included an on-site remedial treatment system which consisted of a dual-phase vacuum extraction (DPVE) and bedrock groundwater extraction and treatment system (System).

Upon reaching the conclusion that the System had reached asymptotic contaminant removal rates, in July 2006 MACTEC (MACTEC Engineering and Consulting, Inc.) initiated a pilot-scale application of Hydrogen Release Compound (HRC) Advanced® near monitoring wells OB-08 in the North Trichloroethene (TCE) Source Area and OB-04 in the South TCE Source Area of the Site to evaluate the effectiveness of HRC Advanced® in accelerating the biodegradation of the site contaminants of concern (COCs) in lieu of further operation of the System. The System was shut down prior to the pilot test and remained off thereafter to optimize reducing conditions after implementation of the pilot application. The HRC Advanced® was 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.

Following NYSDEC approval of MACTEC's *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remediation Treatment System* (MACTEC, 2010a), in 2010 the System was decommissioned, an expanded application of 3-D Microemulsion® (3DMe®, formerly HRC Advanced®) was implemented, and post-closure monitoring of natural attenuation will be implemented starting in 2011. Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the COCs are at or

below NYSDEC Class GA Standards. Decommissioning included removing all above-ground components of the remedial treatment system, plugging the ends of all underground system piping with silicon seal, and abandoning all wells (extraction, monitoring, and vent wells) except for the 14 monitoring wells (BR-01, BR-02, BR-03, BR-04, BR-10, BR-15, OB-04, OB-06, OB-08, TW-04, TW-09, TW-17, TW-20, and W-5) that are to be included in the post-closure natural attenuation monitoring. Figure 1 depicts the former System as well as former and existing monitoring wells.

In October 2010, MACTEC completed the expanded accelerated bioremediation application using 3DMe® in the vicinities of the remaining source area overburden monitoring wells in which concentrations of COCs exceed Class GA Standards as shown on the attached Figure 2: Areas 1A (OB-04) and 1B (OB-06) in the South TCE Source Area and Area 2 (OB-08) in the North TCE Source Area. The treatment area in the North TCE Source Area was expanded to include the nearby perimeter wells in Area 3 (W-5 and TW-17) to also accelerate the biodegradation of the COCs reported in these wells. At the request of the NYSDEC, as a precautionary measure, a row of injection points was also placed along the eastern portion of the Site (Area 4) to further reduce the potential for contaminants in the groundwater to migrate off site towards nearby residences. 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 at a more rapid rate.

Also in cooperation with the NYSDEC and the New York State Department of Health, in 2010 ABB agreed to investigate sub-slab vapor and indoor air (SSIA) at eight residences near previous soil vapor sample collection points beneath Ames Street (i.e., residences at 64, 70, and 80 Ames Street; 195, 215, and 216 Danforth Street; and 7 and 15 Lynchford Park B). Based on the review of results from the SSIA investigation, only the residence at 80 Ames Street required further monitoring or mitigation. The residence at 80 Ames Street is a duplex with a second address of 215 Danforth Street; therefore, to address potential soil vapor intrusion at the 80 Ames/215 Danforth duplex, in September 2010 ABB installed a sub-slab depressurization (SSD) system to mitigate both residences.

Complete details of the system decommissioning, 3DMe® injection, and SSD system installation were provided in the *Construction Completion Report* (CCR) (MACTEC, 2010b) which was approved by NYSDEC on February, 16, 2011.

Twelve overburden monitoring wells and twelve bedrock monitoring wells located on the Site were sampled regularly from 2001 to 2010**.** Analytical data from the most recent May 2010 groundwater sampling event indicates that while certain COCs remain above the NYSDEC Class GA drinking water standards, overall declines of COC concentrations have been observed in most Site monitoring wells. The greatest decrease has been within the two source areas, where TCE in overburden monitoring wells OB-04 and OB-08 has decreased by 99 percent.

During the past reporting period, no areas of non-compliance were noted. Additionally, no changes to the *Soil Management Plan* (MACTEC, 2005), the recently revised *Operations, Maintenance, and Monitoring* (OM&M) *Manual* (MACTEC, 2010c) which was approved on March 3, 2011 or frequency of Periodic Review Reports (PRR) submittals are recommended. The requirements for discontinuing the Site management have not yet been met.

Site Overview

The Site is located at 95 Ames Street in Rochester, New York. The approximately 14-acre Site is vacant, containing a fabricated building that previously housed the System as well as a second small storage shed. The Site is mostly paved and is surrounded by a chain link fence. North of the Site are a railroad line and a commercial/industrial property; to the east across Ames Street are a food processing facility, residences, and a community center; to the south across West Avenue are residences; and to the west across Hague Street is Rochester Gas and Electric. Figure 3 (attached) depicts the current Site layout.

Prior to Site remediation, Site assessments identified the following contaminants:

Site Contamination

- Mercury and TCE were the principal site contaminants present in Site soils.
- VOCs were being released from the North and South TCE Source Areas to soil and bedrock groundwater at concentrations exceeding groundwater quality standards. TCE was the predominant site-related VOC in overburden and bedrock groundwater samples.

- Soil gas samples collected from downgradient site perimeter locations contained TCE along with tetrachloroethene and dichloroethene at less frequent detections and lower concentrations.

- TCE and its breakdown products were found at several locations in on-site sewers; they were the only VOCs detected. Mercury was detected at low levels in each of the water samples obtained from on-site sewer locations**.**

Complete details on the nature and extent of contamination prior to Site remediation were provided in the *Final Investigative Report* (Harding Lawson Associates, 1999).

Remedial Program

Comprehensive remedial actions implemented at the Site were previously detailed in the *Final Engineering Report, On-Site Storm Sewers* (Harding Lawson Associates, 2000a) [2000 FER], and the *Final Engineering Report* (MACTEC, 2003) [2003 FER]. The FER also contained the *Soil Management Plan* (MACTEC, 2005) which contains details on the Site engineering and institutional controls that have been recorded at the Site. These reports were all approved by NYSDEC.

Subsequent to the 2003 FER, the NYSDEC issued an *Assignable Release and Covenant Not to Sue* (AR-CNTS) (NYSDEC, 2005), subject to implementation of an Operations and Maintenance (O&M) Plan that acknowledged the satisfactory implementation of all Site remedial actions. The AR-CNTS indicated that:

> *"…no further investigation or response will be required at the Site respecting the Existing Contaminations to render the Site safe to be used for the Contemplated Uses." … "The Department, therefore, hereby releases,… Volunteer for the further investigation and remediation of the Site, based on the release of threatened release of any Existing Contamination, provided that … Volunteer pursue to completion the Department-approved O&M Plan…"*

The Site is currently in post-closure groundwater monitoring. Fourteen remaining groundwater monitoring wells will be sampled semi-annually for analysis of the six primary contaminants of concern remaining at the Site: TCE; tetrachloroethene; 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 by Environmental Protection Agency (EPA) Method 8260B. Additionally, the groundwater samples will be tested for the full suite of 8260B constituents once every five years and prior to ending

monitoring at any specified well. Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the COCs are at or below the NYSDEC Class GA Standards.

Complete details of the remedial program were provided in the April 2000 *Remedial Work Plan* (Harding Lawson Associates 2000b), the *Final Engineering Report* (MACTEC, 2003), and the CCR (MACTEC, 2010b).

Evaluation of Remedy Performance, Effectiveness, and Protectiveness

The most current assessment of the effectiveness of the final Site remedial action is presented in the *2010 Annual Progress Report and Remedial Progress Evaluation* (MACTEC, 2011).

Institutional and Engineering Control (IC/EC) Plan Compliance Report

Specific details on IC/ECs for the Site were provided in the *Remedial Work Plan* (Harding Lawson Associates, 2000b), the *Soil Management Plan* (MACTEC, 2005), and the revised OM&M Manual (MACTEC, 2010c). Certification of the IC/ECs is provided in the attached NYSDEC-approved certification form.

Monitoring Plan Compliance Report

The scope of the May 2010 semi-annual monitoring event was provided in the *Dual-Phase Vacuum Extraction Remediation System Operations and Maintenance Manual* (Harding ESE, 2001). The scope of future post-closure monitoring events beginning in 2011 is provided in the revised OM&M Manual (MACTEC, 2010c). A summary of recent monitoring, comparisons with remedial objectives, and conclusions and recommendations are provided in the *2010 Annual Progress Report and Remedial Progress Evaluation* (MACTEC, 2011). MACTEC has not identified deficiencies with the monitoring plan.

Operation and Maintenance (O&M) Plan Compliance Report

The original Site O&M Manual (Harding ESE, 2001), which governed the May 2010 monitoring event, was approved by NYSDEC in a September 2, 2005 letter (NYSDEC, 2005). The

components of the plan included details of the DPVE System, including System maintenance; Site health and safety; Site environmental sampling; and reporting and notification requirements. The revised OM&M Manual (MACTEC, 2010c), which governs OM&M activities beginning in 2011, was approved by the Department on March 3, 2011. The components of the revised OM&M Manual include Site groundwater monitoring, SSD system operations and maintenance, ICs/ECs, and reporting and certification requirements.

O&M activities completed during the 2010 reporting period included one site-wide groundwater sampling event; SSIA investigations at off-site residences; installation of a SSD system at an off-site residential duplex; decommissioning of the remedial treatment system and selected monitoring wells; and the submittal of the CCR (MACTEC, 2010b), revised OM&M Manual (MACTEC, 2010c), and the *2010 Annual Progress Report* (MACTEC, 2011) to NYSDEC. An evaluation of the remedial System and conclusions and recommendations are also provided in the *2010 Annual Progress Report* (MACTEC, 2011). MACTEC has not identified deficiencies with the original O&M Manual or the revised OM&M Manual.

Overall PRR Conclusions and Recommendations

Compliance with the original Site O&M Plan including performance and effectiveness of the Site remedy is detailed in the *2010 Annual Progress Report* (MACTEC, 2011). As indicated in that report, a comparison of analytical data from the 25 sampling events that occurred in 2001-2010 provides an evaluation of the site remedial progress. The following overall conclusions and recommendations have been reached in this remedial progress evaluation:

- Despite an extended shutdown of the remedial treatment system since August 2006, overall contaminant levels in the Site monitoring wells have not demonstrated significant rebound effects, and overall declines remain evident.

- While certain COCs remain above the NYSDEC Class GA drinking water standards, overall declines of COC concentrations have been observed in most site monitoring wells. The greatest decrease has been within the two source areas, where TCE in overburden monitoring wells OB-04 and OB-08 has decreased by 99 percent.

- In October 2010, MACTEC completed the expanded accelerated bioremediation application using 3DMe® in the vicinities of the remaining source area overburden monitoring wells and select perimeter monitoring wells in which concentrations of COCs exceed NYSDEC Class GA Standards. 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 at a more rapid rate.

- Groundwater monitoring events initially will be conducted semi-annually on all 14 remaining monitoring wells. Groundwater samples will be analyzed for the six primary COCs remaining at the Site; TCE; tetrachloroethene; cis-1,2-DCE; trans-1,2-DCE; 1,1-DCE; and vinyl chloride. These VOCs will be analyzed using EPA Method 8260B. Additionally, as requested by NYSDEC in an October 27, 2010 email (NYSDEC, 2010), the groundwater samples will be analyzed for the full suite of 8260B constituents once every five years and prior to ending monitoring at any specified well. Results of the post-closure monitoring will be provided to NYSDEC in subsequent annual reports. Unless otherwise agreed to by NYSDEC, contaminant conditions will continue to be monitored until groundwater concentrations of the COCs are at or below the NYSDEC Class GA Standards.

- In September 2010, ABB installed an SSD system to mitigate vapors beneath the basement at the 80 Ames Street/215 Danforth Street duplex as a precautionary measure. The initial SSD system inspection and maintenance will be performed by the installation contractor, Mitigation Tech, approximately 15 months after system installation (i.e., approximately November 2011). Subsequent inspections will be performed by Mitigation Tech approximately annually thereafter. MACTEC will submit the results of the inspection and testing of the SSD system to the NYSDEC. Results from all other residences indicated no further action.

References

Harding ESE, 2001. *Dual-Phase Vacuum Extraction Remediation System Operations and Maintenance Manual, Former Taylor Instruments Site, 95 Ames Street, Rochester, New York* (March).

Harding Lawson Associates, 1999. *Final Investigative Report, Taylor Instruments Site, Rochester, New York.* Prepared for to the New York State Department of Environmental Conservation. March.

Harding Lawson Associates, 2000a. *Final Engineering Report, On-Site Storm Sewers, Former Taylor Instruments Site, Rochester, New York.* Prepared for Combustion Engineering. January.

Harding Lawson Associates, 2000b. *Remedial Work Plan, Taylor Instruments Site, 95 Ames Street, Rochester, New York.* Prepared for Combustion Engineering. April.

MACTEC, 2003. *Final Engineering Report, Former Taylor Instruments Site, Rochester, New York.* Prepared for Combustion Engineering. September.

MACTEC, 2005. *Soil Management Plan, Former Taylor Instruments Facility, 95 Ames Street, Rochester, New York 14611.* Prepared for Combustion Engineering. April.

MACTEC, 2010a. *Revised Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System, Former Taylor Instruments Site, 95 Ames Street in Rochester, New York.* Prepared for the New York State Department of Environmental Conservation. June 11.

MACTEC, 2010b. *Construction Completion Report, Former Taylor Instruments Site, Monroe County, New York.* Prepared for the New York State Department of Environmental Conservation. December.

MACTEC, 2010c. *Operations, Maintenance, and Monitoring Manual, Rev. 1, Former Taylor Instruments Site, Monroe County, New York.* Prepared for the New York State Department of Environmental Conservation.

MACTEC, 2011. *Annual Progress Report and Remedial Progress Evaluation*, Former Taylor Instruments Site, Rochester, New York. Prepared for ABB, Inc. February.

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

NYSDEC, 2005. Letter to Ms. Jean H. McCreary with Nixon Peabody LLC. September 2.

NYSDEC, 2010. Email from Mr. Frank Sowers with the New York State Department of Environmental Conservation to Mr. Ricky A. Ryan with MACTEC Engineering and Consulting, Inc. (October 27).

Acronym List

2000 FER	Final Engineering Report, On-Site Storm Sewers (Harding Lawson Associates, 2000a)
2003 FER	Final Engineering Report (MACTEC, 2003)
3DMe®	3D Microemulsion®
AR-CNTS	Assignable Release and Covenant Not to Sue
CCR	*Construction Completion Report*
CE	Combustion Engineering
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®
IC/EC	institutional and engineering control
MACTEC	MACTEC Engineering and Consulting, Inc.
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
OM&M	operations, maintenance, and monitoring
PRR	Periodic Review Report
Site	location of the former Taylor Instruments facility
SSD	sub slab depressurization
SSIA	sub-slab vapor and indoor air
System	DPVE and bedrock groundwater extraction and treatment system
TCE	trichloroethene
VCA	Voluntary Clean-up Agreement
VOC	volatile organic compound

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9553 **Fax:** (518) 402-9577
Website: www.dec.ny.gov

RD

Peter M. Iwanowicz
Acting Commissioner

45-Day Reminder Notice: Site Management Periodic Review Report

John Conant
ABB INC.
5 Waterside Crossing
Windsor, CT 06095

December 30, 2010
Site Name: Former Taylor Instruments Facility
Site No.: V00144
Site Address: 95 AMES STREET
Rochester, NY 14611

J.F.C.

JAN 04 2011

Dear John Conant:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **March 16, 2011.**

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

The certification forms should be submitted in both paper and electronic formats. All supporting documentation (e.g., data, reports) should be submitted in electronic format only. These documents and electronic submissions should be sent to Frank Sowers, Project Manager.

New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414

Phone number: 585-226-5357. E-mail: flsowers@gw.dec.state.ny.us

Enclosures

ec: Frank Sowers, Project Manager
Michael Cruden, Bureau Director
Bart Putzig, Hazardous Waste Remediation Engineer, Region 8
Steven Bates, DOH

W/o enclosures

cc:

Abb, Inc. (Attn: John Conant)

Enclosure 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00144**

Site Name Former Taylor Instruments Facility

Site Address: 95 AMES STREET Zip Code: 14611
City/Town: Rochester
County: Monroe
Site Acreage: ~~17.0~~ 14.0

Reporting Period: February 14, 2010 to February 14, 2011

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☒	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. V00144 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
120.410-1-2	ABB, Inc. (Attn: John Conant)	Ground Water Use Restriction Landuse Restriction Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
120.410-1-2	Cover System ~~Pump & Treat~~ Vapor Mitigation

Decommissioned in August 2010 as approved by NYSDEC in a letter dated 6/29/2010.

Control Description for Site No. V00144

Parcel: 120.410-1-2

- Ground Water Use Restriction
- Landuse Restriction
- Soil Management Plan
- Cover System
- Vapor Mitigation (future buildings)
- ~~Pump & Treat - discontinued pending further evaluations~~
- Annual certification

Decommissioned in August 2010 as approved by NYSDEC in a letter dated 6/29/2010.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00144

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I John Conant (print name) at 5 Waterside Crossing, Windsor, CT 06095 (print business address),

am certifying as Combustion Engineering, Inc. (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner or Remedial Party Rendering Certification — Date: 2/25/11

IC/EC CERTIFICATIONS

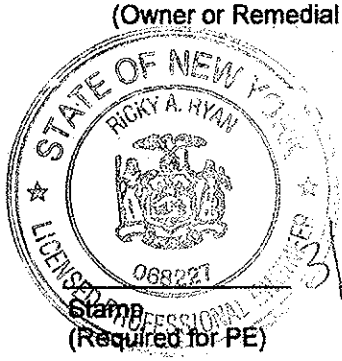
Box 7

Signature

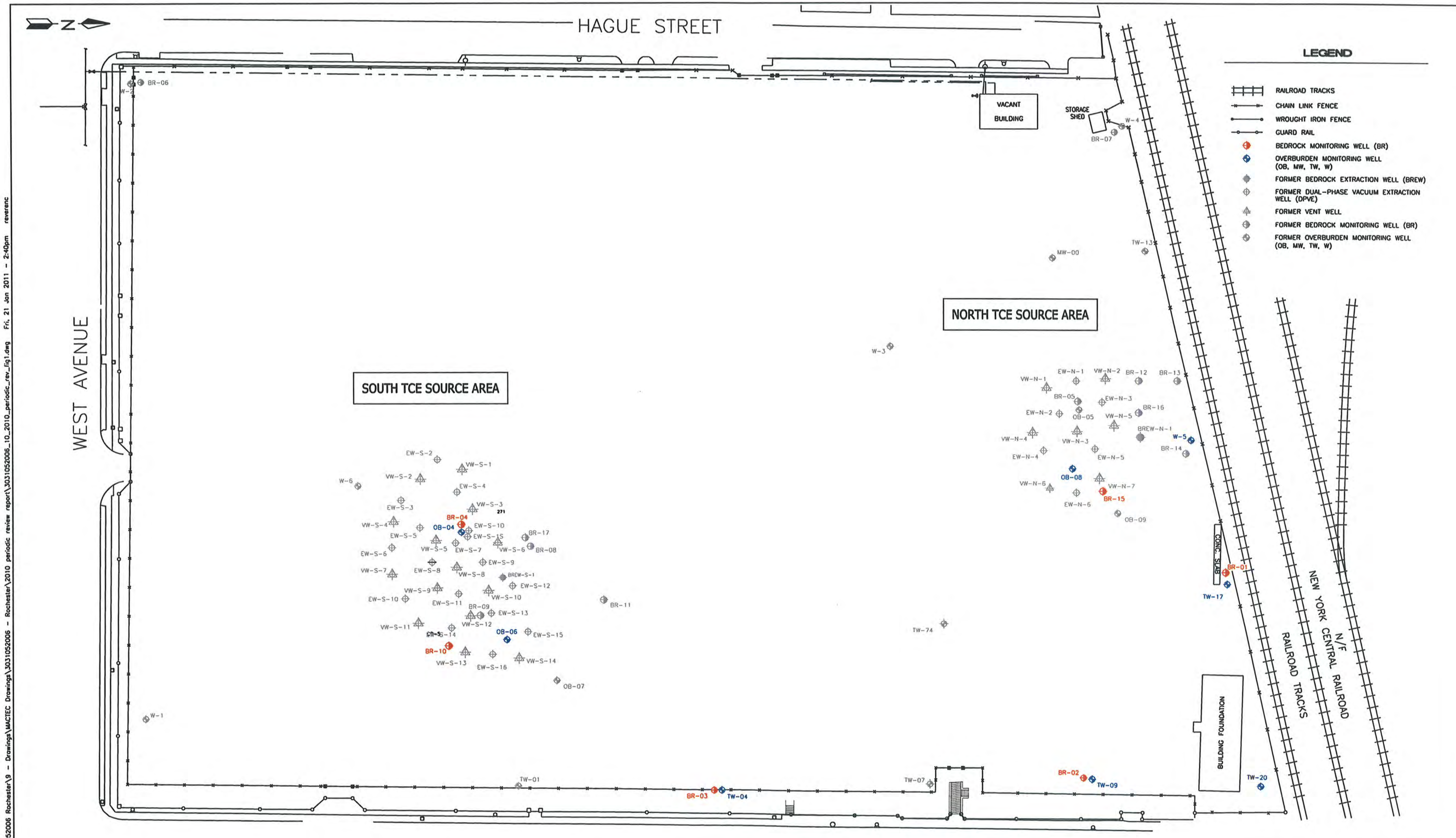
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Ricky A. Ryan (print name) at MACTEC Engineering and Consulting, Inc. (print business address),

am certifying as a for the Combustion Engineering, Inc. (Owner or Remedial Party)



Signature of , for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date: 3/11/2011



0 80'

SCALE: 1"=80'

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

MACTEC
Engineering and Consulting, Inc.
9725 Cogdill Road
Knoxville, TN 37932
(865) 588-8544

WELL LOCATIONS
2010 PERIODIC REVIEW REPORT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
PBE	3031052006	JD	07/22/08	01/21/11

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HAGUE STREET

WEST AVENUE

AMES STREET

VACANT BUILDING

STORAGE SHED

BUILDING FOUNDATION

NEW YORK CENTRAL RAILROAD
N/F
RAILROAD TRACKS

BR-04
OB-04
1A
1B
BR-10
OB-06
BR-03
TW-04
4
BR-02
TW-09
TW-20
2
OB-08
BR-15
W-5
3
BR-01
TW-17

LEGEND

- OVERBURDEN MONITORING WELL (OB, MW, TW, W)
- BEDROCK MONITORING WELL (BR)
- 3DME® INJECTION POINT
- ② 3DME® INJECTION AREA
- ESTIMATED GROUNDWATER FLOW DIRECTION
- Area 1: 12,170 s.f., Approximate 4'–19' Treatment Interval
- Area 2: 9,730 s.f., Approximate 9'–24' Treatment Interval
- Area 3: 7,636 s.f., Approximate 9'–24' Treatment Interval
- Area 4: 240 l.f., Approximate 7'–22' Treatment Interval

0 80'

SCALE: 1"=80'

3DME® = 3-D MICROEMULSION®

MACTEC
Engineering and Consulting, Inc.
9725 Cogdill Road
Knoxville, TN 37932
(865) 588-8544

3-D MICROEMULSION® INJECTION LAYOUT - AS IMPLEMENTED
2010 PERIODIC REVIEW REPORT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RSS	3031052006	JD	07/22/08	01/21/11

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N

HAGUE STREET

WEST AVENUE

VACANT BUILDING

STORAGE SHED

N/F NEW YORK CENTRAL RAILROAD TRACKS

CONC. SLAB

DAVENPORT MACHINE

BUILDING FOUNDATION

LEGEND

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

W-5

OB-08

BR-15

BR-04

OB-04

BR-10

OB-06

BR-01

TW-17

BR-03

TW-04

BR-02

TW-09

TW-20

0 80'

SCALE: 1"=80'

MACTEC
Engineering and Consulting, Inc.
9725 Cogdill Road
Knoxville, TN 37932
(865) 588-8544

MONITORING WELLS FOR POST CLOSURE MONITORING
2010 PERIODIC REVIEW REPORT
FORMER TAYLOR INSTRUMENTS SITE, ROCHESTER, NEW YORK

3

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
RDE	3031052006	JD	07/22/08	01/21/11

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APPENDIX C

TABLES

Table 1
Samples and Analysis

2010 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	05/11/10	X		Environmental Sample
BR-02	05/11/10	X		Environmental Sample
BR-03	05/11/10	X		Environmental Sample
BR-04	05/12/10	X		Environmental Sample
BR-05	05/12/10	X		Environmental Sample
BR-05 (MS)	05/12/10	X		Matrix Spike
BR-05 (MSD)	05/12/10	X		Matrix Spike Duplicate
BR-06	05/11/10	X		Environmental Sample
BR-07	05/11/10	X		Environmental Sample
BR-08	05/11/10	X		Environmental Sample
BR-09	05/11/10	X		Environmental Sample
BR-10	05/11/10	X		Environmental Sample
BR-11	05/11/10	X		Environmental Sample
BR-11 (DUP)	05/11/10	X		Duplicate
BR-15	05/12/10	X		Environmental Sample
BR-17	05/11/10	X		Environmental Sample
OB-04	05/12/10	X	X	Environmental Sample
OB-05	05/12/10	X		Environmental Sample
OB-06	05/11/10	X		Environmental Sample
OB-07	05/11/10	X		Environmental Sample
OB-07 (MS)	05/11/10	X		Matrix Spike
OB-07 (MSD)	05/11/10	X		Matrix Spike Duplicate
OB-08	05/12/10	X	X	Environmental Sample
OB-09	05/12/10	X		Environmental Sample
QAFB01	05/12/10	X		Field Blank
QAFB02	05/12/10	X		Field Blank
QARB01	05/12/10	X		Rinsate Blank
QARB02	05/12/10	X		Rinsate Blank
QATB01	05/12/10	X		Trip Blank
QATB02	05/12/10	X		Trip Blank
TW-04	05/11/10	X		Environmental Sample
TW-07	05/11/10	X		Environmental Sample
TW-09	05/12/10	X		Environmental Sample
TW-17	05/11/10	X		Environmental Sample
TW-20	05/11/10	X		Environmental Sample
W-5	05/12/10	X		Environmental Sample
W-5 (DUP)	05/12/10	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 by Method AM23G.

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

Prepared by C. Wolf on 10/6/2010

Checked by J. Deatherage on 11/29/2010

Table 2
Overburden Monitoring Wells with COCs Exceeding Class GA Standards – May 2010

2010 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

COC	Class GA Standard	Monitoring Well			
		OB-04	OB-06	OB-08	TW-04
PCE	5	1 U	1 U	1 U	1 U
TCE	5	**5.76**	**105**	1 U	**5.32**
cis-1,2-DCE	5	**5.69**	**10.5**	**30.5**	1 U
trans-1,2-DCE	5	1.77	1 U	3.44	1 U
1,1-DCE	5	1 U	1 U	1 U	1 U
Vinyl Chloride	2	**9.74**	1 U	**36**	1 U

COC	Class GA Standard	Monitoring Well			
		TW-09	TW-17	TW-20	W-5
PCE	5	1 U	1 U	1 U	1 U
TCE	5	**56.7**	**316**	**65.9**	**601**
cis-1,2-DCE	5	**12.8**	**10.6**	2.34	**164**
trans-1,2-DCE	5	**14.3**	1 U	1 U	2.08
1,1-DCE	5	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	**5.04**

All concentrations are in micrograms per liter.

Created by: KJD on 12/6/2010

Checked by: CRW on 1/18/2011

Notes: **Bold and shaded** values indicate detection exceeding GCTL.
--- = not sampled
COC = contaminants of concern
DCE = dichloroethene
PCE = tetrachloroethene
TCE = trichloroethene
U = not detected at practical quantitation limit

Table 3
Bedrock Monitoring Wells with COCs Exceeding Class GA Standards – May 2010

2010 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

COC	Class GA Standard	Monitoring Well					
		BR-01	**BR-02**	**BR-03**	**BR-04**	**BR-10**	**BR-15**
PCE	5	1 U	1 U	1 U	1 U	1.72	1 U
TCE	5	**9.23**	**821**	**270**	**325**	**277**	**167**
cis-1,2-DCE	5	**12.8**	**186**	3.15	**321**	**77.3**	**123**
trans-1,2-DCE	5	2.02	**21.9**	1 U	**11.7**	**14**	2.12
1,1-DCE	5	1 U	1.76	1 U	1.37	1 U	1 U
Vinyl Chloride	2	1 U	**2.25**	1 U	1 U	1 U	**3.11**

All concentrations are in micrograms per liter.

Created by: KJD on 12/6/2010

Checked by: CRW on 1/18/2011

Notes: **Bold and shaded** values indicate detection exceeding GCTL.
COC = contaminants of concern
DCE = dichloroethene
PCE = tetrachloroethene
TCE = trichloroethene
U = not detected at practical quantitation limit

APPENDIX D

HISTORICAL SUMMARY OF RESULTS

Table D-1
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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)
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-04[1]	05/12/10	5.76	5.69	1.77	--	9.74
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 D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-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-05	05/12/10	308	3.03	**--**	**--**	**--**
Abandoned in August 2010						
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	--	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-06	10/20/09	121	12.6	--	--	--
OB-06[1]	05/11/10	105	10.5	--	--	--
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-07	05/11/10	4.70	--	--	--	--
Abandoned in August 2010						
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	--	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
OB-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
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-08[1]	05/12/10	--	30.5	3.44	--	36.0
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	--	--	--
OB-09	05/12/10	77.2	1.61	--	--	--
Abandoned in August 2010						
TW-01[2]	10/24/00	--	--	--	--	--
Abandoned in August 2010						
TW-04	10/24/00	42	79	--	--	--
TW-04	03/22/01	14	16	--	--	--
TW-04	06/15/01	--	--	--	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 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-04	09/14/01	27	38	--	--	--
TW-04	12/13/01	51.1	19.4	--	--	--
TW-04	03/05/02	51	3.7	--	--	--
TW-04	06/04/02	20.7	--	--	--	--
TW-04	09/17/02	21.2	7.1	--	--	--
TW-04	12/04/02	42.5	5.5	--	--	--
TW-04	03/18/03	--	--	--	--	--
TW-04	06/10/03	19.3	--	--	--	--
TW-04	09/16/03	29.2	3.1	--	--	--
TW-04	12/09/03	49.8	1.1	--	--	--
TW-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-04[1]	05/11/10	5.32	--	--	--	--
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	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 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-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	--	--	--	--
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-07	05/11/10	3.05	--	--	--	--
Abandoned in August 2010						
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-09[1]	05/12/10	56.7	12.8	14.3	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-13	11/16/00	--	--	--	--	--
TW-13	03/20/01	--	--	--	--	--
TW-13	06/14/01	--	--	--	--	--
TW-13	09/12/01	--	--	--	--	--
TW-13	12/12/01	--	--	--	--	--
TW-13	03/08/02	--	--	--	--	--
TW-13	06/07/02	--	--	--	--	--
TW-13	09/19/02	--	--	--	--	--
TW-13[3]	12/06/02	--	--	--	--	--
Abandoned in August 2010						
TW-17	11/17/00	1,000	7.9 J	--	--	--
TW-17	03/23/01	530	--	--	--	--
TW-17	06/16/01	490	--	--	--	--
TW-17	09/14/01	740	--	--	--	--
TW-17	12/14/01	515	--	--	--	--
TW-17	03/05/02	339	--	--	--	--
TW-17	06/04/02	393	--	--	--	--
TW-17	09/18/02	666	--	--	--	--
TW-17	12/04/02	390	--	--	--	--
TW-17	03/18/03	379	--	--	--	--
TW-17	06/10/03	282	--	--	--	--
TW-17	09/16/03	435	--	--	--	--
TW-17	12/09/03	441	--	--	--	--
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-17[1]	05/11/10	316	10.6	--	--	--
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	--	--	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
TW-20	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	--	--	--	--
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	--	--	--
TW-20[1]	05/11/10	65.9	2.34	--	--	--
W-2[2]	10/21/00	--	--	--	--	--
W-2[4]	12/09/03	--	--	--	--	--
W-2	11/30/04	--	--	--	--	--
W-2[5]	12/01/05	--	--	--	--	--
Abandoned in August 2010						
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[3]	12/06/02	1	--	--	--	--
Abandoned in August 2010						
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	--	--	--

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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)
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	--	--
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	--	5.39 J
W-5 (DUP)	10/21/09	642	68.2	1.61	--	7.42
W-5[1]	05/12/10	601	164	2.08	--	5.04
W-5 (DUP)[1]	05/12/10	591	159	2.08	--	5.27

See notes at end of table.

Table D-1 (Continued)
Summary of Overburden VOC Results for the Baseline and 2001-2010 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-6	10/24/00	--	--	--	--	--
W-6[6]	03/01	NS	NS	NS	NS	NS
W-6[6]	06/01	NS	NS	NS	NS	NS
W-6	9/13/01	--	--	--	--	--
W-6	12/12/01	--	--	--	--	--
W-6	03/09/02	--	3	--	--	--
W-6	06/08/02	--	10.3	--	--	--
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[5]	12/03/05	--	1.76	--	--	--
Abandoned in August 2010						

[1] Not sampled in November 2010 due to recent 3DME® injection.

[2] Removed from sampling program based on recommendations made in the Quarterly Progress Report, First Quarter 2001 (MACTEC, 2001).

[3] 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).

[4] 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).

[5] Removed from sampling program based on recommendations made in the *2005 Annual Progress Report* (MACTEC, 2006).

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

Notes: -- = no detections
μg/L = micrograms per liter
3DMe® = 3-D Microemulsion®
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 10/6/10

Checked by J. Deatherage on 11/29/10

Table D-2
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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-01[1]	05/11/10	9.23	12.8	2.02	--	--
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	--	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-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
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-02[1]	05/11/10	821	186	21.9	1.76	2.25
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-03[1]	05/11/10	270	3.15	--	--	--
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	--	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 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)
BR-04	09/17/01	5,000	420	100 J	--	--
BR-04	12/17/01	5,700	430	79.9	9	27.4
BR-04	03/12/02	5,750	384	77	8.1	23.4
BR-04	06/10/02	4,570	338	49	--	--
BR-04	09/23/02	3,310	551	63.1	8.3	32.2
BR-04	12/09/02	5,300	535	77.6	8.3	27.1
BR-04	03/23/03	4,630	473	52	6.8	14.8
BR-04	06/13/03	302	1,280	19.5	3.6	1.2
BR-04	09/21/03	2,540	560	61	5.4	32.2
BR-04	12/14/03	3,650	507	51.9	6.2	14.3
BR-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-04[1]	05/12/10	325	321	11.7	1.37	--
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

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-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
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-05	05/12/10	46.9	178	11.8	--	10.2
Abandoned in August 2010						
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[2]	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-06	05/11/10	--	--	--	--	--
Abandoned in August 2010						
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

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

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Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-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
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-07	05/11/10	--	1.17	2.84	--	3.06
Abandoned in August 2010						
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

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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-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
BR-08 (Deep)	10/20/09	2.30	42.8	2.22	--	3.21
BR-08 (Deep)	05/11/10	1.15	29.3	1.21	--	2.00
Abandoned in August 2010						
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-09	05/11/10	3.04	8.93	--	--	--
Abandoned in August 2010						
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	--	--	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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-10	09/17/01	8,700	1,700	160 J	--	--
BR-10	12/16/01	5,350	1,200	82.8	3.4	5.6
BR-10	03/11/02	3,745	1,090	78.2	3.9	5.5
BR-10	06/09/02	5,100	1,290	64.6	4.7	5.3
BR-10	09/22/02	--	120	9.8	--	--
BR-10	12/09/02	3,060	750	60.1	2.3	--
BR-10	03/22/03	2,580	886	42.2	2.5	3.1
BR-10	06/13/03	2,950	1,080	61.7	3.2	5.1
BR-10	09/21/03	2,250	400	49.4	2	16.1
BR-10	12/13/03	1,420	442	36.4	1.4	8.8
BR-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-10[1]	05/11/10	277	77.3	14.0	--	--
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

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

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Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-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	--	--
BR-11(DUP)	10/20/09	23.7	81.6	8.47	--	--
BR-11	05/11/10	227	356	48.0	1.02	1.83
BR-11(DUP)	05/11/10	221	347	46.8	1.00	1.84
Abandoned in August 2010						
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	--	--	--
Abandoned in August 2010						
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	--	--	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

2010 Annual Progress Report
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Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
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	--	--	--	--	--
Abandoned in August 2010						
BR-14 (Deep)	11/19/00	--	1.2 J	--	--	--
BR-14 (Deep)	03/23/01	1.2 J	--	--	--	--
BR-14 (Deep)	06/16/01	--	--	--	--	--
BR-14 (Deep)	09/13/01	--	--	--	--	--
BR-14 (Deep)	12/14/01	2.2	--	--	--	--
BR-14 (Deep)	03/09/02	--	--	--	--	--
BR-14 (Deep)	06/08/02	--	--	--	--	--
BR-14 (Deep)	09/20/02	--	--	--	--	--
BR-14 (Deep)	12/07/02	--	--	--	--	--
BR-14 (Deep)	03/21/03	--	--	--	--	--
BR-14 (Deep)	06/12/03	--	--	--	--	--
BR-14 (Deep)	09/19/03	--	--	--	--	--
BR-14 (Deep)	12/12/03	148	17.6	--	--	--
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	--	--	--	--	--
Abandoned in August 2010						
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	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

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Former Taylor Instruments Site
Rochester, New York

Sample ID	Date Sampled	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1-DCE (µg/L)	Vinyl Chloride (µg/L)
BR-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-15[1]	05/12/10	167	123	2.12	--	3.11
BR-16	11/19/00	6.0	3.8 J	--	--	--
BR-16	03/25/01	1.2 J	--	--	--	--
BR-16	06/17/01	--	--	--	--	--
BR-16	09/15/01	--	--	--	--	--
BR-16	12/16/01	--	--	--	--	--
BR-16	03/10/02	--	--	--	--	--
BR-16	06/09/02	--	--	--	--	--
BR-16	09/21/02	--	--	--	--	--
BR-16[5]	12/08/02	--	--	--	--	--
Abandoned in August 2010						
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	--	--

See notes at end of table.

Table D-2 (Continued)
Summary of Bedrock VOC Results for the Baseline and 2001-2010 Sampling Events

2010 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-17	10/19/09	4.27	4.42	--	--	--
BR-17	05/11/10	24.8	226	44.8	1.50	8.95
Abandoned in August 2010						

[1] Not sampled in November 2010 due to recent 3DME® injection.

[2] 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).

[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).

[5] 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).

Notes: -- = no detections
3DMe® = 3-D Microemulsion®
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 10/6/10
Checked by J. Deatherage on 11/29/10

APPENDIX E

LABORATORY REPORTS

Client Name: Mactec
Contact: Joe Deatherage
Address: 9725 Cogdill Road
Knoxville, TN 37932

Page: Page 1 of 3
Lab Proj #: P1005214
Report Date: 05/20/10
Client Proj Name: Former Taylor Inst
Client Proj #: Rochester

Laboratory Results

Total pages in data package: 4

Lab Sample #	Client Sample ID
P1005214-01	OB-04
P1005214-02	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 (DH) ***Date:*** 5.20.10

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: FORMIC ALSO

Client Name: Mactec
Contact: Joe Deatherage
Address: 9725 Cogdill Road
Knoxville, TN 37932

Lab Proj #: P1005214
Report Date: 05/20/10
Client Proj Name: Former Taylor Inst
Client Proj #: Rochester

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
OB-04	Water	P1005214-01	12 May. 10 13:37	13 May. 10 12:06

Analyte(s)	Flag	Result	PQL	MDL	Units	Method #	Analysis Date	By
SemiVolatiles								
N Acetic Acid		150.000	7.000	0.600	mg/L	AM23G	5/18/10	kb
N Butyric Acid		4.700	0.05	0.004	mg/L	AM23G	5/17/10	kb
N Formic Acid		1.700	1.000	0.020	mg/L	AM23G	5/18/10	kb
N Lactic Acid	U	< 10.000	10.000	1.000	mg/L	AM23G	5/18/10	kb
N Propionic Acid		16.000	5.000	0.700	mg/L	AM23G	5/18/10	kb
N Pyruvic Acid		2.400	0.15	0.033	mg/L	AM23G	5/17/10	kb

Client Name: Mactec
Contact: Joe Deatherage
Address: 9725 Cogdill Road
Knoxville, TN 37932

Lab Proj #: P1005214
Report Date: 05/20/10
Client Proj Name: Former Taylor Inst
Client Proj #: Rochester

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
OB-08	Water	P1005214-02	12 May. 10 12:43	13 May. 10 12:06

Analyte(s)	Flag	Result	PQL	MDL	Units	Method #	Analysis Date	By
SemiVolatiles								
N Acetic Acid		0.160	0.070	0.006	mg/L	AM23G	5/17/10	kb
N Butyric Acid	U	< 0.050	0.050	0.004	mg/L	AM23G	5/17/10	kb
N Formic Acid	J	0.045	0.100	0.002	mg/L	AM23G	5/17/10	kb
N Lactic Acid	U	< 0.100	0.100	0.010	mg/L	AM23G	5/17/10	kb
N Propionic Acid		0.078	0.050	0.007	mg/L	AM23G	5/17/10	kb
N Pyruvic Acid	U	< 0.150	0.150	0.033	mg/L	AM23G	5/17/10	kb

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

January 20, 2011 4:00:24PM

Client: MACTEC Engineering & Consulting, Inc. (4997)
9725 Cogdill Rd.
Knoxville, TN 37932
Attn: Joe Deatherage

Work Order: NTE1121
Project Name: Former Taylor Instruments
Project Nbr: 3031-05-2006-09
P/O Nbr: 201001308
Date Received: 05/13/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
BR-06	NTE1121-01	05/11/10 10:45
BR-03	NTE1121-02	05/11/10 13:02
BR-08	NTE1121-03	05/11/10 14:29
BR-01	NTE1121-04	05/11/10 11:11
QARB-02	NTE1121-05	05/12/10 13:34
QATB-01	NTE1121-06	05/12/10 00:01
BR-05	NTE1121-07	05/12/10 11:19
BR-17	NTE1121-08	05/11/10 14:16
QARB-01	NTE1121-09	05/12/10 13:26
TW-07	NTE1121-10	05/11/10 12:16
TW-20	NTE1121-11	05/11/10 12:16
BR-09	NTE1121-12	05/11/10 16:30
BR-10	NTE1121-13	05/11/10 15:29
W-5 Dup	NTE1121-14	05/12/10 12:18
W-5	NTE1121-15	05/12/10 12:18
BR-11	NTE1121-16	05/11/10 16:45
BR-04	NTE1121-17	05/12/10 10:22
TW-04	NTE1121-18	05/11/10 12:59
TW-09	NTE1121-19	05/12/10 10:55
BR-02	NTE1121-20	05/11/10 11:45
QAFB-02	NTE1121-21	05/12/10 13:55
BR-11 DUP	NTE1121-22	05/11/10 16:45
OB-07	NTE1121-23	05/11/10 15:58
QAFB-01	NTE1121-24	05/12/10 13:19
OB-05	NTE1121-25	05/12/10 10:02
OB-09	NTE1121-26	05/12/10 09:22

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

BR-15	NTE1121-27	05/12/10 09:21
OB-06	NTE1121-28	05/11/10 15:13
BR-07	NTE1121-29	05/11/10 10:33
TW-17	NTE1121-30	05/11/10 11:45
OB-04	NTE1121-31	05/12/10 13:37
QATB02	NTE1121-32	05/12/10 00:01
OB-08	NTE1121-33	05/12/10 12:43

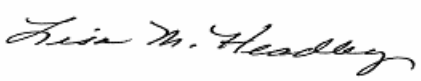
An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed,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

Additional Laboratory Comments:
Report revised 1/20/11 to remove the B1 qualifier from the analyte Trichloroethene, which was inappropriately applied in the original report. This final report supercedes the final report created on 5/25/10 17:48.

New York Certification Number: 11342

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

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

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-01 (BR-06 - Ground Water) Sampled: 05/11/10 10:45								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 23:41	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/20/10 23:41	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/20/10 23:41	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-01 (BR-06 - Ground Water) - cont. Sampled: 05/11/10 10:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 23:41	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 23:41	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/20/10 23:41	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Trichloroethene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 23:41	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/20/10 23:41	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*93 %*					*05/20/10 23:41*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 23:41*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*103 %*					*05/20/10 23:41*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*103 %*					*05/20/10 23:41*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-02 (BR-03 - Ground Water) Sampled: 05/11/10 13:02								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 00:08	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 00:08	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-02 (BR-03 - Ground Water) - cont. Sampled: 05/11/10 13:02

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**3.15**		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 00:08	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 00:08	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 00:08	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 00:08	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Trichloroethene	**270**		ug/L	10.0	10	05/21/10 14:51	SW846 8260B	10E3653
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-02 (BR-03 - Ground Water) - cont. Sampled: 05/11/10 13:02								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 00:08	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 00:08	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*95 %*					*05/21/10 00:08*	*SW846 8260B*	*10E3652*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*97 %*					*05/21/10 14:51*	*SW846 8260B*	*10E3653*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/21/10 00:08*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/21/10 14:51*	*SW846 8260B*	*10E3653*
Surr: Toluene-d8 (80-120%)	*103 %*					*05/21/10 00:08*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/21/10 14:51*	*SW846 8260B*	*10E3653*
Surr: 4-Bromofluorobenzene (79-125%)	*102 %*					*05/21/10 00:08*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*113 %*					*05/21/10 14:51*	*SW846 8260B*	*10E3653*
Sample ID: NTE1121-03 (BR-08 - Ground Water) Sampled: 05/11/10 14:29								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 12:10	SW846 8260B	10E3653
Benzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Bromobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Bromoform	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Bromomethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
2-Butanone	ND		ug/L	50.0	1	05/21/10 12:10	SW846 8260B	10E3653
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Chloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Chloroform	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Chloromethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Dibromomethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-03 (BR-08 - Ground Water) - cont. Sampled: 05/11/10 14:29								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
cis-1,2-Dichloroethene	**29.3**		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
trans-1,2-Dichloroethene	**1.21**		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
2-Hexanone	ND		ug/L	50.0	1	05/21/10 12:10	SW846 8260B	10E3653
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 12:10	SW846 8260B	10E3653
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 12:10	SW846 8260B	10E3653
Naphthalene	ND		ug/L	5.00	1	05/21/10 12:10	SW846 8260B	10E3653
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Styrene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Toluene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Trichloroethene	**1.15**		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Vinyl chloride	**2.00**		ug/L	1.00	1	05/21/10 12:10	SW846 8260B	10E3653
Xylenes, total	ND		ug/L	3.00	1	05/21/10 12:10	SW846 8260B	10E3653
Surr: 1,2-Dichloroethane-d4 (63-140%)	*94 %*					*05/21/10 12:10*	*SW846 8260B*	*10E3653*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/21/10 12:10*	*SW846 8260B*	*10E3653*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/21/10 12:10*	*SW846 8260B*	*10E3653*
Surr: 4-Bromofluorobenzene (79-125%)	*105 %*					*05/21/10 12:10*	*SW846 8260B*	*10E3653*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-04 (BR-01 - Ground Water) Sampled: 05/11/10 11:11								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 01:01	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 01:01	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**12.8**		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
trans-1,2-Dichloroethene	**2.02**		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 01:01	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-04 (BR-01 - Ground Water) - cont. Sampled: 05/11/10 11:11								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 01:01	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 01:01	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 01:01	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Trichloroethene	**9.23**		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 01:01	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 01:01	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*92 %*					*05/21/10 01:01*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*96 %*					*05/21/10 01:01*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/21/10 01:01*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*106 %*					*05/21/10 01:01*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-05 (QARB-02 - Ground Water) Sampled: 05/12/10 13:34								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 22:47	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/20/10 22:47	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-05 (QARB-02 - Ground Water) - cont. Sampled: 05/12/10 13:34

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/20/10 22:47	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 22:47	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 22:47	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/20/10 22:47	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Trichloroethene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-05 (QARB-02 - Ground Water) - cont. Sampled: 05/12/10 13:34								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 22:47	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/20/10 22:47	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*90 %*					*05/20/10 22:47*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*05/20/10 22:47*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*102 %*					*05/20/10 22:47*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*105 %*					*05/20/10 22:47*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-06 (QATB-01 - Ground Water) Sampled: 05/12/10 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 11:16	SW846 8260B	10E3653
Benzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Bromobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Bromoform	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Bromomethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
2-Butanone	ND		ug/L	50.0	1	05/21/10 11:16	SW846 8260B	10E3653
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Chloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Chloroform	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Chloromethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Dibromomethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-06 (QATB-01 - Ground Water) - cont. Sampled: 05/12/10 00:01								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
2-Hexanone	ND		ug/L	50.0	1	05/21/10 11:16	SW846 8260B	10E3653
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 11:16	SW846 8260B	10E3653
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 11:16	SW846 8260B	10E3653
Naphthalene	ND		ug/L	5.00	1	05/21/10 11:16	SW846 8260B	10E3653
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Styrene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Toluene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Trichloroethene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 11:16	SW846 8260B	10E3653
Xylenes, total	ND		ug/L	3.00	1	05/21/10 11:16	SW846 8260B	10E3653
Surr: 1,2-Dichloroethane-d4 (63-140%)	*95 %*					*05/21/10 11:16*	*SW846 8260B*	*10E3653*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/21/10 11:16*	*SW846 8260B*	*10E3653*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/21/10 11:16*	*SW846 8260B*	*10E3653*
Surr: 4-Bromofluorobenzene (79-125%)	*102 %*					*05/21/10 11:16*	*SW846 8260B*	*10E3653*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-07 (BR-05 - Ground Water) Sampled: 05/12/10 11:19								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 01:28	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 01:28	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**178**		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
trans-1,2-Dichloroethene	**11.8**		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 01:28	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-07 (BR-05 - Ground Water) - cont. Sampled: 05/12/10 11:19								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 01:28	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 01:28	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 01:28	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Trichloroethene	**46.9**		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Vinyl chloride	**10.2**		ug/L	1.00	1	05/21/10 01:28	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 01:28	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*94 %*					*05/21/10 01:28*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/21/10 01:28*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/21/10 01:28*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*101 %*					*05/21/10 01:28*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-08 (BR-17 - Ground Water) Sampled: 05/11/10 14:16								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 01:54	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 01:54	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-08 (BR-17 - Ground Water) - cont. Sampled: 05/11/10 14:16

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**226**		ug/L	10.0	10	05/21/10 14:24	SW846 8260B	10E3653
1,1-Dichloroethene	**1.50**		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
trans-1,2-Dichloroethene	**44.8**		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 01:54	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 01:54	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 01:54	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 01:54	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Trichloroethene	**24.8**		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-08 (BR-17 - Ground Water) - cont. Sampled: 05/11/10 14:16								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Vinyl chloride	**8.95**		ug/L	1.00	1	05/21/10 01:54	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 01:54	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*92 %*					*05/21/10 01:54*	*SW846 8260B*	*10E3652*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*96 %*					*05/21/10 14:24*	*SW846 8260B*	*10E3653*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/21/10 01:54*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/21/10 14:24*	*SW846 8260B*	*10E3653*
Surr: Toluene-d8 (80-120%)	*102 %*					*05/21/10 01:54*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*103 %*					*05/21/10 14:24*	*SW846 8260B*	*10E3653*
Surr: 4-Bromofluorobenzene (79-125%)	*107 %*					*05/21/10 01:54*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/21/10 14:24*	*SW846 8260B*	*10E3653*
Sample ID: NTE1121-09 (QARB-01 - Ground Water) Sampled: 05/12/10 13:26								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 23:14	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/20/10 23:14	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-09 (QARB-01 - Ground Water) - cont. Sampled: 05/12/10 13:26

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/20/10 23:14	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 23:14	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 23:14	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/20/10 23:14	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Trichloroethene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 23:14	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/20/10 23:14	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*93 %*					*05/20/10 23:14*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*05/20/10 23:14*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/20/10 23:14*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*101 %*					*05/20/10 23:14*	*SW846 8260B*	*10E3652*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-10 (TW-07 - Ground Water) Sampled: 05/11/10 12:16								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 02:21	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 02:21	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 02:21	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-10 (TW-07 - Ground Water) - cont. Sampled: 05/11/10 12:16								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 02:21	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 02:21	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 02:21	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Trichloroethene	**3.05**		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 02:21	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 02:21	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*95 %*					*05/21/10 02:21*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/21/10 02:21*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/21/10 02:21*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*102 %*					*05/21/10 02:21*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-11 (TW-20 - Ground Water) Sampled: 05/11/10 12:16								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 02:48	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 02:48	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-11 (TW-20 - Ground Water) - cont. Sampled: 05/11/10 12:16

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**2.34**		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 02:48	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 02:48	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 02:48	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 02:48	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Trichloroethene	**65.9**		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-11 (TW-20 - Ground Water) - cont. Sampled: 05/11/10 12:16								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 02:48	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 02:48	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*97 %*					*05/21/10 02:48*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/21/10 02:48*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/21/10 02:48*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*110 %*					*05/21/10 02:48*	*SW846 8260B*	*10E3652*
Sample ID: NTE1121-12 (BR-09 - Ground Water) Sampled: 05/11/10 16:30								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/21/10 03:14	SW846 8260B	10E3652
Benzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Bromobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Bromochloromethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Bromodichloromethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Bromoform	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Bromomethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
2-Butanone	ND		ug/L	50.0	1	05/21/10 03:14	SW846 8260B	10E3652
sec-Butylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
n-Butylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
tert-Butylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Carbon disulfide	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Carbon Tetrachloride	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Chlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Chlorodibromomethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Chloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Chloroform	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Chloromethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
2-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
4-Chlorotoluene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Dibromomethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1-Dichloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2-Dichloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
cis-1,2-Dichloroethene	**8.93**		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1-Dichloroethene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-12 (BR-09 - Ground Water) - cont. Sampled: 05/11/10 16:30								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
2,2-Dichloropropane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1-Dichloropropene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Ethylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Hexachlorobutadiene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
2-Hexanone	ND		ug/L	50.0	1	05/21/10 03:14	SW846 8260B	10E3652
Isopropylbenzene	ND	L	ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
p-Isopropyltoluene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Methylene Chloride	ND		ug/L	5.00	1	05/21/10 03:14	SW846 8260B	10E3652
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/21/10 03:14	SW846 8260B	10E3652
Naphthalene	ND		ug/L	5.00	1	05/21/10 03:14	SW846 8260B	10E3652
n-Propylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Styrene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Tetrachloroethene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Toluene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Trichloroethene	**3.04**		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Trichlorofluoromethane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Vinyl chloride	ND		ug/L	1.00	1	05/21/10 03:14	SW846 8260B	10E3652
Xylenes, total	ND		ug/L	3.00	1	05/21/10 03:14	SW846 8260B	10E3652
Surr: 1,2-Dichloroethane-d4 (63-140%)	*92 %*					*05/21/10 03:14*	*SW846 8260B*	*10E3652*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/21/10 03:14*	*SW846 8260B*	*10E3652*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/21/10 03:14*	*SW846 8260B*	*10E3652*
Surr: 4-Bromofluorobenzene (79-125%)	*104 %*					*05/21/10 03:14*	*SW846 8260B*	*10E3652*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-13 (BR-10 - Ground Water) Sampled: 05/11/10 15:29								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 00:17	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 00:17	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**77.3**		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**14.0**		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 00:17	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-13 (BR-10 - Ground Water) - cont. Sampled: 05/11/10 15:29								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 00:17	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 00:17	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 00:17	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Tetrachloroethene	**1.72**		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Trichloroethene	**277**		ug/L	5.00	5	05/20/10 14:54	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 00:17	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 00:17	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*101 %*					*05/20/10 00:17*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*104 %*					*05/20/10 14:54*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 00:17*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 14:54*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 00:17*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 14:54*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*101 %*					*05/20/10 00:17*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 14:54*	*SW846 8260B*	*10E4124*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-14 (W-5 Dup - Ground Water) Sampled: 05/12/10 12:18								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 00:44	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 00:44	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**159**		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**2.08**		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 00:44	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-14 (W-5 Dup - Ground Water) - cont. Sampled: 05/12/10 12:18								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 00:44	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 00:44	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 00:44	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Trichloroethene	**591**		ug/L	5.00	5	05/20/10 15:22	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Vinyl chloride	**5.27**		ug/L	1.00	1	05/20/10 00:44	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 00:44	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*101 %*					*05/20/10 00:44*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*105 %*					*05/20/10 15:22*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/20/10 00:44*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 15:22*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 00:44*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 15:22*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 00:44*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 15:22*	*SW846 8260B*	*10E4124*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-15 (W-5 - Ground Water) Sampled: 05/12/10 12:18								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 01:11	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 01:11	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**164**		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**2.08**		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 01:11	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-15 (W-5 - Ground Water) - cont. Sampled: 05/12/10 12:18								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 01:11	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 01:11	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 01:11	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Trichloroethene	**601**		ug/L	5.00	5	05/20/10 15:49	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Vinyl chloride	**5.04**		ug/L	1.00	1	05/20/10 01:11	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 01:11	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 01:11*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*104 %*					*05/20/10 15:49*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 01:11*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 15:49*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 01:11*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 15:49*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 01:11*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*98 %*					*05/20/10 15:49*	*SW846 8260B*	*10E4124*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-16 (BR-11 - Ground Water) Sampled: 05/11/10 16:45								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 01:39	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 01:39	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**356**		ug/L	5.00	5	05/20/10 16:17	SW846 8260B	10E4124
1,1-Dichloroethene	**1.02**		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**48.0**		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 01:39	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-16 (BR-11 - Ground Water) - cont. Sampled: 05/11/10 16:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 01:39	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 01:39	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 01:39	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Trichloroethene	**227**		ug/L	5.00	5	05/20/10 16:17	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Vinyl chloride	**1.83**		ug/L	1.00	1	05/20/10 01:39	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 01:39	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 01:39*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/20/10 16:17*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/20/10 01:39*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/20/10 16:17*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 01:39*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 16:17*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 01:39*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 16:17*	*SW846 8260B*	*10E4124*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-17 (BR-04 - Ground Water) Sampled: 05/12/10 10:22								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 02:06	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 02:06	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**321**		ug/L	5.00	5	05/20/10 16:44	SW846 8260B	10E4124
1,1-Dichloroethene	**1.37**		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**11.7**		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 02:06	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-17 (BR-04 - Ground Water) - cont. Sampled: 05/12/10 10:22								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 02:06	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 02:06	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 02:06	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Trichloroethene	**325**		ug/L	5.00	5	05/20/10 16:44	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 02:06	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 02:06	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/20/10 02:06*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/20/10 16:44*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/20/10 02:06*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/20/10 16:44*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 02:06*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 16:44*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 02:06*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 16:44*	*SW846 8260B*	*10E4124*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-18 (TW-04 - Ground Water) Sampled: 05/11/10 12:59

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Acetone	ND		ug/L	50.0	1	05/20/10 13:04	SW846 8260B	10E4124
Benzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Bromobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Bromoform	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Bromomethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
2-Butanone	ND		ug/L	50.0	1	05/20/10 13:04	SW846 8260B	10E4124
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Chloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Chloroform	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Chloromethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Dibromomethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
2-Hexanone	ND		ug/L	50.0	1	05/20/10 13:04	SW846 8260B	10E4124
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-18 (TW-04 - Ground Water) - cont. Sampled: 05/11/10 12:59								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 13:04	SW846 8260B	10E4124
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 13:04	SW846 8260B	10E4124
Naphthalene	ND		ug/L	5.00	1	05/20/10 13:04	SW846 8260B	10E4124
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Styrene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Toluene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Trichloroethene	**5.32**		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 13:04	SW846 8260B	10E4124
Xylenes, total	ND		ug/L	3.00	1	05/20/10 13:04	SW846 8260B	10E4124
Surr: 1,2-Dichloroethane-d4 (63-140%)	*104 %*					*05/20/10 13:04*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 13:04*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 13:04*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 13:04*	*SW846 8260B*	*10E4124*
Sample ID: NTE1121-19 (TW-09 - Ground Water) Sampled: 05/12/10 10:55								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 03:00	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 03:00	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-19 (TW-09 - Ground Water) - cont. Sampled: 05/12/10 10:55

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**12.8**		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**14.3**		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 03:00	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 03:00	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 03:00	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 03:00	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Trichloroethene	**56.7**		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-19 (TW-09 - Ground Water) - cont. Sampled: 05/12/10 10:55								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 03:00	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 03:00	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 03:00*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 03:00*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 03:00*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*98 %*					*05/20/10 03:00*	*SW846 8260B*	*10E4076*
Sample ID: NTE1121-20 (BR-02 - Ground Water) Sampled: 05/11/10 11:45								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 03:28	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 03:28	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**186**		ug/L	10.0	10	05/20/10 17:12	SW846 8260B	10E4124
1,1-Dichloroethene	**1.76**		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**21.9**		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-20 (BR-02 - Ground Water) - cont. Sampled: 05/11/10 11:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 03:28	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 03:28	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 03:28	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 03:28	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Trichloroethene	**821**	M7	ug/L	10.0	10	05/20/10 17:12	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Vinyl chloride	**2.25**		ug/L	1.00	1	05/20/10 03:28	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 03:28	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 03:28*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/20/10 17:12*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 03:28*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 17:12*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 03:28*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 17:12*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 03:28*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 17:12*	*SW846 8260B*	*10E4124*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-21 (QAFB-02 - Ground Water) Sampled: 05/12/10 13:55

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Acetone	ND		ug/L	50.0	1	05/20/10 03:55	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 03:55	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 03:55	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-21 (QAFB-02 - Ground Water) - cont. Sampled: 05/12/10 13:55								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 03:55	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 03:55	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 03:55	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Trichloroethene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 03:55	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 03:55	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*101 %*					*05/20/10 03:55*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/20/10 03:55*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 03:55*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 03:55*	*SW846 8260B*	*10E4076*
Sample ID: NTE1121-22 (BR-11 DUP - Ground Water) Sampled: 05/11/10 16:45								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 04:22	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 04:22	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-22 (BR-11 DUP - Ground Water) - cont. Sampled: 05/11/10 16:45

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroform	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
cis-1,2-Dichloroethene	**347**		ug/L	5.00	5	05/20/10 17:39	SW846 8260B	10E4124
1,1-Dichloroethene	**1.00**		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
trans-1,2-Dichloroethene	**46.8**		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 04:22	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 04:22	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 04:22	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 04:22	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Trichloroethene	**221**		ug/L	5.00	5	05/20/10 17:39	SW846 8260B	10E4124
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-22 (BR-11 DUP - Ground Water) - cont. Sampled: 05/11/10 16:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Vinyl chloride	**1.84**		ug/L	1.00	1	05/20/10 04:22	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 04:22	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*101 %*					*05/20/10 04:22*	*SW846 8260B*	*10E4076*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/20/10 17:39*	*SW846 8260B*	*10E4124*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/20/10 04:22*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/20/10 17:39*	*SW846 8260B*	*10E4124*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 04:22*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*100 %*					*05/20/10 17:39*	*SW846 8260B*	*10E4124*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/20/10 04:22*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*98 %*					*05/20/10 17:39*	*SW846 8260B*	*10E4124*
Sample ID: NTE1121-23 (OB-07 - Ground Water) Sampled: 05/11/10 15:58								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 04:49	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 04:49	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-23 (OB-07 - Ground Water) - cont. Sampled: 05/11/10 15:58								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 04:49	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 04:49	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 04:49	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 04:49	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Trichloroethene	**4.70**		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 04:49	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 04:49	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 04:49*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/20/10 04:49*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*98 %*					*05/20/10 04:49*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 04:49*	*SW846 8260B*	*10E4076*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-24 (QAFB-01 - Ground Water) Sampled: 05/12/10 13:19								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/20/10 05:17	SW846 8260B	10E4076
Benzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Bromobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Bromochloromethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Bromodichloromethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Bromoform	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Bromomethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
2-Butanone	ND		ug/L	50.0	1	05/20/10 05:17	SW846 8260B	10E4076
sec-Butylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
n-Butylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
tert-Butylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Carbon disulfide	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Carbon Tetrachloride	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Chlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Chlorodibromomethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Chloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Chloroform	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Chloromethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
2-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
4-Chlorotoluene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Dibromomethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1-Dichloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2-Dichloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1-Dichloroethene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,3-Dichloropropane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
2,2-Dichloropropane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1-Dichloropropene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Ethylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Hexachlorobutadiene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
2-Hexanone	ND		ug/L	50.0	1	05/20/10 05:17	SW846 8260B	10E4076
Isopropylbenzene	ND	L	ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
p-Isopropyltoluene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-24 (QAFB-01 - Ground Water) - cont. Sampled: 05/12/10 13:19								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Methylene Chloride	ND		ug/L	5.00	1	05/20/10 05:17	SW846 8260B	10E4076
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/20/10 05:17	SW846 8260B	10E4076
Naphthalene	ND		ug/L	5.00	1	05/20/10 05:17	SW846 8260B	10E4076
n-Propylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Styrene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Tetrachloroethene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Toluene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Trichloroethene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Trichlorofluoromethane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Vinyl chloride	ND		ug/L	1.00	1	05/20/10 05:17	SW846 8260B	10E4076
Xylenes, total	ND		ug/L	3.00	1	05/20/10 05:17	SW846 8260B	10E4076
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/20/10 05:17*	*SW846 8260B*	*10E4076*
Surr: Dibromofluoromethane (73-131%)	*98 %*					*05/20/10 05:17*	*SW846 8260B*	*10E4076*
Surr: Toluene-d8 (80-120%)	*99 %*					*05/20/10 05:17*	*SW846 8260B*	*10E4076*
Surr: 4-Bromofluorobenzene (79-125%)	*100 %*					*05/20/10 05:17*	*SW846 8260B*	*10E4076*
Sample ID: NTE1121-25 (OB-05 - Ground Water) Sampled: 05/12/10 10:02								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/17/10 15:07	SW846 8260B	10E2791
Benzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Bromobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Bromochloromethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Bromodichloromethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Bromoform	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Bromomethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
2-Butanone	ND		ug/L	50.0	1	05/17/10 15:07	SW846 8260B	10E2791
sec-Butylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
n-Butylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
tert-Butylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Carbon disulfide	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Carbon Tetrachloride	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Chlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Chlorodibromomethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Chloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-25 (OB-05 - Ground Water) - cont. Sampled: 05/12/10 10:02								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Chloromethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
2-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
4-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Dibromomethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1-Dichloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2-Dichloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
cis-1,2-Dichloroethene	**3.03**		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1-Dichloroethene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,3-Dichloropropane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
2,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1-Dichloropropene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Ethylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Hexachlorobutadiene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
2-Hexanone	ND		ug/L	50.0	1	05/17/10 15:07	SW846 8260B	10E2791
Isopropylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
p-Isopropyltoluene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Methylene Chloride	ND		ug/L	5.00	1	05/17/10 15:07	SW846 8260B	10E2791
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/17/10 15:07	SW846 8260B	10E2791
Naphthalene	ND		ug/L	5.00	1	05/17/10 15:07	SW846 8260B	10E2791
n-Propylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Styrene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Tetrachloroethene	**1.19**		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Toluene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Trichloroethene	**308**		ug/L	10.0	10	05/19/10 06:27	SW846 8260B	10E3300
Trichlorofluoromethane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-25 (OB-05 - Ground Water) - cont. Sampled: 05/12/10 10:02								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Vinyl chloride	ND		ug/L	1.00	1	05/17/10 15:07	SW846 8260B	10E2791
Xylenes, total	ND		ug/L	3.00	1	05/17/10 15:07	SW846 8260B	10E2791
Surr: 1,2-Dichloroethane-d4 (63-140%)	*93 %*					*05/17/10 15:07*	*SW846 8260B*	*10E2791*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*87 %*					*05/19/10 06:27*	*SW846 8260B*	*10E3300*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*05/17/10 15:07*	*SW846 8260B*	*10E2791*
Surr: Dibromofluoromethane (73-131%)	*93 %*					*05/19/10 06:27*	*SW846 8260B*	*10E3300*
Surr: Toluene-d8 (80-120%)	*105 %*					*05/17/10 15:07*	*SW846 8260B*	*10E2791*
Surr: Toluene-d8 (80-120%)	*106 %*					*05/19/10 06:27*	*SW846 8260B*	*10E3300*
Surr: 4-Bromofluorobenzene (79-125%)	*93 %*					*05/17/10 15:07*	*SW846 8260B*	*10E2791*
Surr: 4-Bromofluorobenzene (79-125%)	*98 %*					*05/19/10 06:27*	*SW846 8260B*	*10E3300*
Sample ID: NTE1121-26 (OB-09 - Ground Water) Sampled: 05/12/10 09:22								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/19/10 21:15	SW846 8260B	10E2254
Benzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Bromobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Bromochloromethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Bromodichloromethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Bromoform	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Bromomethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
2-Butanone	ND		ug/L	50.0	1	05/19/10 21:15	SW846 8260B	10E2254
sec-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
n-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
tert-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Carbon disulfide	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Carbon Tetrachloride	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Chlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Chlorodibromomethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Chloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Chloroform	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Chloromethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
2-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
4-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Dibromomethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1-Dichloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-26 (OB-09 - Ground Water) - cont. Sampled: 05/12/10 09:22								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2-Dichloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
cis-1,2-Dichloroethene	**1.61**		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1-Dichloroethene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,3-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
2,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Ethylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Hexachlorobutadiene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
2-Hexanone	ND		ug/L	50.0	1	05/19/10 21:15	SW846 8260B	10E2254
Isopropylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
p-Isopropyltoluene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Methylene Chloride	ND		ug/L	5.00	1	05/19/10 21:15	SW846 8260B	10E2254
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/19/10 21:15	SW846 8260B	10E2254
Naphthalene	ND		ug/L	5.00	1	05/19/10 21:15	SW846 8260B	10E2254
n-Propylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Styrene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Tetrachloroethene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Toluene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Trichloroethene	**77.2**		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Trichlorofluoromethane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Vinyl chloride	ND		ug/L	1.00	1	05/19/10 21:15	SW846 8260B	10E2254
Xylenes, total	ND		ug/L	3.00	1	05/19/10 21:15	SW846 8260B	10E2254
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/19/10 21:15*	*SW846 8260B*	*10E2254*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/19/10 21:15*	*SW846 8260B*	*10E2254*
Surr: Toluene-d8 (80-120%)	*109 %*					*05/19/10 21:15*	*SW846 8260B*	*10E2254*
Surr: 4-Bromofluorobenzene (79-125%)	*99 %*					*05/19/10 21:15*	*SW846 8260B*	*10E2254*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-27 (BR-15 - Ground Water) Sampled: 05/12/10 09:21								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/19/10 21:42	SW846 8260B	10E2254
Benzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Bromobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Bromochloromethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Bromodichloromethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Bromoform	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Bromomethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
2-Butanone	ND		ug/L	50.0	1	05/19/10 21:42	SW846 8260B	10E2254
sec-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
n-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
tert-Butylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Carbon disulfide	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Carbon Tetrachloride	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Chlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Chlorodibromomethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Chloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Chloroform	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Chloromethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
2-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
4-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Dibromomethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1-Dichloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2-Dichloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
cis-1,2-Dichloroethene	**123**		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1-Dichloroethene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
trans-1,2-Dichloroethene	**2.12**		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,3-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
2,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1-Dichloropropene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Ethylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Hexachlorobutadiene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
2-Hexanone	ND		ug/L	50.0	1	05/19/10 21:42	SW846 8260B	10E2254
Isopropylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
p-Isopropyltoluene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-27 (BR-15 - Ground Water) - cont. Sampled: 05/12/10 09:21								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Methylene Chloride	ND		ug/L	5.00	1	05/19/10 21:42	SW846 8260B	10E2254
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/19/10 21:42	SW846 8260B	10E2254
Naphthalene	ND		ug/L	5.00	1	05/19/10 21:42	SW846 8260B	10E2254
n-Propylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Styrene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Tetrachloroethene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Toluene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Trichloroethene	**167**		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Trichlorofluoromethane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Vinyl chloride	**3.11**		ug/L	1.00	1	05/19/10 21:42	SW846 8260B	10E2254
Xylenes, total	ND		ug/L	3.00	1	05/19/10 21:42	SW846 8260B	10E2254
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/19/10 21:42*	*SW846 8260B*	*10E2254*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/19/10 21:42*	*SW846 8260B*	*10E2254*
Surr: Toluene-d8 (80-120%)	*109 %*					*05/19/10 21:42*	*SW846 8260B*	*10E2254*
Surr: 4-Bromofluorobenzene (79-125%)	*97 %*					*05/19/10 21:42*	*SW846 8260B*	*10E2254*
Sample ID: NTE1121-28 (OB-06 - Ground Water) Sampled: 05/11/10 15:13								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/19/10 22:09	SW846 8260B	10E2254
Benzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Bromobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Bromochloromethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Bromodichloromethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Bromoform	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Bromomethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
2-Butanone	ND		ug/L	50.0	1	05/19/10 22:09	SW846 8260B	10E2254
sec-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
n-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
tert-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Carbon disulfide	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Carbon Tetrachloride	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Chlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Chlorodibromomethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Chloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-28 (OB-06 - Ground Water) - cont. Sampled: 05/11/10 15:13								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Chloroform	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Chloromethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
2-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
4-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Dibromomethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1-Dichloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2-Dichloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
cis-1,2-Dichloroethene	**10.5**		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1-Dichloroethene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,3-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
2,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Ethylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Hexachlorobutadiene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
2-Hexanone	ND		ug/L	50.0	1	05/19/10 22:09	SW846 8260B	10E2254
Isopropylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
p-Isopropyltoluene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Methylene Chloride	ND		ug/L	5.00	1	05/19/10 22:09	SW846 8260B	10E2254
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/19/10 22:09	SW846 8260B	10E2254
Naphthalene	ND		ug/L	5.00	1	05/19/10 22:09	SW846 8260B	10E2254
n-Propylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Styrene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Tetrachloroethene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Toluene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Trichloroethene	**105**		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Trichlorofluoromethane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-28 (OB-06 - Ground Water) - cont. Sampled: 05/11/10 15:13								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Vinyl chloride	ND		ug/L	1.00	1	05/19/10 22:09	SW846 8260B	10E2254
Xylenes, total	ND		ug/L	3.00	1	05/19/10 22:09	SW846 8260B	10E2254
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/19/10 22:09*	*SW846 8260B*	*10E2254*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*05/19/10 22:09*	*SW846 8260B*	*10E2254*
Surr: Toluene-d8 (80-120%)	*110 %*					*05/19/10 22:09*	*SW846 8260B*	*10E2254*
Surr: 4-Bromofluorobenzene (79-125%)	*97 %*					*05/19/10 22:09*	*SW846 8260B*	*10E2254*
Sample ID: NTE1121-29 (BR-07 - Ground Water) Sampled: 05/11/10 10:33								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/19/10 22:36	SW846 8260B	10E2254
Benzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Bromobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Bromochloromethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Bromodichloromethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Bromoform	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Bromomethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
2-Butanone	ND		ug/L	50.0	1	05/19/10 22:36	SW846 8260B	10E2254
sec-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
n-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
tert-Butylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Carbon disulfide	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Carbon Tetrachloride	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Chlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Chlorodibromomethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Chloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Chloroform	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Chloromethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
2-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
4-Chlorotoluene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Dibromomethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1-Dichloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2-Dichloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
cis-1,2-Dichloroethene	**1.17**		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1-Dichloroethene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
trans-1,2-Dichloroethene	**2.84**		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-29 (BR-07 - Ground Water) - cont. Sampled: 05/11/10 10:33								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,3-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
2,2-Dichloropropane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1-Dichloropropene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Ethylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Hexachlorobutadiene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
2-Hexanone	ND		ug/L	50.0	1	05/19/10 22:36	SW846 8260B	10E2254
Isopropylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
p-Isopropyltoluene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Methylene Chloride	ND		ug/L	5.00	1	05/19/10 22:36	SW846 8260B	10E2254
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/19/10 22:36	SW846 8260B	10E2254
Naphthalene	ND		ug/L	5.00	1	05/19/10 22:36	SW846 8260B	10E2254
n-Propylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Styrene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Tetrachloroethene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Toluene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Trichloroethene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Trichlorofluoromethane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Vinyl chloride	**3.06**		ug/L	1.00	1	05/19/10 22:36	SW846 8260B	10E2254
Xylenes, total	ND		ug/L	3.00	1	05/19/10 22:36	SW846 8260B	10E2254
Surr: 1,2-Dichloroethane-d4 (63-140%)	*102 %*					*05/19/10 22:36*	*SW846 8260B*	*10E2254*
Surr: Dibromofluoromethane (73-131%)	*101 %*					*05/19/10 22:36*	*SW846 8260B*	*10E2254*
Surr: Toluene-d8 (80-120%)	*110 %*					*05/19/10 22:36*	*SW846 8260B*	*10E2254*
Surr: 4-Bromofluorobenzene (79-125%)	*98 %*					*05/19/10 22:36*	*SW846 8260B*	*10E2254*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-30 (TW-17 - Ground Water) Sampled: 05/11/10 11:45								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/17/10 17:21	SW846 8260B	10E2791
Benzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Bromobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Bromochloromethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Bromodichloromethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Bromoform	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Bromomethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
2-Butanone	ND		ug/L	50.0	1	05/17/10 17:21	SW846 8260B	10E2791
sec-Butylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
n-Butylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
tert-Butylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Carbon disulfide	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Carbon Tetrachloride	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Chlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Chlorodibromomethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Chloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Chloroform	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Chloromethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
2-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
4-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Dibromomethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1-Dichloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2-Dichloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
cis-1,2-Dichloroethene	**10.6**		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1-Dichloroethene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,3-Dichloropropane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
2,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1-Dichloropropene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Ethylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Hexachlorobutadiene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
2-Hexanone	ND		ug/L	50.0	1	05/17/10 17:21	SW846 8260B	10E2791
Isopropylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
p-Isopropyltoluene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-30 (TW-17 - Ground Water) - cont. Sampled: 05/11/10 11:45								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Methylene Chloride	ND		ug/L	5.00	1	05/17/10 17:21	SW846 8260B	10E2791
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/17/10 17:21	SW846 8260B	10E2791
Naphthalene	ND		ug/L	5.00	1	05/17/10 17:21	SW846 8260B	10E2791
n-Propylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Styrene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Tetrachloroethene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Toluene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Trichloroethene	**316**		ug/L	10.0	10	05/19/10 06:53	SW846 8260B	10E3300
Trichlorofluoromethane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Vinyl chloride	ND		ug/L	1.00	1	05/17/10 17:21	SW846 8260B	10E2791
Xylenes, total	ND		ug/L	3.00	1	05/17/10 17:21	SW846 8260B	10E2791
Surr: 1,2-Dichloroethane-d4 (63-140%)	*92 %*					*05/17/10 17:21*	*SW846 8260B*	*10E2791*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*85 %*					*05/19/10 06:53*	*SW846 8260B*	*10E3300*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*05/17/10 17:21*	*SW846 8260B*	*10E2791*
Surr: Dibromofluoromethane (73-131%)	*93 %*					*05/19/10 06:53*	*SW846 8260B*	*10E3300*
Surr: Toluene-d8 (80-120%)	*107 %*					*05/17/10 17:21*	*SW846 8260B*	*10E2791*
Surr: Toluene-d8 (80-120%)	*106 %*					*05/19/10 06:53*	*SW846 8260B*	*10E3300*
Surr: 4-Bromofluorobenzene (79-125%)	*92 %*					*05/17/10 17:21*	*SW846 8260B*	*10E2791*
Surr: 4-Bromofluorobenzene (79-125%)	*96 %*					*05/19/10 06:53*	*SW846 8260B*	*10E3300*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-31 (OB-04 - Ground Water) Sampled: 05/12/10 13:37								
General Chemistry Parameters								
Carbon Dioxide	**243**	HTI	mg/L	5.00	1	05/13/10 11:12	SM 4500CO2 C	10E2087
Total Organic Carbon	**76.8**		mg/L	2.50	2.5	05/21/10 14:20	SM5310 B	10E3678
Methane, Ethane, and Ethene by GC								
Ethene	**558**		ug/L	26.0	1	05/20/10 14:24	RSK 175 M	10E2142
Methane	**25300**		ug/L	130	5	05/20/10 16:02	RSK 175 M	10E2142
Surr: Acetylene (70-122%)	*98 %*					*05/20/10 14:24*	*RSK 175 M*	*10E2142*
Surr: Acetylene (70-122%)	*98 %*					*05/20/10 14:24*	*RSK 175 M*	*10E2142*
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/18/10 14:48	SW846 8260B	10E3273
Benzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Bromobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Bromochloromethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Bromodichloromethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Bromoform	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Bromomethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
2-Butanone	ND		ug/L	50.0	1	05/18/10 14:48	SW846 8260B	10E3273
sec-Butylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
n-Butylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
tert-Butylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Carbon disulfide	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Carbon Tetrachloride	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Chlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Chlorodibromomethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Chloroethane	**2.52**		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Chloroform	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Chloromethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
2-Chlorotoluene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
4-Chlorotoluene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Dibromomethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1-Dichloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2-Dichloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
cis-1,2-Dichloroethene	**5.69**		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1-Dichloroethene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
trans-1,2-Dichloroethene	**1.77**		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,3-Dichloropropane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2-Dichloropropane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-31 (OB-04 - Ground Water) - cont. Sampled: 05/12/10 13:37								
Volatile Organic Compounds by EPA Method 8260B - cont.								
2,2-Dichloropropane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1-Dichloropropene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Ethylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Hexachlorobutadiene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
2-Hexanone	ND		ug/L	50.0	1	05/18/10 14:48	SW846 8260B	10E3273
Isopropylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
p-Isopropyltoluene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Methylene Chloride	ND		ug/L	5.00	1	05/18/10 14:48	SW846 8260B	10E3273
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/18/10 14:48	SW846 8260B	10E3273
Naphthalene	ND		ug/L	5.00	1	05/18/10 14:48	SW846 8260B	10E3273
n-Propylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Styrene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Tetrachloroethene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Toluene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Trichloroethene	**5.76**		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Trichlorofluoromethane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Vinyl chloride	**9.74**		ug/L	1.00	1	05/18/10 14:48	SW846 8260B	10E3273
Xylenes, total	ND		ug/L	3.00	1	05/18/10 14:48	SW846 8260B	10E3273
Surr: 1,2-Dichloroethane-d4 (63-140%)	*103 %*					*05/18/10 14:48*	*SW846 8260B*	*10E3273*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*05/18/10 14:48*	*SW846 8260B*	*10E3273*
Surr: Toluene-d8 (80-120%)	*101 %*					*05/18/10 14:48*	*SW846 8260B*	*10E3273*
Surr: 4-Bromofluorobenzene (79-125%)	*88 %*					*05/18/10 14:48*	*SW846 8260B*	*10E3273*

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-32 (QATB02 - Ground Water) Sampled: 05/12/10 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/17/10 14:40	SW846 8260B	10E2791
Benzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Bromobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Bromochloromethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Bromodichloromethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Bromoform	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Bromomethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
2-Butanone	ND		ug/L	50.0	1	05/17/10 14:40	SW846 8260B	10E2791
sec-Butylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
n-Butylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
tert-Butylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Carbon disulfide	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Carbon Tetrachloride	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Chlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Chlorodibromomethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Chloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Chloroform	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Chloromethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
2-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
4-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Dibromomethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1-Dichloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2-Dichloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
cis-1,2-Dichloroethene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1-Dichloroethene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
trans-1,2-Dichloroethene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,3-Dichloropropane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
2,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1-Dichloropropene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Ethylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Hexachlorobutadiene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
2-Hexanone	ND		ug/L	50.0	1	05/17/10 14:40	SW846 8260B	10E2791
Isopropylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
p-Isopropyltoluene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-32 (QATB02 - Ground Water) - cont. Sampled: 05/12/10 00:01								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Methylene Chloride	ND		ug/L	5.00	1	05/17/10 14:40	SW846 8260B	10E2791
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/17/10 14:40	SW846 8260B	10E2791
Naphthalene	ND		ug/L	5.00	1	05/17/10 14:40	SW846 8260B	10E2791
n-Propylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Styrene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Tetrachloroethene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Toluene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Trichloroethene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Trichlorofluoromethane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Vinyl chloride	ND		ug/L	1.00	1	05/17/10 14:40	SW846 8260B	10E2791
Xylenes, total	ND		ug/L	3.00	1	05/17/10 14:40	SW846 8260B	10E2791
Surr: 1,2-Dichloroethane-d4 (63-140%)	*92 %*					*05/17/10 14:40*	*SW846 8260B*	*10E2791*
Surr: Dibromofluoromethane (73-131%)	*96 %*					*05/17/10 14:40*	*SW846 8260B*	*10E2791*
Surr: Toluene-d8 (80-120%)	*104 %*					*05/17/10 14:40*	*SW846 8260B*	*10E2791*
Surr: 4-Bromofluorobenzene (79-125%)	*93 %*					*05/17/10 14:40*	*SW846 8260B*	*10E2791*
Sample ID: NTE1121-33 (OB-08 - Ground Water) Sampled: 05/12/10 12:43								
General Chemistry Parameters								
Carbon Dioxide	**5.60**	HTI	mg/L	5.00	1	05/13/10 11:12	SM 4500CO2 C	10E2087
Total Organic Carbon	**2.60**		mg/L	1.00	1	05/21/10 14:20	SM5310 B	10E3678
Methane, Ethane, and Ethene by GC								
Ethene	**62.0**		ug/L	26.0	1	05/20/10 14:28	RSK 175 M	10E2142
Methane	**2760**		ug/L	26.0	1	05/20/10 14:28	RSK 175 M	10E2142
Surr: Acetylene (70-122%)	*100 %*					*05/20/10 14:28*	*RSK 175 M*	*10E2142*
Surr: Acetylene (70-122%)	*100 %*					*05/20/10 14:28*	*RSK 175 M*	*10E2142*
Volatile Organic Compounds by EPA Method 8260B								
Acetone	ND		ug/L	50.0	1	05/17/10 18:15	SW846 8260B	10E2791
Benzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Bromobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Bromochloromethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Bromodichloromethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Bromoform	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Bromomethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Sample ID: NTE1121-33 (OB-08 - Ground Water) - cont. Sampled: 05/12/10 12:43

Volatile Organic Compounds by EPA Method 8260B - cont.

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
2-Butanone	ND		ug/L	50.0	1	05/17/10 18:15	SW846 8260B	10E2791
sec-Butylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
n-Butylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
tert-Butylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Carbon disulfide	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Carbon Tetrachloride	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Chlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Chlorodibromomethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Chloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Chloroform	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Chloromethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
2-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
4-Chlorotoluene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2-Dibromo-3-chloropropane	ND		ug/L	5.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2-Dibromoethane (EDB)	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Dibromomethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,4-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,3-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2-Dichlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Dichlorodifluoromethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1-Dichloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2-Dichloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
cis-1,2-Dichloroethene	**30.5**		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1-Dichloroethene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
trans-1,2-Dichloroethene	**3.44**		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,3-Dichloropropane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
2,2-Dichloropropane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
cis-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
trans-1,3-Dichloropropene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1-Dichloropropene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Ethylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Hexachlorobutadiene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
2-Hexanone	ND		ug/L	50.0	1	05/17/10 18:15	SW846 8260B	10E2791
Isopropylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
p-Isopropyltoluene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Methylene Chloride	ND		ug/L	5.00	1	05/17/10 18:15	SW846 8260B	10E2791
4-Methyl-2-pentanone	ND		ug/L	10.0	1	05/17/10 18:15	SW846 8260B	10E2791
Naphthalene	ND		ug/L	5.00	1	05/17/10 18:15	SW846 8260B	10E2791
n-Propylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Styrene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTE1121-33 (OB-08 - Ground Water) - cont. Sampled: 05/12/10 12:43								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Tetrachloroethene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Toluene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2,3-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2,4-Trichlorobenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1,2-Trichloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,1,1-Trichloroethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Trichloroethene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Trichlorofluoromethane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2,3-Trichloropropane	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,3,5-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
1,2,4-Trimethylbenzene	ND		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Vinyl chloride	**36.0**		ug/L	1.00	1	05/17/10 18:15	SW846 8260B	10E2791
Xylenes, total	ND		ug/L	3.00	1	05/17/10 18:15	SW846 8260B	10E2791
Surr: 1,2-Dichloroethane-d4 (63-140%)	*91 %*					*05/17/10 18:15*	*SW846 8260B*	*10E2791*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*05/17/10 18:15*	*SW846 8260B*	*10E2791*
Surr: Toluene-d8 (80-120%)	*105 %*					*05/17/10 18:15*	*SW846 8260B*	*10E2791*
Surr: 4-Bromofluorobenzene (79-125%)	*92 %*					*05/17/10 18:15*	*SW846 8260B*	*10E2791*

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Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
10E2087-BLK1						
Carbon Dioxide	3.00		mg/L	10E2087	10E2087-BLK1	05/13/10 11:12
10E3678-BLK1						
Total Organic Carbon	<0.500		mg/L	10E3678	10E3678-BLK1	05/21/10 14:20
Methane, Ethane, and Ethene by GC						
10E2142-BLK1						
Ethene	<10.0		ug/L	10E2142	10E2142-BLK1	05/20/10 13:28
Methane	<10.0		ug/L	10E2142	10E2142-BLK1	05/20/10 13:28
Surrogate: Acetylene	99%			10E2142	10E2142-BLK1	05/20/10 13:28
Surrogate: Acetylene	99%			10E2142	10E2142-BLK1	05/20/10 13:28
Volatile Organic Compounds by EPA Method 8260B						
10E2254-BLK1						
Acetone	<25.0		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Benzene	<0.410		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Bromobenzene	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Bromochloromethane	<0.470		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Bromodichloromethane	<0.270		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Bromoform	<0.430		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Bromomethane	<0.300		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
2-Butanone	<2.10		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
sec-Butylbenzene	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
n-Butylbenzene	<0.310		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
tert-Butylbenzene	<0.380		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Carbon disulfide	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Carbon Tetrachloride	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Chlorobenzene	<0.220		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Chlorodibromomethane	<0.260		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Chloroethane	<0.460		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Chloroform	<0.250		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Chloromethane	<0.390		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
2-Chlorotoluene	<0.510		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
4-Chlorotoluene	<0.510		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Dibromomethane	<0.410		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,4-Dichlorobenzene	<0.430		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,3-Dichlorobenzene	<0.320		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2-Dichlorobenzene	<0.400		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Dichlorodifluoromethane	<0.190		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E2254-BLK1						
1,1-Dichloroethane	<0.340		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2-Dichloroethane	<0.350		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
cis-1,2-Dichloroethene	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1-Dichloroethene	<0.220		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
trans-1,2-Dichloroethene	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,3-Dichloropropane	<0.270		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2-Dichloropropane	<0.240		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
2,2-Dichloropropane	<0.300		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
cis-1,3-Dichloropropene	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
trans-1,3-Dichloropropene	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1-Dichloropropene	<0.260		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Ethylbenzene	<0.350		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Hexachlorobutadiene	0.910		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
2-Hexanone	<1.40		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Isopropylbenzene	<0.400		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
p-Isopropyltoluene	<0.330		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Methyl tert-Butyl Ether	<0.320		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Methylene Chloride	<0.480		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
4-Methyl-2-pentanone	<1.40		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Naphthalene	<0.380		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
n-Propylbenzene	<0.390		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Styrene	<0.260		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Tetrachloroethene	<0.320		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Toluene	<0.350		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2,3-Trichlorobenzene	<0.270		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2,4-Trichlorobenzene	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1,2-Trichloroethane	<0.320		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,1,1-Trichloroethane	<0.190		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Trichloroethene	<0.260		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Trichlorofluoromethane	<0.220		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2,3-Trichloropropane	<0.470		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,3,5-Trimethylbenzene	<0.360		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
1,2,4-Trimethylbenzene	<0.320		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Vinyl chloride	<0.220		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Xylenes, total	<0.730		ug/L	10E2254	10E2254-BLK1	05/19/10 19:55
Surrogate: 1,2-Dichloroethane-d4	101%			10E2254	10E2254-BLK1	05/19/10 19:55
Surrogate: Dibromofluoromethane	99%			10E2254	10E2254-BLK1	05/19/10 19:55
Surrogate: Toluene-d8	108%			10E2254	10E2254-BLK1	05/19/10 19:55
Surrogate: 4-Bromofluorobenzene	100%			10E2254	10E2254-BLK1	05/19/10 19:55

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Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E2791-BLK1						
Acetone	<25.0		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Benzene	<0.410		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Bromobenzene	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Bromochloromethane	<0.470		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Bromodichloromethane	<0.270		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Bromoform	<0.430		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Bromomethane	<0.300		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
2-Butanone	<2.10		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
sec-Butylbenzene	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
n-Butylbenzene	<0.310		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
tert-Butylbenzene	<0.380		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Carbon disulfide	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Carbon Tetrachloride	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Chlorobenzene	<0.220		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Chlorodibromomethane	<0.260		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Chloroethane	<0.460		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Chloroform	<0.250		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Chloromethane	<0.390		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
2-Chlorotoluene	<0.510		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
4-Chlorotoluene	<0.510		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Dibromomethane	<0.410		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,4-Dichlorobenzene	<0.430		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,3-Dichlorobenzene	<0.320		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2-Dichlorobenzene	<0.400		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Dichlorodifluoromethane	<0.190		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1-Dichloroethane	<0.340		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2-Dichloroethane	<0.350		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
cis-1,2-Dichloroethene	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1-Dichloroethene	<0.220		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
trans-1,2-Dichloroethene	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,3-Dichloropropane	<0.270		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2-Dichloropropane	<0.240		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
2,2-Dichloropropane	<0.300		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
cis-1,3-Dichloropropene	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
trans-1,3-Dichloropropene	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1-Dichloropropene	<0.260		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Ethylbenzene	<0.350		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Hexachlorobutadiene	<0.790		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
2-Hexanone	<1.40		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E2791-BLK1						
Isopropylbenzene	<0.400		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
p-Isopropyltoluene	<0.330		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Methyl tert-Butyl Ether	<0.320		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Methylene Chloride	<0.480		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
4-Methyl-2-pentanone	<1.40		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Naphthalene	<0.380		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
n-Propylbenzene	<0.390		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Styrene	<0.260		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Tetrachloroethene	<0.320		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Toluene	<0.350		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2,3-Trichlorobenzene	<0.270		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2,4-Trichlorobenzene	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1,2-Trichloroethane	<0.320		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,1,1-Trichloroethane	<0.190		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Trichloroethene	<0.260		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Trichlorofluoromethane	<0.220		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2,3-Trichloropropane	<0.470		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,3,5-Trimethylbenzene	<0.360		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
1,2,4-Trimethylbenzene	<0.320		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Vinyl chloride	<0.220		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Xylenes, total	<0.730		ug/L	10E2791	10E2791-BLK1	05/17/10 13:19
Surrogate: 1,2-Dichloroethane-d4	92%			10E2791	10E2791-BLK1	05/17/10 13:19
Surrogate: Dibromofluoromethane	96%			10E2791	10E2791-BLK1	05/17/10 13:19
Surrogate: Toluene-d8	104%			10E2791	10E2791-BLK1	05/17/10 13:19
Surrogate: 4-Bromofluorobenzene	94%			10E2791	10E2791-BLK1	05/17/10 13:19
10E3273-BLK1						
Acetone	<25.0		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Benzene	<0.410		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Bromobenzene	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Bromochloromethane	<0.470		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Bromodichloromethane	<0.270		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Bromoform	<0.430		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Bromomethane	<0.300		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
2-Butanone	<2.10		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
sec-Butylbenzene	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
n-Butylbenzene	<0.310		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
tert-Butylbenzene	<0.380		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Carbon disulfide	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54

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Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3273-BLK1						
Carbon Tetrachloride	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Chlorobenzene	<0.220		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Chlorodibromomethane	<0.260		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Chloroethane	<0.460		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Chloroform	<0.250		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Chloromethane	<0.390		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
2-Chlorotoluene	<0.510		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
4-Chlorotoluene	<0.510		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Dibromomethane	<0.410		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,4-Dichlorobenzene	<0.430		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,3-Dichlorobenzene	<0.320		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2-Dichlorobenzene	<0.400		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Dichlorodifluoromethane	<0.190		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1-Dichloroethane	<0.340		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2-Dichloroethane	<0.350		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
cis-1,2-Dichloroethene	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1-Dichloroethene	<0.220		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
trans-1,2-Dichloroethene	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,3-Dichloropropane	<0.270		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2-Dichloropropane	<0.240		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
2,2-Dichloropropane	<0.300		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
cis-1,3-Dichloropropene	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
trans-1,3-Dichloropropene	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1-Dichloropropene	<0.260		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Ethylbenzene	<0.350		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Hexachlorobutadiene	<0.790		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
2-Hexanone	<1.40		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Isopropylbenzene	<0.400		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
p-Isopropyltoluene	<0.330		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Methyl tert-Butyl Ether	<0.320		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Methylene Chloride	<0.480		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
4-Methyl-2-pentanone	<1.40		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Naphthalene	<0.380		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
n-Propylbenzene	<0.390		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Styrene	<0.260		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Tetrachloroethene	<0.320		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Toluene	<0.350		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3273-BLK1						
1,2,3-Trichlorobenzene	<0.270		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2,4-Trichlorobenzene	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1,2-Trichloroethane	<0.320		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,1,1-Trichloroethane	<0.190		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Trichloroethene	<0.260		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Trichlorofluoromethane	<0.220		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2,3-Trichloropropane	<0.470		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,3,5-Trimethylbenzene	<0.360		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
1,2,4-Trimethylbenzene	<0.320		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Vinyl chloride	<0.220		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Xylenes, total	<0.730		ug/L	10E3273	10E3273-BLK1	05/18/10 13:54
Surrogate: 1,2-Dichloroethane-d4	102%			10E3273	10E3273-BLK1	05/18/10 13:54
Surrogate: Dibromofluoromethane	100%			10E3273	10E3273-BLK1	05/18/10 13:54
Surrogate: Toluene-d8	108%			10E3273	10E3273-BLK1	05/18/10 13:54
Surrogate: 4-Bromofluorobenzene	92%			10E3273	10E3273-BLK1	05/18/10 13:54
10E3300-BLK1						
Acetone	<25.0		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Benzene	<0.410		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Bromobenzene	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Bromochloromethane	<0.470		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Bromodichloromethane	<0.270		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Bromoform	<0.430		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Bromomethane	<0.300		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
2-Butanone	<2.10		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
sec-Butylbenzene	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
n-Butylbenzene	<0.310		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
tert-Butylbenzene	<0.380		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Carbon disulfide	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Carbon Tetrachloride	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Chlorobenzene	<0.220		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Chlorodibromomethane	<0.260		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Chloroethane	<0.460		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Chloroform	<0.250		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Chloromethane	<0.390		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
2-Chlorotoluene	<0.510		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
4-Chlorotoluene	<0.510		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Dibromomethane	<0.410		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,4-Dichlorobenzene	<0.430		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3300-BLK1						
1,3-Dichlorobenzene	<0.320		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2-Dichlorobenzene	<0.400		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Dichlorodifluoromethane	<0.190		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1-Dichloroethane	<0.340		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2-Dichloroethane	<0.350		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
cis-1,2-Dichloroethene	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1-Dichloroethene	<0.220		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
trans-1,2-Dichloroethene	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,3-Dichloropropane	<0.270		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2-Dichloropropane	<0.240		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
2,2-Dichloropropane	<0.300		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
cis-1,3-Dichloropropene	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
trans-1,3-Dichloropropene	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1-Dichloropropene	<0.260		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Ethylbenzene	<0.350		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Hexachlorobutadiene	<0.790		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
2-Hexanone	<1.40		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Isopropylbenzene	<0.400		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
p-Isopropyltoluene	<0.330		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Methyl tert-Butyl Ether	<0.320		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Methylene Chloride	<0.480		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
4-Methyl-2-pentanone	<1.40		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Naphthalene	<0.380		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
n-Propylbenzene	<0.390		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Styrene	<0.260		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Tetrachloroethene	<0.320		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Toluene	<0.350		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2,3-Trichlorobenzene	<0.270		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2,4-Trichlorobenzene	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1,2-Trichloroethane	<0.320		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,1,1-Trichloroethane	<0.190		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Trichloroethene	<0.260		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Trichlorofluoromethane	<0.220		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2,3-Trichloropropane	<0.470		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,3,5-Trimethylbenzene	<0.360		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
1,2,4-Trimethylbenzene	<0.320		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Vinyl chloride	<0.220		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Xylenes, total	<0.730		ug/L	10E3300	10E3300-BLK1	05/19/10 02:52
Surrogate: 1,2-Dichloroethane-d4	86%			10E3300	10E3300-BLK1	05/19/10 02:52

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3300-BLK1						
Surrogate: Dibromofluoromethane	93%			10E3300	10E3300-BLK1	05/19/10 02:52
Surrogate: Toluene-d8	102%			10E3300	10E3300-BLK1	05/19/10 02:52
Surrogate: 4-Bromofluorobenzene	100%			10E3300	10E3300-BLK1	05/19/10 02:52
10E3652-BLK1						
Acetone	<25.0		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Benzene	<0.410		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Bromobenzene	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Bromochloromethane	<0.470		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Bromodichloromethane	<0.270		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Bromoform	<0.430		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Bromomethane	<0.300		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
2-Butanone	<2.10		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
sec-Butylbenzene	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
n-Butylbenzene	<0.310		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
tert-Butylbenzene	<0.380		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Carbon disulfide	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Carbon Tetrachloride	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Chlorobenzene	<0.220		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Chlorodibromomethane	<0.260		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Chloroethane	<0.460		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Chloroform	<0.250		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Chloromethane	<0.390		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
2-Chlorotoluene	<0.510		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
4-Chlorotoluene	<0.510		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Dibromomethane	<0.410		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,4-Dichlorobenzene	<0.430		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,3-Dichlorobenzene	<0.320		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2-Dichlorobenzene	<0.400		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Dichlorodifluoromethane	<0.190		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1-Dichloroethane	<0.340		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2-Dichloroethane	<0.350		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
cis-1,2-Dichloroethene	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1-Dichloroethene	<0.220		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
trans-1,2-Dichloroethene	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,3-Dichloropropane	<0.270		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2-Dichloropropane	<0.240		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
2,2-Dichloropropane	<0.300		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
cis-1,3-Dichloropropene	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3652-BLK1						
trans-1,3-Dichloropropene	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1-Dichloropropene	<0.260		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Ethylbenzene	<0.350		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Hexachlorobutadiene	<0.790		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
2-Hexanone	<1.40		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Isopropylbenzene	<0.400		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
p-Isopropyltoluene	<0.330		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Methyl tert-Butyl Ether	<0.320		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Methylene Chloride	0.500		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
4-Methyl-2-pentanone	<1.40		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Naphthalene	<0.380		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
n-Propylbenzene	<0.390		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Styrene	<0.260		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Tetrachloroethene	<0.320		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Toluene	<0.350		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2,3-Trichlorobenzene	<0.270		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2,4-Trichlorobenzene	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1,2-Trichloroethane	<0.320		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,1,1-Trichloroethane	<0.190		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Trichloroethene	<0.260		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Trichlorofluoromethane	<0.220		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2,3-Trichloropropane	<0.470		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,3,5-Trimethylbenzene	<0.360		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
1,2,4-Trimethylbenzene	<0.320		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Vinyl chloride	<0.220		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Xylenes, total	<0.730		ug/L	10E3652	10E3652-BLK1	05/20/10 22:20
Surrogate: 1,2-Dichloroethane-d4	92%			10E3652	10E3652-BLK1	05/20/10 22:20
Surrogate: Dibromofluoromethane	97%			10E3652	10E3652-BLK1	05/20/10 22:20
Surrogate: Toluene-d8	103%			10E3652	10E3652-BLK1	05/20/10 22:20
Surrogate: 4-Bromofluorobenzene	102%			10E3652	10E3652-BLK1	05/20/10 22:20
10E3653-BLK1						
Acetone	<25.0		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Benzene	<0.410		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Bromobenzene	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Bromochloromethane	<0.470		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Bromodichloromethane	<0.270		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Bromoform	<0.430		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Bromomethane	<0.300		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3653-BLK1						
2-Butanone	<2.10		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
sec-Butylbenzene	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
n-Butylbenzene	<0.310		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
tert-Butylbenzene	<0.380		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Carbon disulfide	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Carbon Tetrachloride	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Chlorobenzene	<0.220		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Chlorodibromomethane	<0.260		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Chloroethane	<0.460		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Chloroform	<0.250		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Chloromethane	<0.390		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
2-Chlorotoluene	<0.510		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
4-Chlorotoluene	<0.510		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Dibromomethane	<0.410		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,4-Dichlorobenzene	<0.430		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,3-Dichlorobenzene	<0.320		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2-Dichlorobenzene	<0.400		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Dichlorodifluoromethane	<0.190		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1-Dichloroethane	<0.340		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2-Dichloroethane	<0.350		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
cis-1,2-Dichloroethene	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1-Dichloroethene	<0.220		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
trans-1,2-Dichloroethene	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,3-Dichloropropane	<0.270		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2-Dichloropropane	<0.240		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
2,2-Dichloropropane	<0.300		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
cis-1,3-Dichloropropene	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
trans-1,3-Dichloropropene	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1-Dichloropropene	<0.260		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Ethylbenzene	<0.350		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Hexachlorobutadiene	<0.790		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
2-Hexanone	<1.40		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Isopropylbenzene	<0.400		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
p-Isopropyltoluene	<0.330		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Methyl tert-Butyl Ether	<0.320		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Methylene Chloride	<0.480		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
4-Methyl-2-pentanone	<1.40		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Naphthalene	<0.380		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
n-Propylbenzene	<0.390		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E3653-BLK1						
Styrene	<0.260		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Tetrachloroethene	<0.320		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Toluene	<0.350		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2,3-Trichlorobenzene	<0.270		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2,4-Trichlorobenzene	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1,2-Trichloroethane	<0.320		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,1,1-Trichloroethane	<0.190		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Trichloroethene	<0.260		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Trichlorofluoromethane	<0.220		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2,3-Trichloropropane	<0.470		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,3,5-Trimethylbenzene	<0.360		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
1,2,4-Trimethylbenzene	<0.320		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Vinyl chloride	<0.220		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Xylenes, total	<0.730		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Diisopropyl Ether	<0.410		ug/L	10E3653	10E3653-BLK1	05/21/10 09:56
Surrogate: 1,2-Dichloroethane-d4	95%			10E3653	10E3653-BLK1	05/21/10 09:56
Surrogate: Dibromofluoromethane	100%			10E3653	10E3653-BLK1	05/21/10 09:56
Surrogate: Toluene-d8	103%			10E3653	10E3653-BLK1	05/21/10 09:56
Surrogate: 4-Bromofluorobenzene	103%			10E3653	10E3653-BLK1	05/21/10 09:56
10E4076-BLK1						
Acetone	<25.0		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Benzene	<0.410		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Bromobenzene	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Bromochloromethane	<0.470		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Bromodichloromethane	<0.270		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Bromoform	<0.430		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Bromomethane	<0.300		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
2-Butanone	<2.10		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
sec-Butylbenzene	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
n-Butylbenzene	<0.310		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
tert-Butylbenzene	<0.380		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Carbon disulfide	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Carbon Tetrachloride	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Chlorobenzene	<0.220		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Chlorodibromomethane	<0.260		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Chloroethane	<0.460		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Chloroform	<0.250		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Chloromethane	<0.390		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E4076-BLK1						
2-Chlorotoluene	<0.510		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
4-Chlorotoluene	<0.510		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Dibromomethane	<0.410		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,4-Dichlorobenzene	<0.430		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,3-Dichlorobenzene	<0.320		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2-Dichlorobenzene	<0.400		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Dichlorodifluoromethane	<0.190		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1-Dichloroethane	<0.340		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2-Dichloroethane	<0.350		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
cis-1,2-Dichloroethene	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1-Dichloroethene	<0.220		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
trans-1,2-Dichloroethene	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,3-Dichloropropane	<0.270		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2-Dichloropropane	<0.240		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
2,2-Dichloropropane	<0.300		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
cis-1,3-Dichloropropene	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
trans-1,3-Dichloropropene	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1-Dichloropropene	<0.260		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Ethylbenzene	<0.350		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Hexachlorobutadiene	<0.790		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
2-Hexanone	<1.40		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Isopropylbenzene	<0.400		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
p-Isopropyltoluene	<0.330		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Methyl tert-Butyl Ether	<0.320		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Methylene Chloride	<0.480		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
4-Methyl-2-pentanone	<1.40		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Naphthalene	<0.380		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
n-Propylbenzene	<0.390		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Styrene	<0.260		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Tetrachloroethene	<0.320		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Toluene	<0.350		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2,3-Trichlorobenzene	<0.270		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2,4-Trichlorobenzene	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1,2-Trichloroethane	<0.320		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,1,1-Trichloroethane	<0.190		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Trichloroethene	<0.260		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Trichlorofluoromethane	<0.220		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E4076-BLK1						
1,2,3-Trichloropropane	<0.470		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,3,5-Trimethylbenzene	<0.360		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
1,2,4-Trimethylbenzene	<0.320		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Vinyl chloride	<0.220		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Xylenes, total	<0.730		ug/L	10E4076	10E4076-BLK1	05/19/10 23:49
Surrogate: 1,2-Dichloroethane-d4	100%			10E4076	10E4076-BLK1	05/19/10 23:49
Surrogate: Dibromofluoromethane	97%			10E4076	10E4076-BLK1	05/19/10 23:49
Surrogate: Toluene-d8	99%			10E4076	10E4076-BLK1	05/19/10 23:49
Surrogate: 4-Bromofluorobenzene	99%			10E4076	10E4076-BLK1	05/19/10 23:49
10E4124-BLK1						
Acetone	<25.0		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Benzene	<0.410		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Bromobenzene	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Bromochloromethane	<0.470		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Bromodichloromethane	<0.270		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Bromoform	<0.430		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Bromomethane	<0.300		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
2-Butanone	<2.10		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
sec-Butylbenzene	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
n-Butylbenzene	<0.310		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
tert-Butylbenzene	<0.380		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Carbon disulfide	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Carbon Tetrachloride	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Chlorobenzene	<0.220		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Chlorodibromomethane	<0.260		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Chloroethane	<0.460		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Chloroform	<0.250		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Chloromethane	<0.390		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
2-Chlorotoluene	<0.510		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
4-Chlorotoluene	<0.510		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2-Dibromo-3-chloropropane	<0.860		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2-Dibromoethane (EDB)	<0.460		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Dibromomethane	<0.410		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,4-Dichlorobenzene	<0.430		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,3-Dichlorobenzene	<0.320		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2-Dichlorobenzene	<0.400		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Dichlorodifluoromethane	<0.190		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1-Dichloroethane	<0.340		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2-Dichloroethane	<0.350		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
cis-1,2-Dichloroethene	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35

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Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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						
10E4124-BLK1						
1,1-Dichloroethene	<0.220		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
trans-1,2-Dichloroethene	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,3-Dichloropropane	<0.270		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2-Dichloropropane	<0.240		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
2,2-Dichloropropane	<0.300		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
cis-1,3-Dichloropropene	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
trans-1,3-Dichloropropene	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1-Dichloropropene	<0.260		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Ethylbenzene	<0.350		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Hexachlorobutadiene	<0.790		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
2-Hexanone	<1.40		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Isopropylbenzene	<0.400		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
p-Isopropyltoluene	<0.330		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Methyl tert-Butyl Ether	<0.320		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Methylene Chloride	<0.480		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
4-Methyl-2-pentanone	<1.40		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Naphthalene	<0.380		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
n-Propylbenzene	<0.390		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Styrene	<0.260		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1,1,2-Tetrachloroethane	<0.200		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1,2,2-Tetrachloroethane	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Tetrachloroethene	<0.320		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Toluene	<0.350		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2,3-Trichlorobenzene	<0.270		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2,4-Trichlorobenzene	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1,2-Trichloroethane	<0.320		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,1,1-Trichloroethane	<0.190		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Trichloroethene	0.520		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Trichlorofluoromethane	<0.220		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2,3-Trichloropropane	<0.470		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,3,5-Trimethylbenzene	<0.360		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
1,2,4-Trimethylbenzene	<0.320		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Vinyl chloride	<0.220		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Xylenes, total	<0.730		ug/L	10E4124	10E4124-BLK1	05/20/10 12:35
Surrogate: 1,2-Dichloroethane-d4	101%			10E4124	10E4124-BLK1	05/20/10 12:35
Surrogate: Dibromofluoromethane	97%			10E4124	10E4124-BLK1	05/20/10 12:35
Surrogate: Toluene-d8	99%			10E4124	10E4124-BLK1	05/20/10 12:35
Surrogate: 4-Bromofluorobenzene	100%			10E4124	10E4124-BLK1	05/20/10 12:35

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Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E2087-DUP1										
Carbon Dioxide	87.5	84.0		mg/L	4	20	10E2087	NTE1119-01		05/13/10 11:12
10E3678-DUP1										
Total Organic Carbon	32.5	32.5		mg/L	0.1	20	10E3678	NTE1224-09		05/21/10 14:20

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
10E3678-BS1								
Total Organic Carbon	10.0	10.2		mg/L	102%	90 - 110	10E3678	05/21/10 14:20
Methane, Ethane, and Ethene by GC								
10E2142-BS1								
Ethene	2340	2230		ug/L	95%	80 - 120	10E2142	05/20/10 13:33
Methane	1330	1340		ug/L	101%	80 - 120	10E2142	05/20/10 13:33
Surrogate: Acetylene	2160	2210			102%	70 - 122	10E2142	05/20/10 13:33
Surrogate: Acetylene	2160	2210			102%	70 - 122	10E2142	05/20/10 13:33
Volatile Organic Compounds by EPA Method 8260B								
10E2254-BS1								
Acetone	250	236		ug/L	94%	56 - 150	10E2254	05/19/10 18:34
Benzene	50.0	48.4		ug/L	97%	80 - 121	10E2254	05/19/10 18:34
Bromobenzene	50.0	52.6		ug/L	105%	72 - 130	10E2254	05/19/10 18:34
Bromochloromethane	50.0	48.2		ug/L	96%	73 - 137	10E2254	05/19/10 18:34
Bromodichloromethane	50.0	56.8		ug/L	114%	75 - 131	10E2254	05/19/10 18:34
Bromoform	50.0	41.9		ug/L	84%	65 - 140	10E2254	05/19/10 18:34
Bromomethane	50.0	45.0		ug/L	90%	50 - 150	10E2254	05/19/10 18:34
2-Butanone	250	226		ug/L	90%	70 - 144	10E2254	05/19/10 18:34
sec-Butylbenzene	50.0	48.9		ug/L	98%	72 - 140	10E2254	05/19/10 18:34
n-Butylbenzene	50.0	48.7		ug/L	97%	68 - 140	10E2254	05/19/10 18:34
tert-Butylbenzene	50.0	49.2		ug/L	98%	76 - 135	10E2254	05/19/10 18:34
Carbon disulfide	50.0	52.8		ug/L	106%	74 - 137	10E2254	05/19/10 18:34
Carbon Tetrachloride	50.0	54.7		ug/L	109%	71 - 137	10E2254	05/19/10 18:34
Chlorobenzene	50.0	48.1		ug/L	96%	80 - 121	10E2254	05/19/10 18:34
Chlorodibromomethane	50.0	45.1		ug/L	90%	68 - 137	10E2254	05/19/10 18:34
Chloroethane	50.0	48.4		ug/L	97%	50 - 146	10E2254	05/19/10 18:34
Chloroform	50.0	46.5		ug/L	93%	73 - 131	10E2254	05/19/10 18:34
Chloromethane	50.0	43.2		ug/L	86%	30 - 132	10E2254	05/19/10 18:34
2-Chlorotoluene	50.0	56.0		ug/L	112%	74 - 135	10E2254	05/19/10 18:34
4-Chlorotoluene	50.0	55.2		ug/L	110%	74 - 132	10E2254	05/19/10 18:34
1,2-Dibromo-3-chloropropane	50.0	39.4		ug/L	79%	56 - 145	10E2254	05/19/10 18:34
1,2-Dibromoethane (EDB)	50.0	54.0		ug/L	108%	80 - 135	10E2254	05/19/10 18:34
Dibromomethane	50.0	49.9		ug/L	100%	78 - 133	10E2254	05/19/10 18:34
1,4-Dichlorobenzene	50.0	47.8		ug/L	96%	80 - 120	10E2254	05/19/10 18:34
1,3-Dichlorobenzene	50.0	53.6		ug/L	107%	80 - 128	10E2254	05/19/10 18:34
1,2-Dichlorobenzene	50.0	52.1		ug/L	104%	80 - 125	10E2254	05/19/10 18:34
Dichlorodifluoromethane	50.0	50.0		ug/L	100%	30 - 132	10E2254	05/19/10 18:34
1,1-Dichloroethane	50.0	50.0		ug/L	100%	75 - 125	10E2254	05/19/10 18:34
1,2-Dichloroethane	50.0	48.1		ug/L	96%	70 - 134	10E2254	05/19/10 18:34
cis-1,2-Dichloroethene	50.0	49.1		ug/L	98%	71 - 132	10E2254	05/19/10 18:34

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E2254-BS1								
1,1-Dichloroethene	50.0	50.3		ug/L	101%	73 - 125	10E2254	05/19/10 18:34
trans-1,2-Dichloroethene	50.0	49.5		ug/L	99%	77 - 125	10E2254	05/19/10 18:34
1,3-Dichloropropane	50.0	50.8		ug/L	102%	76 - 125	10E2254	05/19/10 18:34
1,2-Dichloropropane	50.0	49.7		ug/L	99%	72 - 120	10E2254	05/19/10 18:34
2,2-Dichloropropane	50.0	56.5		ug/L	113%	50 - 150	10E2254	05/19/10 18:34
cis-1,3-Dichloropropene	50.0	47.0		ug/L	94%	70 - 140	10E2254	05/19/10 18:34
trans-1,3-Dichloropropene	50.0	44.7		ug/L	89%	62 - 139	10E2254	05/19/10 18:34
1,1-Dichloropropene	50.0	51.0		ug/L	102%	78 - 126	10E2254	05/19/10 18:34
Ethylbenzene	50.0	55.2		ug/L	110%	78 - 133	10E2254	05/19/10 18:34
Hexachlorobutadiene	50.0	53.4		ug/L	107%	70 - 150	10E2254	05/19/10 18:34
2-Hexanone	250	231		ug/L	92%	60 - 150	10E2254	05/19/10 18:34
Isopropylbenzene	50.0	50.6		ug/L	101%	69 - 120	10E2254	05/19/10 18:34
p-Isopropyltoluene	50.0	50.0		ug/L	100%	72 - 134	10E2254	05/19/10 18:34
Methyl tert-Butyl Ether	50.0	51.6		ug/L	103%	76 - 120	10E2254	05/19/10 18:34
Methylene Chloride	50.0	47.2		ug/L	94%	80 - 133	10E2254	05/19/10 18:34
4-Methyl-2-pentanone	250	274		ug/L	109%	62 - 146	10E2254	05/19/10 18:34
Naphthalene	50.0	44.9		ug/L	90%	71 - 139	10E2254	05/19/10 18:34
n-Propylbenzene	50.0	50.8		ug/L	102%	70 - 143	10E2254	05/19/10 18:34
Styrene	50.0	54.6		ug/L	109%	80 - 136	10E2254	05/19/10 18:34
1,1,1,2-Tetrachloroethane	50.0	54.9		ug/L	110%	80 - 130	10E2254	05/19/10 18:34
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L	101%	73 - 131	10E2254	05/19/10 18:34
Tetrachloroethene	50.0	50.2		ug/L	100%	77 - 131	10E2254	05/19/10 18:34
Toluene	50.0	49.8		ug/L	100%	78 - 125	10E2254	05/19/10 18:34
1,2,3-Trichlorobenzene	50.0	43.4		ug/L	87%	71 - 138	10E2254	05/19/10 18:34
1,2,4-Trichlorobenzene	50.0	44.9		ug/L	90%	74 - 136	10E2254	05/19/10 18:34
1,1,2-Trichloroethane	50.0	48.8		ug/L	98%	80 - 123	10E2254	05/19/10 18:34
1,1,1-Trichloroethane	50.0	53.1		ug/L	106%	75 - 137	10E2254	05/19/10 18:34
Trichloroethene	50.0	49.5		ug/L	99%	74 - 139	10E2254	05/19/10 18:34
Trichlorofluoromethane	50.0	49.8		ug/L	100%	60 - 133	10E2254	05/19/10 18:34
1,2,3-Trichloropropane	50.0	50.7		ug/L	101%	64 - 127	10E2254	05/19/10 18:34
1,3,5-Trimethylbenzene	50.0	51.2		ug/L	102%	75 - 134	10E2254	05/19/10 18:34
1,2,4-Trimethylbenzene	50.0	51.1		ug/L	102%	77 - 134	10E2254	05/19/10 18:34
Vinyl chloride	50.0	51.3		ug/L	103%	60 - 122	10E2254	05/19/10 18:34
Xylenes, total	150	165		ug/L	110%	78 - 134	10E2254	05/19/10 18:34
Surrogate: 1,2-Dichloroethane-d4	25.0	24.5			98%	63 - 140	10E2254	05/19/10 18:34
Surrogate: Dibromofluoromethane	25.0	25.2			101%	73 - 131	10E2254	05/19/10 18:34
Surrogate: Toluene-d8	25.0	24.6			99%	80 - 120	10E2254	05/19/10 18:34
Surrogate: 4-Bromofluorobenzene	25.0	25.8			103%	79 - 125	10E2254	05/19/10 18:34
10E2791-BS1								
Acetone	250	245		ug/L	98%	56 - 150	10E2791	05/17/10 11:04

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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								
10E2791-BS1								
Benzene	50.0	50.4		ug/L	101%	80 - 121	10E2791	05/17/10 11:04
Bromobenzene	50.0	49.8		ug/L	100%	72 - 130	10E2791	05/17/10 11:04
Bromochloromethane	50.0	44.8		ug/L	90%	73 - 137	10E2791	05/17/10 11:04
Bromodichloromethane	50.0	51.3		ug/L	103%	75 - 131	10E2791	05/17/10 11:04
Bromoform	50.0	42.7		ug/L	85%	65 - 140	10E2791	05/17/10 11:04
Bromomethane	50.0	51.3		ug/L	103%	50 - 150	10E2791	05/17/10 11:04
2-Butanone	250	237		ug/L	95%	70 - 144	10E2791	05/17/10 11:04
sec-Butylbenzene	50.0	50.0		ug/L	100%	72 - 140	10E2791	05/17/10 11:04
n-Butylbenzene	50.0	50.8		ug/L	102%	68 - 140	10E2791	05/17/10 11:04
tert-Butylbenzene	50.0	49.9		ug/L	100%	76 - 135	10E2791	05/17/10 11:04
Carbon disulfide	50.0	51.0		ug/L	102%	74 - 137	10E2791	05/17/10 11:04
Carbon Tetrachloride	50.0	52.4		ug/L	105%	71 - 137	10E2791	05/17/10 11:04
Chlorobenzene	50.0	50.5		ug/L	101%	80 - 121	10E2791	05/17/10 11:04
Chlorodibromomethane	50.0	46.1		ug/L	92%	68 - 137	10E2791	05/17/10 11:04
Chloroethane	50.0	43.0		ug/L	86%	50 - 146	10E2791	05/17/10 11:04
Chloroform	50.0	46.0		ug/L	92%	73 - 131	10E2791	05/17/10 11:04
Chloromethane	50.0	26.6		ug/L	53%	30 - 132	10E2791	05/17/10 11:04
2-Chlorotoluene	50.0	54.6		ug/L	109%	74 - 135	10E2791	05/17/10 11:04
4-Chlorotoluene	50.0	55.7		ug/L	111%	74 - 132	10E2791	05/17/10 11:04
1,2-Dibromo-3-chloropropane	50.0	36.3		ug/L	73%	56 - 145	10E2791	05/17/10 11:04
1,2-Dibromoethane (EDB)	50.0	52.6		ug/L	105%	80 - 135	10E2791	05/17/10 11:04
Dibromomethane	50.0	47.8		ug/L	96%	78 - 133	10E2791	05/17/10 11:04
1,4-Dichlorobenzene	50.0	50.2		ug/L	100%	80 - 120	10E2791	05/17/10 11:04
1,3-Dichlorobenzene	50.0	54.8		ug/L	110%	80 - 128	10E2791	05/17/10 11:04
1,2-Dichlorobenzene	50.0	52.5		ug/L	105%	80 - 125	10E2791	05/17/10 11:04
Dichlorodifluoromethane	50.0	27.8		ug/L	56%	30 - 132	10E2791	05/17/10 11:04
1,1-Dichloroethane	50.0	48.5		ug/L	97%	75 - 125	10E2791	05/17/10 11:04
1,2-Dichloroethane	50.0	43.3		ug/L	87%	70 - 134	10E2791	05/17/10 11:04
cis-1,2-Dichloroethene	50.0	49.3		ug/L	99%	71 - 132	10E2791	05/17/10 11:04
1,1-Dichloroethene	50.0	46.5		ug/L	93%	73 - 125	10E2791	05/17/10 11:04
trans-1,2-Dichloroethene	50.0	47.4		ug/L	95%	77 - 125	10E2791	05/17/10 11:04
1,3-Dichloropropane	50.0	49.3		ug/L	99%	76 - 125	10E2791	05/17/10 11:04
1,2-Dichloropropane	50.0	48.4		ug/L	97%	72 - 120	10E2791	05/17/10 11:04
2,2-Dichloropropane	50.0	57.7		ug/L	115%	50 - 150	10E2791	05/17/10 11:04
cis-1,3-Dichloropropene	50.0	63.8		ug/L	128%	70 - 140	10E2791	05/17/10 11:04
trans-1,3-Dichloropropene	50.0	44.4		ug/L	89%	62 - 139	10E2791	05/17/10 11:04
1,1-Dichloropropene	50.0	51.1		ug/L	102%	78 - 126	10E2791	05/17/10 11:04
Ethylbenzene	50.0	57.8		ug/L	116%	78 - 133	10E2791	05/17/10 11:04
Hexachlorobutadiene	50.0	57.9		ug/L	116%	70 - 150	10E2791	05/17/10 11:04
2-Hexanone	250	233		ug/L	93%	60 - 150	10E2791	05/17/10 11:04
Isopropylbenzene	50.0	58.2		ug/L	116%	69 - 120	10E2791	05/17/10 11:04

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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								
10E2791-BS1								
p-Isopropyltoluene	50.0	51.2		ug/L	102%	72 - 134	10E2791	05/17/10 11:04
Methyl tert-Butyl Ether	50.0	44.1		ug/L	88%	76 - 120	10E2791	05/17/10 11:04
Methylene Chloride	50.0	47.5		ug/L	95%	80 - 133	10E2791	05/17/10 11:04
4-Methyl-2-pentanone	250	237		ug/L	95%	62 - 146	10E2791	05/17/10 11:04
Naphthalene	50.0	43.2		ug/L	86%	71 - 139	10E2791	05/17/10 11:04
n-Propylbenzene	50.0	50.7		ug/L	101%	70 - 143	10E2791	05/17/10 11:04
Styrene	50.0	58.9		ug/L	118%	80 - 136	10E2791	05/17/10 11:04
1,1,1,2-Tetrachloroethane	50.0	57.3		ug/L	115%	80 - 130	10E2791	05/17/10 11:04
1,1,2,2-Tetrachloroethane	50.0	44.6		ug/L	89%	73 - 131	10E2791	05/17/10 11:04
Tetrachloroethene	50.0	54.8		ug/L	110%	77 - 131	10E2791	05/17/10 11:04
Toluene	50.0	51.1		ug/L	102%	78 - 125	10E2791	05/17/10 11:04
1,2,3-Trichlorobenzene	50.0	45.6		ug/L	91%	71 - 138	10E2791	05/17/10 11:04
1,2,4-Trichlorobenzene	50.0	47.2		ug/L	94%	74 - 136	10E2791	05/17/10 11:04
1,1,2-Trichloroethane	50.0	48.6		ug/L	97%	80 - 123	10E2791	05/17/10 11:04
1,1,1-Trichloroethane	50.0	50.5		ug/L	101%	75 - 137	10E2791	05/17/10 11:04
Trichloroethene	50.0	48.9		ug/L	98%	74 - 139	10E2791	05/17/10 11:04
Trichlorofluoromethane	50.0	40.2		ug/L	80%	60 - 133	10E2791	05/17/10 11:04
1,2,3-Trichloropropane	50.0	46.5		ug/L	93%	64 - 127	10E2791	05/17/10 11:04
1,3,5-Trimethylbenzene	50.0	52.5		ug/L	105%	75 - 134	10E2791	05/17/10 11:04
1,2,4-Trimethylbenzene	50.0	51.4		ug/L	103%	77 - 134	10E2791	05/17/10 11:04
Vinyl chloride	50.0	36.9		ug/L	74%	60 - 122	10E2791	05/17/10 11:04
Xylenes, total	150	176		ug/L	117%	78 - 134	10E2791	05/17/10 11:04
Surrogate: 1,2-Dichloroethane-d4	25.0	21.9			87%	63 - 140	10E2791	05/17/10 11:04
Surrogate: Dibromofluoromethane	25.0	24.1			96%	73 - 131	10E2791	05/17/10 11:04
Surrogate: Toluene-d8	25.0	24.4			98%	80 - 120	10E2791	05/17/10 11:04
Surrogate: 4-Bromofluorobenzene	25.0	24.6			98%	79 - 125	10E2791	05/17/10 11:04
10E3273-BS1								
Acetone	250	290		ug/L	116%	56 - 150	10E3273	05/18/10 11:38
Benzene	50.0	51.4		ug/L	103%	80 - 121	10E3273	05/18/10 11:38
Bromobenzene	50.0	55.2		ug/L	110%	72 - 130	10E3273	05/18/10 11:38
Bromochloromethane	50.0	51.6		ug/L	103%	73 - 137	10E3273	05/18/10 11:38
Bromodichloromethane	50.0	58.6		ug/L	117%	75 - 131	10E3273	05/18/10 11:38
Bromoform	50.0	53.7		ug/L	107%	65 - 140	10E3273	05/18/10 11:38
Bromomethane	50.0	47.6		ug/L	95%	50 - 150	10E3273	05/18/10 11:38
2-Butanone	250	327		ug/L	131%	70 - 144	10E3273	05/18/10 11:38
sec-Butylbenzene	50.0	45.7		ug/L	91%	72 - 140	10E3273	05/18/10 11:38
n-Butylbenzene	50.0	46.8		ug/L	94%	68 - 140	10E3273	05/18/10 11:38
tert-Butylbenzene	50.0	47.2		ug/L	94%	76 - 135	10E3273	05/18/10 11:38
Carbon disulfide	50.0	48.9		ug/L	98%	74 - 137	10E3273	05/18/10 11:38
Carbon Tetrachloride	50.0	52.1		ug/L	104%	71 - 137	10E3273	05/18/10 11:38

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3273-BS1								
Chlorobenzene	50.0	54.7		ug/L	109%	80 - 121	10E3273	05/18/10 11:38
Chlorodibromomethane	50.0	54.3		ug/L	109%	68 - 137	10E3273	05/18/10 11:38
Chloroethane	50.0	42.8		ug/L	86%	50 - 146	10E3273	05/18/10 11:38
Chloroform	50.0	49.4		ug/L	99%	73 - 131	10E3273	05/18/10 11:38
Chloromethane	50.0	24.7		ug/L	49%	30 - 132	10E3273	05/18/10 11:38
2-Chlorotoluene	50.0	55.6		ug/L	111%	74 - 135	10E3273	05/18/10 11:38
4-Chlorotoluene	50.0	56.4		ug/L	113%	74 - 132	10E3273	05/18/10 11:38
1,2-Dibromo-3-chloropropane	50.0	50.7		ug/L	101%	56 - 145	10E3273	05/18/10 11:38
1,2-Dibromoethane (EDB)	50.0	65.8		ug/L	132%	80 - 135	10E3273	05/18/10 11:38
Dibromomethane	50.0	53.0		ug/L	106%	78 - 133	10E3273	05/18/10 11:38
1,4-Dichlorobenzene	50.0	53.0		ug/L	106%	80 - 120	10E3273	05/18/10 11:38
1,3-Dichlorobenzene	50.0	57.2		ug/L	114%	80 - 128	10E3273	05/18/10 11:38
1,2-Dichlorobenzene	50.0	58.0		ug/L	116%	80 - 125	10E3273	05/18/10 11:38
Dichlorodifluoromethane	50.0	30.1		ug/L	60%	30 - 132	10E3273	05/18/10 11:38
1,1-Dichloroethane	50.0	50.3		ug/L	101%	75 - 125	10E3273	05/18/10 11:38
1,2-Dichloroethane	50.0	52.2		ug/L	104%	70 - 134	10E3273	05/18/10 11:38
cis-1,2-Dichloroethene	50.0	51.6		ug/L	103%	71 - 132	10E3273	05/18/10 11:38
1,1-Dichloroethene	50.0	47.8		ug/L	96%	73 - 125	10E3273	05/18/10 11:38
trans-1,2-Dichloroethene	50.0	48.8		ug/L	98%	77 - 125	10E3273	05/18/10 11:38
1,3-Dichloropropane	50.0	61.2		ug/L	122%	76 - 125	10E3273	05/18/10 11:38
1,2-Dichloropropane	50.0	49.5		ug/L	99%	72 - 120	10E3273	05/18/10 11:38
2,2-Dichloropropane	50.0	49.9		ug/L	100%	50 - 150	10E3273	05/18/10 11:38
cis-1,3-Dichloropropene	50.0	60.0		ug/L	120%	70 - 140	10E3273	05/18/10 11:38
trans-1,3-Dichloropropene	50.0	49.9		ug/L	100%	62 - 139	10E3273	05/18/10 11:38
1,1-Dichloropropene	50.0	49.9		ug/L	100%	78 - 126	10E3273	05/18/10 11:38
Ethylbenzene	50.0	60.2		ug/L	120%	78 - 133	10E3273	05/18/10 11:38
Hexachlorobutadiene	50.0	50.5		ug/L	101%	70 - 150	10E3273	05/18/10 11:38
2-Hexanone	250	357		ug/L	143%	60 - 150	10E3273	05/18/10 11:38
Isopropylbenzene	50.0	58.6		ug/L	117%	69 - 120	10E3273	05/18/10 11:38
p-Isopropyltoluene	50.0	47.7		ug/L	95%	72 - 134	10E3273	05/18/10 11:38
Methyl tert-Butyl Ether	50.0	48.7		ug/L	97%	76 - 120	10E3273	05/18/10 11:38
Methylene Chloride	50.0	52.3		ug/L	105%	80 - 133	10E3273	05/18/10 11:38
4-Methyl-2-pentanone	250	359		ug/L	144%	62 - 146	10E3273	05/18/10 11:38
Naphthalene	50.0	58.2		ug/L	116%	71 - 139	10E3273	05/18/10 11:38
n-Propylbenzene	50.0	48.6		ug/L	97%	70 - 143	10E3273	05/18/10 11:38
Styrene	50.0	63.5		ug/L	127%	80 - 136	10E3273	05/18/10 11:38
1,1,1,2-Tetrachloroethane	50.0	62.0		ug/L	124%	80 - 130	10E3273	05/18/10 11:38
1,1,2,2-Tetrachloroethane	50.0	59.6		ug/L	119%	73 - 131	10E3273	05/18/10 11:38
Tetrachloroethene	50.0	53.8		ug/L	108%	77 - 131	10E3273	05/18/10 11:38
Toluene	50.0	54.3		ug/L	109%	78 - 125	10E3273	05/18/10 11:38
1,2,3-Trichlorobenzene	50.0	55.0		ug/L	110%	71 - 138	10E3273	05/18/10 11:38

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3273-BS1								
1,2,4-Trichlorobenzene	50.0	51.9		ug/L	104%	74 - 136	10E3273	05/18/10 11:38
1,1,2-Trichloroethane	50.0	60.6		ug/L	121%	80 - 123	10E3273	05/18/10 11:38
1,1,1-Trichloroethane	50.0	50.4		ug/L	101%	75 - 137	10E3273	05/18/10 11:38
Trichloroethene	50.0	49.9		ug/L	100%	74 - 139	10E3273	05/18/10 11:38
Trichlorofluoromethane	50.0	41.1		ug/L	82%	60 - 133	10E3273	05/18/10 11:38
1,2,3-Trichloropropane	50.0	59.1		ug/L	118%	64 - 127	10E3273	05/18/10 11:38
1,3,5-Trimethylbenzene	50.0	51.7		ug/L	103%	75 - 134	10E3273	05/18/10 11:38
1,2,4-Trimethylbenzene	50.0	51.9		ug/L	104%	77 - 134	10E3273	05/18/10 11:38
Vinyl chloride	50.0	40.3		ug/L	81%	60 - 122	10E3273	05/18/10 11:38
Xylenes, total	150	183		ug/L	122%	78 - 134	10E3273	05/18/10 11:38
Surrogate: 1,2-Dichloroethane-d4	25.0	24.2			97%	63 - 140	10E3273	05/18/10 11:38
Surrogate: Dibromofluoromethane	25.0	25.4			102%	73 - 131	10E3273	05/18/10 11:38
Surrogate: Toluene-d8	25.0	24.8			99%	80 - 120	10E3273	05/18/10 11:38
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	79 - 125	10E3273	05/18/10 11:38
10E3300-BS1								
Acetone	250	182		ug/L	73%	56 - 150	10E3300	05/18/10 23:44
Benzene	50.0	49.6		ug/L	99%	80 - 121	10E3300	05/18/10 23:44
Bromobenzene	50.0	49.1		ug/L	98%	72 - 130	10E3300	05/18/10 23:44
Bromochloromethane	50.0	41.6		ug/L	83%	73 - 137	10E3300	05/18/10 23:44
Bromodichloromethane	50.0	49.1		ug/L	98%	75 - 131	10E3300	05/18/10 23:44
Bromoform	50.0	36.8		ug/L	74%	65 - 140	10E3300	05/18/10 23:44
Bromomethane	50.0	48.5		ug/L	97%	50 - 150	10E3300	05/18/10 23:44
2-Butanone	250	196		ug/L	79%	70 - 144	10E3300	05/18/10 23:44
sec-Butylbenzene	50.0	49.4		ug/L	99%	72 - 140	10E3300	05/18/10 23:44
n-Butylbenzene	50.0	49.2		ug/L	98%	68 - 140	10E3300	05/18/10 23:44
tert-Butylbenzene	50.0	49.4		ug/L	99%	76 - 135	10E3300	05/18/10 23:44
Carbon disulfide	50.0	48.9		ug/L	98%	74 - 137	10E3300	05/18/10 23:44
Carbon Tetrachloride	50.0	49.4		ug/L	99%	71 - 137	10E3300	05/18/10 23:44
Chlorobenzene	50.0	47.0		ug/L	94%	80 - 121	10E3300	05/18/10 23:44
Chlorodibromomethane	50.0	40.8		ug/L	82%	68 - 137	10E3300	05/18/10 23:44
Chloroethane	50.0	41.3		ug/L	83%	50 - 146	10E3300	05/18/10 23:44
Chloroform	50.0	43.5		ug/L	87%	73 - 131	10E3300	05/18/10 23:44
Chloromethane	50.0	23.9		ug/L	48%	30 - 132	10E3300	05/18/10 23:44
2-Chlorotoluene	50.0	54.2		ug/L	108%	74 - 135	10E3300	05/18/10 23:44
4-Chlorotoluene	50.0	54.2		ug/L	108%	74 - 132	10E3300	05/18/10 23:44
1,2-Dibromo-3-chloropropane	50.0	33.9		ug/L	68%	56 - 145	10E3300	05/18/10 23:44
1,2-Dibromoethane (EDB)	50.0	47.3		ug/L	95%	80 - 135	10E3300	05/18/10 23:44
Dibromomethane	50.0	46.2		ug/L	92%	78 - 133	10E3300	05/18/10 23:44
1,4-Dichlorobenzene	50.0	47.4		ug/L	95%	80 - 120	10E3300	05/18/10 23:44
1,3-Dichlorobenzene	50.0	52.3		ug/L	105%	80 - 128	10E3300	05/18/10 23:44

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3300-BS1								
1,2-Dichlorobenzene	50.0	49.2		ug/L	98%	80 - 125	10E3300	05/18/10 23:44
Dichlorodifluoromethane	50.0	23.5		ug/L	47%	30 - 132	10E3300	05/18/10 23:44
1,1-Dichloroethane	50.0	48.6		ug/L	97%	75 - 125	10E3300	05/18/10 23:44
1,2-Dichloroethane	50.0	41.4		ug/L	83%	70 - 134	10E3300	05/18/10 23:44
cis-1,2-Dichloroethene	50.0	47.9		ug/L	96%	71 - 132	10E3300	05/18/10 23:44
1,1-Dichloroethene	50.0	43.0		ug/L	86%	73 - 125	10E3300	05/18/10 23:44
trans-1,2-Dichloroethene	50.0	46.4		ug/L	93%	77 - 125	10E3300	05/18/10 23:44
1,3-Dichloropropane	50.0	45.1		ug/L	90%	76 - 125	10E3300	05/18/10 23:44
1,2-Dichloropropane	50.0	48.9		ug/L	98%	72 - 120	10E3300	05/18/10 23:44
2,2-Dichloropropane	50.0	49.5		ug/L	99%	50 - 150	10E3300	05/18/10 23:44
cis-1,3-Dichloropropene	50.0	61.7		ug/L	123%	70 - 140	10E3300	05/18/10 23:44
trans-1,3-Dichloropropene	50.0	40.2		ug/L	80%	62 - 139	10E3300	05/18/10 23:44
1,1-Dichloropropene	50.0	49.6		ug/L	99%	78 - 126	10E3300	05/18/10 23:44
Ethylbenzene	50.0	54.3		ug/L	109%	78 - 133	10E3300	05/18/10 23:44
Hexachlorobutadiene	50.0	55.8		ug/L	112%	70 - 150	10E3300	05/18/10 23:44
2-Hexanone	250	192		ug/L	77%	60 - 150	10E3300	05/18/10 23:44
Isopropylbenzene	50.0	54.5		ug/L	109%	69 - 120	10E3300	05/18/10 23:44
p-Isopropyltoluene	50.0	49.4		ug/L	99%	72 - 134	10E3300	05/18/10 23:44
Methyl tert-Butyl Ether	50.0	42.3		ug/L	85%	76 - 120	10E3300	05/18/10 23:44
Methylene Chloride	50.0	43.2		ug/L	86%	80 - 133	10E3300	05/18/10 23:44
4-Methyl-2-pentanone	250	205		ug/L	82%	62 - 146	10E3300	05/18/10 23:44
Naphthalene	50.0	40.1		ug/L	80%	71 - 139	10E3300	05/18/10 23:44
n-Propylbenzene	50.0	50.2		ug/L	100%	70 - 143	10E3300	05/18/10 23:44
Styrene	50.0	54.0		ug/L	108%	80 - 136	10E3300	05/18/10 23:44
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/L	106%	80 - 130	10E3300	05/18/10 23:44
1,1,2,2-Tetrachloroethane	50.0	40.7		ug/L	81%	73 - 131	10E3300	05/18/10 23:44
Tetrachloroethene	50.0	50.2		ug/L	100%	77 - 131	10E3300	05/18/10 23:44
Toluene	50.0	48.7		ug/L	97%	78 - 125	10E3300	05/18/10 23:44
1,2,3-Trichlorobenzene	50.0	41.4		ug/L	83%	71 - 138	10E3300	05/18/10 23:44
1,2,4-Trichlorobenzene	50.0	44.1		ug/L	88%	74 - 136	10E3300	05/18/10 23:44
1,1,2-Trichloroethane	50.0	43.3		ug/L	87%	80 - 123	10E3300	05/18/10 23:44
1,1,1-Trichloroethane	50.0	49.1		ug/L	98%	75 - 137	10E3300	05/18/10 23:44
Trichloroethene	50.0	46.4		ug/L	93%	74 - 139	10E3300	05/18/10 23:44
Trichlorofluoromethane	50.0	36.3		ug/L	73%	60 - 133	10E3300	05/18/10 23:44
1,2,3-Trichloropropane	50.0	42.9		ug/L	86%	64 - 127	10E3300	05/18/10 23:44
1,3,5-Trimethylbenzene	50.0	51.3		ug/L	103%	75 - 134	10E3300	05/18/10 23:44
1,2,4-Trimethylbenzene	50.0	50.1		ug/L	100%	77 - 134	10E3300	05/18/10 23:44
Vinyl chloride	50.0	34.3		ug/L	69%	60 - 122	10E3300	05/18/10 23:44
Xylenes, total	150	163		ug/L	109%	78 - 134	10E3300	05/18/10 23:44
Surrogate: 1,2-Dichloroethane-d4	25.0	21.8			87%	63 - 140	10E3300	05/18/10 23:44
Surrogate: Dibromofluoromethane	25.0	23.7			95%	73 - 131	10E3300	05/18/10 23:44

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3300-BS1								
Surrogate: Toluene-d8	25.0	24.4			98%	80 - 120	10E3300	05/18/10 23:44
Surrogate: 4-Bromofluorobenzene	25.0	26.2			105%	79 - 125	10E3300	05/18/10 23:44
10E3652-BS1								
Acetone	250	274		ug/L	110%	56 - 150	10E3652	05/20/10 20:33
Benzene	50.0	52.9		ug/L	106%	80 - 121	10E3652	05/20/10 20:33
Bromobenzene	50.0	56.6		ug/L	113%	72 - 130	10E3652	05/20/10 20:33
Bromochloromethane	50.0	51.3		ug/L	103%	73 - 137	10E3652	05/20/10 20:33
Bromodichloromethane	50.0	56.9		ug/L	114%	75 - 131	10E3652	05/20/10 20:33
Bromoform	50.0	46.9		ug/L	94%	65 - 140	10E3652	05/20/10 20:33
Bromomethane	50.0	66.0		ug/L	132%	50 - 150	10E3652	05/20/10 20:33
2-Butanone	250	277		ug/L	111%	70 - 144	10E3652	05/20/10 20:33
sec-Butylbenzene	50.0	57.0		ug/L	114%	72 - 140	10E3652	05/20/10 20:33
n-Butylbenzene	50.0	57.0		ug/L	114%	68 - 140	10E3652	05/20/10 20:33
tert-Butylbenzene	50.0	57.5		ug/L	115%	76 - 135	10E3652	05/20/10 20:33
Carbon disulfide	50.0	51.2		ug/L	102%	74 - 137	10E3652	05/20/10 20:33
Carbon Tetrachloride	50.0	59.2		ug/L	118%	71 - 137	10E3652	05/20/10 20:33
Chlorobenzene	50.0	53.7		ug/L	107%	80 - 121	10E3652	05/20/10 20:33
Chlorodibromomethane	50.0	51.7		ug/L	103%	68 - 137	10E3652	05/20/10 20:33
Chloroethane	50.0	54.0		ug/L	108%	50 - 146	10E3652	05/20/10 20:33
Chloroform	50.0	51.5		ug/L	103%	73 - 131	10E3652	05/20/10 20:33
Chloromethane	50.0	37.0		ug/L	74%	30 - 132	10E3652	05/20/10 20:33
2-Chlorotoluene	50.0	56.1		ug/L	112%	74 - 135	10E3652	05/20/10 20:33
4-Chlorotoluene	50.0	59.2		ug/L	118%	74 - 132	10E3652	05/20/10 20:33
1,2-Dibromo-3-chloropropane	50.0	46.6		ug/L	93%	56 - 145	10E3652	05/20/10 20:33
1,2-Dibromoethane (EDB)	50.0	57.1		ug/L	114%	80 - 135	10E3652	05/20/10 20:33
Dibromomethane	50.0	52.3		ug/L	105%	78 - 133	10E3652	05/20/10 20:33
1,4-Dichlorobenzene	50.0	54.0		ug/L	108%	80 - 120	10E3652	05/20/10 20:33
1,3-Dichlorobenzene	50.0	55.0		ug/L	110%	80 - 128	10E3652	05/20/10 20:33
1,2-Dichlorobenzene	50.0	55.0		ug/L	110%	80 - 125	10E3652	05/20/10 20:33
Dichlorodifluoromethane	50.0	37.3		ug/L	75%	30 - 132	10E3652	05/20/10 20:33
1,1-Dichloroethane	50.0	55.2		ug/L	110%	75 - 125	10E3652	05/20/10 20:33
1,2-Dichloroethane	50.0	54.8		ug/L	110%	70 - 134	10E3652	05/20/10 20:33
cis-1,2-Dichloroethene	50.0	53.1		ug/L	106%	71 - 132	10E3652	05/20/10 20:33
1,1-Dichloroethene	50.0	52.4		ug/L	105%	73 - 125	10E3652	05/20/10 20:33
trans-1,2-Dichloroethene	50.0	53.7		ug/L	107%	77 - 125	10E3652	05/20/10 20:33
1,3-Dichloropropane	50.0	55.7		ug/L	111%	76 - 125	10E3652	05/20/10 20:33
1,2-Dichloropropane	50.0	51.0		ug/L	102%	72 - 120	10E3652	05/20/10 20:33
2,2-Dichloropropane	50.0	53.7		ug/L	107%	50 - 150	10E3652	05/20/10 20:33
cis-1,3-Dichloropropene	50.0	56.4		ug/L	113%	70 - 140	10E3652	05/20/10 20:33
trans-1,3-Dichloropropene	50.0	51.5		ug/L	103%	62 - 139	10E3652	05/20/10 20:33

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3652-BS1								
1,1-Dichloropropene	50.0	53.9		ug/L	108%	78 - 126	10E3652	05/20/10 20:33
Ethylbenzene	50.0	57.3		ug/L	115%	78 - 133	10E3652	05/20/10 20:33
Hexachlorobutadiene	50.0	45.7		ug/L	91%	70 - 150	10E3652	05/20/10 20:33
2-Hexanone	250	270		ug/L	108%	60 - 150	10E3652	05/20/10 20:33
Isopropylbenzene	50.0	62.4	L1	ug/L	125%	69 - 120	10E3652	05/20/10 20:33
p-Isopropyltoluene	50.0	56.5		ug/L	113%	72 - 134	10E3652	05/20/10 20:33
Methyl tert-Butyl Ether	50.0	57.8		ug/L	116%	76 - 120	10E3652	05/20/10 20:33
Methylene Chloride	50.0	49.3		ug/L	99%	80 - 133	10E3652	05/20/10 20:33
4-Methyl-2-pentanone	250	262		ug/L	105%	62 - 146	10E3652	05/20/10 20:33
Naphthalene	50.0	51.1		ug/L	102%	71 - 139	10E3652	05/20/10 20:33
n-Propylbenzene	50.0	58.7		ug/L	117%	70 - 143	10E3652	05/20/10 20:33
Styrene	50.0	58.3		ug/L	117%	80 - 136	10E3652	05/20/10 20:33
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/L	106%	80 - 130	10E3652	05/20/10 20:33
1,1,2,2-Tetrachloroethane	50.0	56.7		ug/L	113%	73 - 131	10E3652	05/20/10 20:33
Tetrachloroethene	50.0	55.6		ug/L	111%	77 - 131	10E3652	05/20/10 20:33
Toluene	50.0	55.8		ug/L	112%	78 - 125	10E3652	05/20/10 20:33
1,2,3-Trichlorobenzene	50.0	44.3		ug/L	89%	71 - 138	10E3652	05/20/10 20:33
1,2,4-Trichlorobenzene	50.0	46.0		ug/L	92%	74 - 136	10E3652	05/20/10 20:33
1,1,2-Trichloroethane	50.0	54.6		ug/L	109%	80 - 123	10E3652	05/20/10 20:33
1,1,1-Trichloroethane	50.0	54.5		ug/L	109%	75 - 137	10E3652	05/20/10 20:33
Trichloroethene	50.0	53.3		ug/L	107%	74 - 139	10E3652	05/20/10 20:33
Trichlorofluoromethane	50.0	44.9		ug/L	90%	60 - 133	10E3652	05/20/10 20:33
1,2,3-Trichloropropane	50.0	57.4		ug/L	115%	64 - 127	10E3652	05/20/10 20:33
1,3,5-Trimethylbenzene	50.0	60.4		ug/L	121%	75 - 134	10E3652	05/20/10 20:33
1,2,4-Trimethylbenzene	50.0	56.9		ug/L	114%	77 - 134	10E3652	05/20/10 20:33
Vinyl chloride	50.0	42.8		ug/L	86%	60 - 122	10E3652	05/20/10 20:33
Xylenes, total	150	177		ug/L	118%	78 - 134	10E3652	05/20/10 20:33
Surrogate: 1,2-Dichloroethane-d4	25.0	23.6			94%	63 - 140	10E3652	05/20/10 20:33
Surrogate: Dibromofluoromethane	25.0	24.6			98%	73 - 131	10E3652	05/20/10 20:33
Surrogate: Toluene-d8	25.0	25.6			102%	80 - 120	10E3652	05/20/10 20:33
Surrogate: 4-Bromofluorobenzene	25.0	25.4			102%	79 - 125	10E3652	05/20/10 20:33
10E3653-BS1								
Acetone	250	229		ug/L	92%	56 - 150	10E3653	05/21/10 08:09
Benzene	50.0	51.6		ug/L	103%	80 - 121	10E3653	05/21/10 08:09
Bromobenzene	50.0	55.5		ug/L	111%	72 - 130	10E3653	05/21/10 08:09
Bromochloromethane	50.0	50.8		ug/L	102%	73 - 137	10E3653	05/21/10 08:09
Bromodichloromethane	50.0	55.5		ug/L	111%	75 - 131	10E3653	05/21/10 08:09
Bromoform	50.0	46.5		ug/L	93%	65 - 140	10E3653	05/21/10 08:09
Bromomethane	50.0	56.0		ug/L	112%	50 - 150	10E3653	05/21/10 08:09
2-Butanone	250	256		ug/L	102%	70 - 144	10E3653	05/21/10 08:09

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3653-BS1								
sec-Butylbenzene	50.0	51.6		ug/L	103%	72 - 140	10E3653	05/21/10 08:09
n-Butylbenzene	50.0	48.0		ug/L	96%	68 - 140	10E3653	05/21/10 08:09
tert-Butylbenzene	50.0	55.7		ug/L	111%	76 - 135	10E3653	05/21/10 08:09
Carbon disulfide	50.0	48.0		ug/L	96%	74 - 137	10E3653	05/21/10 08:09
Carbon Tetrachloride	50.0	56.9		ug/L	114%	71 - 137	10E3653	05/21/10 08:09
Chlorobenzene	50.0	52.3		ug/L	105%	80 - 121	10E3653	05/21/10 08:09
Chlorodibromomethane	50.0	50.3		ug/L	101%	68 - 137	10E3653	05/21/10 08:09
Chloroethane	50.0	49.2		ug/L	98%	50 - 146	10E3653	05/21/10 08:09
Chloroform	50.0	49.9		ug/L	100%	73 - 131	10E3653	05/21/10 08:09
Chloromethane	50.0	43.2		ug/L	86%	30 - 132	10E3653	05/21/10 08:09
2-Chlorotoluene	50.0	54.8		ug/L	110%	74 - 135	10E3653	05/21/10 08:09
4-Chlorotoluene	50.0	57.2		ug/L	114%	74 - 132	10E3653	05/21/10 08:09
1,2-Dibromo-3-chloropropane	50.0	46.8		ug/L	94%	56 - 145	10E3653	05/21/10 08:09
1,2-Dibromoethane (EDB)	50.0	55.3		ug/L	111%	80 - 135	10E3653	05/21/10 08:09
Dibromomethane	50.0	51.8		ug/L	104%	78 - 133	10E3653	05/21/10 08:09
1,4-Dichlorobenzene	50.0	50.8		ug/L	102%	80 - 120	10E3653	05/21/10 08:09
1,3-Dichlorobenzene	50.0	51.5		ug/L	103%	80 - 128	10E3653	05/21/10 08:09
1,2-Dichlorobenzene	50.0	50.7		ug/L	101%	80 - 125	10E3653	05/21/10 08:09
Dichlorodifluoromethane	50.0	33.3		ug/L	67%	30 - 132	10E3653	05/21/10 08:09
1,1-Dichloroethane	50.0	52.6		ug/L	105%	75 - 125	10E3653	05/21/10 08:09
1,2-Dichloroethane	50.0	52.6		ug/L	105%	70 - 134	10E3653	05/21/10 08:09
cis-1,2-Dichloroethene	50.0	51.6		ug/L	103%	71 - 132	10E3653	05/21/10 08:09
1,1-Dichloroethene	50.0	49.2		ug/L	98%	73 - 125	10E3653	05/21/10 08:09
trans-1,2-Dichloroethene	50.0	51.1		ug/L	102%	77 - 125	10E3653	05/21/10 08:09
1,3-Dichloropropane	50.0	54.4		ug/L	109%	76 - 125	10E3653	05/21/10 08:09
1,2-Dichloropropane	50.0	48.5		ug/L	97%	72 - 120	10E3653	05/21/10 08:09
2,2-Dichloropropane	50.0	55.0		ug/L	110%	50 - 150	10E3653	05/21/10 08:09
cis-1,3-Dichloropropene	50.0	54.3		ug/L	109%	70 - 140	10E3653	05/21/10 08:09
trans-1,3-Dichloropropene	50.0	49.6		ug/L	99%	62 - 139	10E3653	05/21/10 08:09
1,1-Dichloropropene	50.0	52.1		ug/L	104%	78 - 126	10E3653	05/21/10 08:09
Ethylbenzene	50.0	56.1		ug/L	112%	78 - 133	10E3653	05/21/10 08:09
Hexachlorobutadiene	50.0	43.2		ug/L	86%	70 - 150	10E3653	05/21/10 08:09
2-Hexanone	250	260		ug/L	104%	60 - 150	10E3653	05/21/10 08:09
Isopropylbenzene	50.0	60.1		ug/L	120%	69 - 120	10E3653	05/21/10 08:09
p-Isopropyltoluene	50.0	50.6		ug/L	101%	72 - 134	10E3653	05/21/10 08:09
Methyl tert-Butyl Ether	50.0	53.8		ug/L	108%	76 - 120	10E3653	05/21/10 08:09
Methylene Chloride	50.0	47.0		ug/L	94%	80 - 133	10E3653	05/21/10 08:09
4-Methyl-2-pentanone	250	257		ug/L	103%	62 - 146	10E3653	05/21/10 08:09
Naphthalene	50.0	49.1		ug/L	98%	71 - 139	10E3653	05/21/10 08:09
n-Propylbenzene	50.0	56.7		ug/L	113%	70 - 143	10E3653	05/21/10 08:09
Styrene	50.0	57.1		ug/L	114%	80 - 136	10E3653	05/21/10 08:09

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E3653-BS1								
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/L	105%	80 - 130	10E3653	05/21/10 08:09
1,1,2,2-Tetrachloroethane	50.0	55.6		ug/L	111%	73 - 131	10E3653	05/21/10 08:09
Tetrachloroethene	50.0	53.4		ug/L	107%	77 - 131	10E3653	05/21/10 08:09
Toluene	50.0	54.0		ug/L	108%	78 - 125	10E3653	05/21/10 08:09
1,2,3-Trichlorobenzene	50.0	42.5		ug/L	85%	71 - 138	10E3653	05/21/10 08:09
1,2,4-Trichlorobenzene	50.0	43.0		ug/L	86%	74 - 136	10E3653	05/21/10 08:09
1,1,2-Trichloroethane	50.0	53.2		ug/L	106%	80 - 123	10E3653	05/21/10 08:09
1,1,1-Trichloroethane	50.0	52.9		ug/L	106%	75 - 137	10E3653	05/21/10 08:09
Trichloroethene	50.0	50.6		ug/L	101%	74 - 139	10E3653	05/21/10 08:09
Trichlorofluoromethane	50.0	42.5		ug/L	85%	60 - 133	10E3653	05/21/10 08:09
1,2,3-Trichloropropane	50.0	56.6		ug/L	113%	64 - 127	10E3653	05/21/10 08:09
1,3,5-Trimethylbenzene	50.0	58.4		ug/L	117%	75 - 134	10E3653	05/21/10 08:09
1,2,4-Trimethylbenzene	50.0	55.4		ug/L	111%	77 - 134	10E3653	05/21/10 08:09
Vinyl chloride	50.0	39.9		ug/L	80%	60 - 122	10E3653	05/21/10 08:09
Xylenes, total	150	172		ug/L	115%	78 - 134	10E3653	05/21/10 08:09
Diisopropyl Ether	50.0	53.7		ug/L	107%	63 - 136	10E3653	05/21/10 08:09
Surrogate: 1,2-Dichloroethane-d4	25.0	23.7			95%	63 - 140	10E3653	05/21/10 08:09
Surrogate: Dibromofluoromethane	25.0	24.7			99%	73 - 131	10E3653	05/21/10 08:09
Surrogate: Toluene-d8	25.0	25.4			102%	80 - 120	10E3653	05/21/10 08:09
Surrogate: 4-Bromofluorobenzene	25.0	25.4			102%	79 - 125	10E3653	05/21/10 08:09
10E4076-BS1								
Acetone	250	255		ug/L	102%	56 - 150	10E4076	05/19/10 22:00
Benzene	50.0	52.8		ug/L	106%	80 - 121	10E4076	05/19/10 22:00
Bromobenzene	50.0	53.8		ug/L	108%	72 - 130	10E4076	05/19/10 22:00
Bromochloromethane	50.0	54.4		ug/L	109%	73 - 137	10E4076	05/19/10 22:00
Bromodichloromethane	50.0	49.7		ug/L	99%	75 - 131	10E4076	05/19/10 22:00
Bromoform	50.0	48.1		ug/L	96%	65 - 140	10E4076	05/19/10 22:00
Bromomethane	50.0	54.7		ug/L	109%	50 - 150	10E4076	05/19/10 22:00
2-Butanone	250	274		ug/L	109%	70 - 144	10E4076	05/19/10 22:00
sec-Butylbenzene	50.0	57.7		ug/L	115%	72 - 140	10E4076	05/19/10 22:00
n-Butylbenzene	50.0	59.6		ug/L	119%	68 - 140	10E4076	05/19/10 22:00
tert-Butylbenzene	50.0	57.1		ug/L	114%	76 - 135	10E4076	05/19/10 22:00
Carbon disulfide	50.0	56.2		ug/L	112%	74 - 137	10E4076	05/19/10 22:00
Carbon Tetrachloride	50.0	50.6		ug/L	101%	71 - 137	10E4076	05/19/10 22:00
Chlorobenzene	50.0	54.6		ug/L	109%	80 - 121	10E4076	05/19/10 22:00
Chlorodibromomethane	50.0	51.3		ug/L	103%	68 - 137	10E4076	05/19/10 22:00
Chloroethane	50.0	44.0		ug/L	88%	50 - 146	10E4076	05/19/10 22:00
Chloroform	50.0	52.0		ug/L	104%	73 - 131	10E4076	05/19/10 22:00
Chloromethane	50.0	45.8		ug/L	92%	30 - 132	10E4076	05/19/10 22:00
2-Chlorotoluene	50.0	54.7		ug/L	109%	74 - 135	10E4076	05/19/10 22:00

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E4076-BS1								
4-Chlorotoluene	50.0	55.6		ug/L	111%	74 - 132	10E4076	05/19/10 22:00
1,2-Dibromo-3-chloropropane	50.0	50.3		ug/L	101%	56 - 145	10E4076	05/19/10 22:00
1,2-Dibromoethane (EDB)	50.0	58.2		ug/L	116%	80 - 135	10E4076	05/19/10 22:00
Dibromomethane	50.0	54.3		ug/L	109%	78 - 133	10E4076	05/19/10 22:00
1,4-Dichlorobenzene	50.0	55.2		ug/L	110%	80 - 120	10E4076	05/19/10 22:00
1,3-Dichlorobenzene	50.0	56.1		ug/L	112%	80 - 128	10E4076	05/19/10 22:00
1,2-Dichlorobenzene	50.0	56.2		ug/L	112%	80 - 125	10E4076	05/19/10 22:00
Dichlorodifluoromethane	50.0	39.8		ug/L	80%	30 - 132	10E4076	05/19/10 22:00
1,1-Dichloroethane	50.0	61.1		ug/L	122%	75 - 125	10E4076	05/19/10 22:00
1,2-Dichloroethane	50.0	52.2		ug/L	104%	70 - 134	10E4076	05/19/10 22:00
cis-1,2-Dichloroethene	50.0	54.8		ug/L	110%	71 - 132	10E4076	05/19/10 22:00
1,1-Dichloroethene	50.0	49.3		ug/L	99%	73 - 125	10E4076	05/19/10 22:00
trans-1,2-Dichloroethene	50.0	57.1		ug/L	114%	77 - 125	10E4076	05/19/10 22:00
1,3-Dichloropropane	50.0	56.3		ug/L	113%	76 - 125	10E4076	05/19/10 22:00
1,2-Dichloropropane	50.0	53.4		ug/L	107%	72 - 120	10E4076	05/19/10 22:00
2,2-Dichloropropane	50.0	57.4		ug/L	115%	50 - 150	10E4076	05/19/10 22:00
cis-1,3-Dichloropropene	50.0	54.9		ug/L	110%	70 - 140	10E4076	05/19/10 22:00
trans-1,3-Dichloropropene	50.0	51.3		ug/L	103%	62 - 139	10E4076	05/19/10 22:00
1,1-Dichloropropene	50.0	54.6		ug/L	109%	78 - 126	10E4076	05/19/10 22:00
Ethylbenzene	50.0	54.9		ug/L	110%	78 - 133	10E4076	05/19/10 22:00
Hexachlorobutadiene	50.0	55.0		ug/L	110%	70 - 150	10E4076	05/19/10 22:00
2-Hexanone	250	303		ug/L	121%	60 - 150	10E4076	05/19/10 22:00
Isopropylbenzene	50.0	62.3	L, L1	ug/L	125%	69 - 120	10E4076	05/19/10 22:00
p-Isopropyltoluene	50.0	57.4		ug/L	115%	72 - 134	10E4076	05/19/10 22:00
Methyl tert-Butyl Ether	50.0	56.7		ug/L	113%	76 - 120	10E4076	05/19/10 22:00
Methylene Chloride	50.0	53.2		ug/L	106%	80 - 133	10E4076	05/19/10 22:00
4-Methyl-2-pentanone	250	286		ug/L	114%	62 - 146	10E4076	05/19/10 22:00
Naphthalene	50.0	55.7		ug/L	111%	71 - 139	10E4076	05/19/10 22:00
n-Propylbenzene	50.0	56.2		ug/L	112%	70 - 143	10E4076	05/19/10 22:00
Styrene	50.0	58.2		ug/L	116%	80 - 136	10E4076	05/19/10 22:00
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L	105%	80 - 130	10E4076	05/19/10 22:00
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/L	111%	73 - 131	10E4076	05/19/10 22:00
Tetrachloroethene	50.0	54.2		ug/L	108%	77 - 131	10E4076	05/19/10 22:00
Toluene	50.0	55.7		ug/L	111%	78 - 125	10E4076	05/19/10 22:00
1,2,3-Trichlorobenzene	50.0	58.8		ug/L	118%	71 - 138	10E4076	05/19/10 22:00
1,2,4-Trichlorobenzene	50.0	59.7		ug/L	119%	74 - 136	10E4076	05/19/10 22:00
1,1,2-Trichloroethane	50.0	56.0		ug/L	112%	80 - 123	10E4076	05/19/10 22:00
1,1,1-Trichloroethane	50.0	57.2		ug/L	114%	75 - 137	10E4076	05/19/10 22:00
Trichloroethene	50.0	53.9		ug/L	108%	74 - 139	10E4076	05/19/10 22:00
Trichlorofluoromethane	50.0	44.4		ug/L	89%	60 - 133	10E4076	05/19/10 22:00
1,2,3-Trichloropropane	50.0	55.0		ug/L	110%	64 - 127	10E4076	05/19/10 22:00

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E4076-BS1								
1,3,5-Trimethylbenzene	50.0	56.5		ug/L	113%	75 - 134	10E4076	05/19/10 22:00
1,2,4-Trimethylbenzene	50.0	54.0		ug/L	108%	77 - 134	10E4076	05/19/10 22:00
Vinyl chloride	50.0	45.2		ug/L	90%	60 - 122	10E4076	05/19/10 22:00
Xylenes, total	150	163		ug/L	109%	78 - 134	10E4076	05/19/10 22:00
Surrogate: 1,2-Dichloroethane-d4	25.0	24.7			99%	63 - 140	10E4076	05/19/10 22:00
Surrogate: Dibromofluoromethane	25.0	25.6			102%	73 - 131	10E4076	05/19/10 22:00
Surrogate: Toluene-d8	25.0	25.2			101%	80 - 120	10E4076	05/19/10 22:00
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	79 - 125	10E4076	05/19/10 22:00
10E4124-BS1								
Acetone	250	260		ug/L	104%	56 - 150	10E4124	05/20/10 10:45
Benzene	50.0	50.6		ug/L	101%	80 - 121	10E4124	05/20/10 10:45
Bromobenzene	50.0	51.8		ug/L	104%	72 - 130	10E4124	05/20/10 10:45
Bromochloromethane	50.0	53.2		ug/L	106%	73 - 137	10E4124	05/20/10 10:45
Bromodichloromethane	50.0	48.4		ug/L	97%	75 - 131	10E4124	05/20/10 10:45
Bromoform	50.0	47.4		ug/L	95%	65 - 140	10E4124	05/20/10 10:45
Bromomethane	50.0	53.4		ug/L	107%	50 - 150	10E4124	05/20/10 10:45
2-Butanone	250	269		ug/L	108%	70 - 144	10E4124	05/20/10 10:45
sec-Butylbenzene	50.0	53.8		ug/L	108%	72 - 140	10E4124	05/20/10 10:45
n-Butylbenzene	50.0	54.6		ug/L	109%	68 - 140	10E4124	05/20/10 10:45
tert-Butylbenzene	50.0	53.9		ug/L	108%	76 - 135	10E4124	05/20/10 10:45
Carbon disulfide	50.0	53.7		ug/L	107%	74 - 137	10E4124	05/20/10 10:45
Carbon Tetrachloride	50.0	48.8		ug/L	98%	71 - 137	10E4124	05/20/10 10:45
Chlorobenzene	50.0	52.6		ug/L	105%	80 - 121	10E4124	05/20/10 10:45
Chlorodibromomethane	50.0	49.8		ug/L	100%	68 - 137	10E4124	05/20/10 10:45
Chloroethane	50.0	42.2		ug/L	84%	50 - 146	10E4124	05/20/10 10:45
Chloroform	50.0	49.8		ug/L	100%	73 - 131	10E4124	05/20/10 10:45
Chloromethane	50.0	42.7		ug/L	85%	30 - 132	10E4124	05/20/10 10:45
2-Chlorotoluene	50.0	51.4		ug/L	103%	74 - 135	10E4124	05/20/10 10:45
4-Chlorotoluene	50.0	53.0		ug/L	106%	74 - 132	10E4124	05/20/10 10:45
1,2-Dibromo-3-chloropropane	50.0	49.5		ug/L	99%	56 - 145	10E4124	05/20/10 10:45
1,2-Dibromoethane (EDB)	50.0	56.9		ug/L	114%	80 - 135	10E4124	05/20/10 10:45
Dibromomethane	50.0	52.9		ug/L	106%	78 - 133	10E4124	05/20/10 10:45
1,4-Dichlorobenzene	50.0	52.8		ug/L	106%	80 - 120	10E4124	05/20/10 10:45
1,3-Dichlorobenzene	50.0	53.1		ug/L	106%	80 - 128	10E4124	05/20/10 10:45
1,2-Dichlorobenzene	50.0	54.2		ug/L	108%	80 - 125	10E4124	05/20/10 10:45
Dichlorodifluoromethane	50.0	38.8		ug/L	78%	30 - 132	10E4124	05/20/10 10:45
1,1-Dichloroethane	50.0	57.5		ug/L	115%	75 - 125	10E4124	05/20/10 10:45
1,2-Dichloroethane	50.0	50.7		ug/L	101%	70 - 134	10E4124	05/20/10 10:45
cis-1,2-Dichloroethene	50.0	52.5		ug/L	105%	71 - 132	10E4124	05/20/10 10:45
1,1-Dichloroethene	50.0	47.3		ug/L	95%	73 - 125	10E4124	05/20/10 10:45

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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								
10E4124-BS1								
trans-1,2-Dichloroethene	50.0	49.7		ug/L	99%	77 - 125	10E4124	05/20/10 10:45
1,3-Dichloropropane	50.0	55.0		ug/L	110%	76 - 125	10E4124	05/20/10 10:45
1,2-Dichloropropane	50.0	51.5		ug/L	103%	72 - 120	10E4124	05/20/10 10:45
2,2-Dichloropropane	50.0	55.5		ug/L	111%	50 - 150	10E4124	05/20/10 10:45
cis-1,3-Dichloropropene	50.0	52.9		ug/L	106%	70 - 140	10E4124	05/20/10 10:45
trans-1,3-Dichloropropene	50.0	50.0		ug/L	100%	62 - 139	10E4124	05/20/10 10:45
1,1-Dichloropropene	50.0	52.5		ug/L	105%	78 - 126	10E4124	05/20/10 10:45
Ethylbenzene	50.0	52.6		ug/L	105%	78 - 133	10E4124	05/20/10 10:45
Hexachlorobutadiene	50.0	51.0		ug/L	102%	70 - 150	10E4124	05/20/10 10:45
2-Hexanone	250	298		ug/L	119%	60 - 150	10E4124	05/20/10 10:45
Isopropylbenzene	50.0	59.7		ug/L	119%	69 - 120	10E4124	05/20/10 10:45
p-Isopropyltoluene	50.0	53.2		ug/L	106%	72 - 134	10E4124	05/20/10 10:45
Methyl tert-Butyl Ether	50.0	51.8		ug/L	104%	76 - 120	10E4124	05/20/10 10:45
Methylene Chloride	50.0	51.3		ug/L	103%	80 - 133	10E4124	05/20/10 10:45
4-Methyl-2-pentanone	250	280		ug/L	112%	62 - 146	10E4124	05/20/10 10:45
Naphthalene	50.0	53.9		ug/L	108%	71 - 139	10E4124	05/20/10 10:45
n-Propylbenzene	50.0	52.8		ug/L	106%	70 - 143	10E4124	05/20/10 10:45
Styrene	50.0	56.0		ug/L	112%	80 - 136	10E4124	05/20/10 10:45
1,1,1,2-Tetrachloroethane	50.0	50.6		ug/L	101%	80 - 130	10E4124	05/20/10 10:45
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L	107%	73 - 131	10E4124	05/20/10 10:45
Tetrachloroethene	50.0	52.1		ug/L	104%	77 - 131	10E4124	05/20/10 10:45
Toluene	50.0	53.4		ug/L	107%	78 - 125	10E4124	05/20/10 10:45
1,2,3-Trichlorobenzene	50.0	55.9		ug/L	112%	71 - 138	10E4124	05/20/10 10:45
1,2,4-Trichlorobenzene	50.0	57.0		ug/L	114%	74 - 136	10E4124	05/20/10 10:45
1,1,2-Trichloroethane	50.0	54.6		ug/L	109%	80 - 123	10E4124	05/20/10 10:45
1,1,1-Trichloroethane	50.0	55.7		ug/L	111%	75 - 137	10E4124	05/20/10 10:45
Trichloroethene	50.0	53.1		ug/L	106%	74 - 139	10E4124	05/20/10 10:45
Trichlorofluoromethane	50.0	43.3		ug/L	87%	60 - 133	10E4124	05/20/10 10:45
1,2,3-Trichloropropane	50.0	53.8		ug/L	108%	64 - 127	10E4124	05/20/10 10:45
1,3,5-Trimethylbenzene	50.0	53.4		ug/L	107%	75 - 134	10E4124	05/20/10 10:45
1,2,4-Trimethylbenzene	50.0	50.9		ug/L	102%	77 - 134	10E4124	05/20/10 10:45
Vinyl chloride	50.0	43.6		ug/L	87%	60 - 122	10E4124	05/20/10 10:45
Xylenes, total	150	156		ug/L	104%	78 - 134	10E4124	05/20/10 10:45
Surrogate: 1,2-Dichloroethane-d4	25.0	24.7			99%	63 - 140	10E4124	05/20/10 10:45
Surrogate: Dibromofluoromethane	25.0	25.7			103%	73 - 131	10E4124	05/20/10 10:45
Surrogate: Toluene-d8	25.0	25.1			100%	80 - 120	10E4124	05/20/10 10:45
Surrogate: 4-Bromofluorobenzene	25.0	24.3			97%	79 - 125	10E4124	05/20/10 10:45

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

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												
10E2142-BSD1												
Ethene		2090		ug/L	2340	89%	80 - 120	7	29	10E2142		05/20/10 13:35
Methane		1250		ug/L	1330	94%	80 - 120	7	33	10E2142		05/20/10 13:35
Surrogate: Acetylene		2070		ug/L	2160	96%	70 - 122			10E2142		05/20/10 13:35
Surrogate: Acetylene		2070		ug/L	2160	96%	70 - 122			10E2142		05/20/10 13:35
Volatile Organic Compounds by EPA Method 8260B												
10E2791-BSD1												
Acetone		282		ug/L	250	113%	56 - 150	14	31	10E2791		05/17/10 11:31
Benzene		50.4		ug/L	50.0	101%	80 - 121	0.04	12	10E2791		05/17/10 11:31
Bromobenzene		50.9		ug/L	50.0	102%	72 - 130	2	23	10E2791		05/17/10 11:31
Bromochloromethane		45.3		ug/L	50.0	91%	73 - 137	1	32	10E2791		05/17/10 11:31
Bromodichloromethane		55.1		ug/L	50.0	110%	75 - 131	7	13	10E2791		05/17/10 11:31
Bromoform		43.7		ug/L	50.0	87%	65 - 140	2	18	10E2791		05/17/10 11:31
Bromomethane		52.0		ug/L	50.0	104%	50 - 150	1	50	10E2791		05/17/10 11:31
2-Butanone		245		ug/L	250	98%	70 - 144	3	37	10E2791		05/17/10 11:31
sec-Butylbenzene		49.6		ug/L	50.0	99%	72 - 140	0.6	21	10E2791		05/17/10 11:31
n-Butylbenzene		50.8		ug/L	50.0	102%	68 - 140	0.08	11	10E2791		05/17/10 11:31
tert-Butylbenzene		50.0		ug/L	50.0	100%	76 - 135	0.08	20	10E2791		05/17/10 11:31
Carbon disulfide		51.8		ug/L	50.0	104%	74 - 137	2	28	10E2791		05/17/10 11:31
Carbon Tetrachloride		52.8		ug/L	50.0	106%	71 - 137	0.8	26	10E2791		05/17/10 11:31
Chlorobenzene		51.6		ug/L	50.0	103%	80 - 121	2	11	10E2791		05/17/10 11:31
Chlorodibromomethane		47.4		ug/L	50.0	95%	68 - 137	3	16	10E2791		05/17/10 11:31
Chloroethane		43.4		ug/L	50.0	87%	50 - 146	1	35	10E2791		05/17/10 11:31
Chloroform		46.4		ug/L	50.0	93%	73 - 131	0.7	32	10E2791		05/17/10 11:31
Chloromethane		27.8		ug/L	50.0	56%	30 - 132	4	34	10E2791		05/17/10 11:31
2-Chlorotoluene		55.2		ug/L	50.0	110%	74 - 135	1	22	10E2791		05/17/10 11:31
4-Chlorotoluene		55.8		ug/L	50.0	112%	74 - 132	0.2	22	10E2791		05/17/10 11:31
1,2-Dibromo-3-chloropropane		37.3		ug/L	50.0	75%	56 - 145	3	21	10E2791		05/17/10 11:31
1,2-Dibromoethane (EDB)		53.8		ug/L	50.0	108%	80 - 135	2	10	10E2791		05/17/10 11:31
Dibromomethane		48.3		ug/L	50.0	97%	78 - 133	0.9	11	10E2791		05/17/10 11:31
1,4-Dichlorobenzene		50.8		ug/L	50.0	102%	80 - 120	1	10	10E2791		05/17/10 11:31
1,3-Dichlorobenzene		55.2		ug/L	50.0	110%	80 - 128	0.7	18	10E2791		05/17/10 11:31
1,2-Dichlorobenzene		53.2		ug/L	50.0	106%	80 - 125	1	11	10E2791		05/17/10 11:31
Dichlorodifluoromethane		28.0		ug/L	50.0	56%	30 - 132	0.8	32	10E2791		05/17/10 11:31
1,1-Dichloroethane		48.9		ug/L	50.0	98%	75 - 125	0.7	34	10E2791		05/17/10 11:31
1,2-Dichloroethane		44.0		ug/L	50.0	88%	70 - 134	2	25	10E2791		05/17/10 11:31
cis-1,2-Dichloroethene		49.6		ug/L	50.0	99%	71 - 132	0.5	32	10E2791		05/17/10 11:31
1,1-Dichloroethene		47.5		ug/L	50.0	95%	73 - 125	2	31	10E2791		05/17/10 11:31
trans-1,2-Dichloroethene		48.2		ug/L	50.0	96%	77 - 125	2	32	10E2791		05/17/10 11:31
1,3-Dichloropropane		50.6		ug/L	50.0	101%	76 - 125	3	20	10E2791		05/17/10 11:31
1,2-Dichloropropane		49.0		ug/L	50.0	98%	72 - 120	1	11	10E2791		05/17/10 11:31

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Attn	Joe Deatherage	Received:	05/13/10 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												
10E2791-BSD1												
2,2-Dichloropropane		57.7		ug/L	50.0	115%	50 - 150	0.03	11	10E2791		05/17/10 11:31
cis-1,3-Dichloropropene		64.6		ug/L	50.0	129%	70 - 140	1	35	10E2791		05/17/10 11:31
trans-1,3-Dichloropropene		45.8		ug/L	50.0	92%	62 - 139	3	26	10E2791		05/17/10 11:31
1,1-Dichloropropene		51.3		ug/L	50.0	103%	78 - 126	0.4	18	10E2791		05/17/10 11:31
Ethylbenzene		58.8		ug/L	50.0	118%	78 - 133	2	12	10E2791		05/17/10 11:31
Hexachlorobutadiene		58.1		ug/L	50.0	116%	70 - 150	0.2	21	10E2791		05/17/10 11:31
2-Hexanone		248		ug/L	250	99%	60 - 150	6	20	10E2791		05/17/10 11:31
Isopropylbenzene		58.9		ug/L	50.0	118%	69 - 120	1	15	10E2791		05/17/10 11:31
p-Isopropyltoluene		51.0		ug/L	50.0	102%	72 - 134	0.4	18	10E2791		05/17/10 11:31
Methyl tert-Butyl Ether		45.5		ug/L	50.0	91%	76 - 120	3	32	10E2791		05/17/10 11:31
Methylene Chloride		48.2		ug/L	50.0	96%	80 - 133	1	36	10E2791		05/17/10 11:31
4-Methyl-2-pentanone		246		ug/L	250	98%	62 - 146	4	35	10E2791		05/17/10 11:31
Naphthalene		44.5		ug/L	50.0	89%	71 - 139	3	30	10E2791		05/17/10 11:31
n-Propylbenzene		50.8		ug/L	50.0	102%	70 - 143	0.2	23	10E2791		05/17/10 11:31
Styrene		59.7		ug/L	50.0	119%	80 - 136	1	29	10E2791		05/17/10 11:31
1,1,1,2-Tetrachloroethane		58.3		ug/L	50.0	117%	80 - 130	2	11	10E2791		05/17/10 11:31
1,1,2,2-Tetrachloroethane		45.8		ug/L	50.0	92%	73 - 131	3	28	10E2791		05/17/10 11:31
Tetrachloroethene		55.4		ug/L	50.0	111%	77 - 131	1	16	10E2791		05/17/10 11:31
Toluene		52.3		ug/L	50.0	105%	78 - 125	2	35	10E2791		05/17/10 11:31
1,2,3-Trichlorobenzene		46.7		ug/L	50.0	93%	71 - 138	2	28	10E2791		05/17/10 11:31
1,2,4-Trichlorobenzene		47.7		ug/L	50.0	95%	74 - 136	1	23	10E2791		05/17/10 11:31
1,1,2-Trichloroethane		49.6		ug/L	50.0	99%	80 - 123	2	21	10E2791		05/17/10 11:31
1,1,1-Trichloroethane		50.9		ug/L	50.0	102%	75 - 137	0.8	29	10E2791		05/17/10 11:31
Trichloroethene		49.1		ug/L	50.0	98%	74 - 139	0.5	11	10E2791		05/17/10 11:31
Trichlorofluoromethane		40.7		ug/L	50.0	81%	60 - 133	1	33	10E2791		05/17/10 11:31
1,2,3-Trichloropropane		47.8		ug/L	50.0	96%	64 - 127	3	25	10E2791		05/17/10 11:31
1,3,5-Trimethylbenzene		52.8		ug/L	50.0	106%	75 - 134	0.6	21	10E2791		05/17/10 11:31
1,2,4-Trimethylbenzene		52.0		ug/L	50.0	104%	77 - 134	1	20	10E2791		05/17/10 11:31
Vinyl chloride		37.7		ug/L	50.0	75%	60 - 122	2	32	10E2791		05/17/10 11:31
Xylenes, total		178		ug/L	150	118%	78 - 134	0.8	18	10E2791		05/17/10 11:31
Surrogate: 1,2-Dichloroethane-d4		21.9		ug/L	25.0	88%	63 - 140			10E2791		05/17/10 11:31
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	73 - 131			10E2791		05/17/10 11:31
Surrogate: Toluene-d8		24.6		ug/L	25.0	98%	80 - 120			10E2791		05/17/10 11:31
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	79 - 125			10E2791		05/17/10 11:31
10E3273-BSD1												
Acetone		283		ug/L	250	113%	56 - 150	2	31	10E3273		05/18/10 12:05
Benzene		49.2		ug/L	50.0	98%	80 - 121	4	12	10E3273		05/18/10 12:05
Bromobenzene		53.2		ug/L	50.0	106%	72 - 130	4	23	10E3273		05/18/10 12:05
Bromochloromethane		49.9		ug/L	50.0	100%	73 - 137	3	32	10E3273		05/18/10 12:05
Bromodichloromethane		56.2		ug/L	50.0	112%	75 - 131	4	13	10E3273		05/18/10 12:05

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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3273-BSD1												
Bromoform		51.7		ug/L	50.0	103%	65 - 140	4	18	10E3273		05/18/10 12:05
Bromomethane		45.2		ug/L	50.0	90%	50 - 150	5	50	10E3273		05/18/10 12:05
2-Butanone		321		ug/L	250	128%	70 - 144	2	37	10E3273		05/18/10 12:05
sec-Butylbenzene		43.4		ug/L	50.0	87%	72 - 140	5	21	10E3273		05/18/10 12:05
n-Butylbenzene		44.4		ug/L	50.0	89%	68 - 140	5	11	10E3273		05/18/10 12:05
tert-Butylbenzene		45.1		ug/L	50.0	90%	76 - 135	5	20	10E3273		05/18/10 12:05
Carbon disulfide		46.8		ug/L	50.0	94%	74 - 137	5	28	10E3273		05/18/10 12:05
Carbon Tetrachloride		49.7		ug/L	50.0	99%	71 - 137	5	26	10E3273		05/18/10 12:05
Chlorobenzene		51.5		ug/L	50.0	103%	80 - 121	6	11	10E3273		05/18/10 12:05
Chlorodibromomethane		52.1		ug/L	50.0	104%	68 - 137	4	16	10E3273		05/18/10 12:05
Chloroethane		41.2		ug/L	50.0	82%	50 - 146	4	35	10E3273		05/18/10 12:05
Chloroform		47.3		ug/L	50.0	95%	73 - 131	4	32	10E3273		05/18/10 12:05
Chloromethane		21.2		ug/L	50.0	42%	30 - 132	15	34	10E3273		05/18/10 12:05
2-Chlorotoluene		53.1		ug/L	50.0	106%	74 - 135	4	22	10E3273		05/18/10 12:05
4-Chlorotoluene		54.1		ug/L	50.0	108%	74 - 132	4	22	10E3273		05/18/10 12:05
1,2-Dibromo-3-chloropropane		49.5		ug/L	50.0	99%	56 - 145	2	21	10E3273		05/18/10 12:05
1,2-Dibromoethane (EDB)		63.6		ug/L	50.0	127%	80 - 135	3	10	10E3273		05/18/10 12:05
Dibromomethane		51.2		ug/L	50.0	102%	78 - 133	3	11	10E3273		05/18/10 12:05
1,4-Dichlorobenzene		50.9		ug/L	50.0	102%	80 - 120	4	10	10E3273		05/18/10 12:05
1,3-Dichlorobenzene		54.9		ug/L	50.0	110%	80 - 128	4	18	10E3273		05/18/10 12:05
1,2-Dichlorobenzene		55.8		ug/L	50.0	112%	80 - 125	4	11	10E3273		05/18/10 12:05
Dichlorodifluoromethane		28.6		ug/L	50.0	57%	30 - 132	5	32	10E3273		05/18/10 12:05
1,1-Dichloroethane		48.6		ug/L	50.0	97%	75 - 125	3	34	10E3273		05/18/10 12:05
1,2-Dichloroethane		50.4		ug/L	50.0	101%	70 - 134	4	25	10E3273		05/18/10 12:05
cis-1,2-Dichloroethene		49.5		ug/L	50.0	99%	71 - 132	4	32	10E3273		05/18/10 12:05
1,1-Dichloroethene		45.7		ug/L	50.0	91%	73 - 125	4	31	10E3273		05/18/10 12:05
trans-1,2-Dichloroethene		47.1		ug/L	50.0	94%	77 - 125	4	32	10E3273		05/18/10 12:05
1,3-Dichloropropane		58.5		ug/L	50.0	117%	76 - 125	5	20	10E3273		05/18/10 12:05
1,2-Dichloropropane		47.9		ug/L	50.0	96%	72 - 120	3	11	10E3273		05/18/10 12:05
2,2-Dichloropropane		48.6		ug/L	50.0	97%	50 - 150	3	11	10E3273		05/18/10 12:05
cis-1,3-Dichloropropene		57.2		ug/L	50.0	114%	70 - 140	5	35	10E3273		05/18/10 12:05
trans-1,3-Dichloropropene		47.9		ug/L	50.0	96%	62 - 139	4	26	10E3273		05/18/10 12:05
1,1-Dichloropropene		48.2		ug/L	50.0	96%	78 - 126	4	18	10E3273		05/18/10 12:05
Ethylbenzene		56.6		ug/L	50.0	113%	78 - 133	6	12	10E3273		05/18/10 12:05
Hexachlorobutadiene		48.8		ug/L	50.0	98%	70 - 150	4	21	10E3273		05/18/10 12:05
2-Hexanone		342		ug/L	250	137%	60 - 150	4	20	10E3273		05/18/10 12:05
Isopropylbenzene		54.8		ug/L	50.0	110%	69 - 120	7	15	10E3273		05/18/10 12:05
p-Isopropyltoluene		45.7		ug/L	50.0	91%	72 - 134	4	18	10E3273		05/18/10 12:05
Methyl tert-Butyl Ether		49.4		ug/L	50.0	99%	76 - 120	1	32	10E3273		05/18/10 12:05
Methylene Chloride		50.2		ug/L	50.0	100%	80 - 133	4	36	10E3273		05/18/10 12:05
4-Methyl-2-pentanone		346		ug/L	250	139%	62 - 146	4	35	10E3273		05/18/10 12:05

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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3273-BSD1												
Naphthalene		57.2		ug/L	50.0	114%	71 - 139	2	30	10E3273		05/18/10 12:05
n-Propylbenzene		46.4		ug/L	50.0	93%	70 - 143	5	23	10E3273		05/18/10 12:05
Styrene		60.0		ug/L	50.0	120%	80 - 136	6	29	10E3273		05/18/10 12:05
1,1,1,2-Tetrachloroethane		59.0		ug/L	50.0	118%	80 - 130	5	11	10E3273		05/18/10 12:05
1,1,2,2-Tetrachloroethane		57.9		ug/L	50.0	116%	73 - 131	3	28	10E3273		05/18/10 12:05
Tetrachloroethene		50.5		ug/L	50.0	101%	77 - 131	6	16	10E3273		05/18/10 12:05
Toluene		51.2		ug/L	50.0	102%	78 - 125	6	35	10E3273		05/18/10 12:05
1,2,3-Trichlorobenzene		54.0		ug/L	50.0	108%	71 - 138	2	28	10E3273		05/18/10 12:05
1,2,4-Trichlorobenzene		50.7		ug/L	50.0	101%	74 - 136	2	23	10E3273		05/18/10 12:05
1,1,2-Trichloroethane		57.6		ug/L	50.0	115%	80 - 123	5	21	10E3273		05/18/10 12:05
1,1,1-Trichloroethane		48.7		ug/L	50.0	97%	75 - 137	3	29	10E3273		05/18/10 12:05
Trichloroethene		47.8		ug/L	50.0	96%	74 - 139	4	11	10E3273		05/18/10 12:05
Trichlorofluoromethane		39.3		ug/L	50.0	79%	60 - 133	5	33	10E3273		05/18/10 12:05
1,2,3-Trichloropropane		57.2		ug/L	50.0	114%	64 - 127	3	25	10E3273		05/18/10 12:05
1,3,5-Trimethylbenzene		49.7		ug/L	50.0	99%	75 - 134	4	21	10E3273		05/18/10 12:05
1,2,4-Trimethylbenzene		49.7		ug/L	50.0	99%	77 - 134	4	20	10E3273		05/18/10 12:05
Vinyl chloride		38.5		ug/L	50.0	77%	60 - 122	4	32	10E3273		05/18/10 12:05
Xylenes, total		172		ug/L	150	115%	78 - 134	6	18	10E3273		05/18/10 12:05
Surrogate: 1,2-Dichloroethane-d4		24.4		ug/L	25.0	97%	63 - 140			10E3273		05/18/10 12:05
Surrogate: Dibromofluoromethane		25.1		ug/L	25.0	101%	73 - 131			10E3273		05/18/10 12:05
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	80 - 120			10E3273		05/18/10 12:05
Surrogate: 4-Bromofluorobenzene		24.3		ug/L	25.0	97%	79 - 125			10E3273		05/18/10 12:05
10E3300-BSD1												
Acetone		179		ug/L	250	71%	56 - 150	2	31	10E3300		05/19/10 00:11
Benzene		49.0		ug/L	50.0	98%	80 - 121	1	12	10E3300		05/19/10 00:11
Bromobenzene		48.1		ug/L	50.0	96%	72 - 130	2	23	10E3300		05/19/10 00:11
Bromochloromethane		40.8		ug/L	50.0	82%	73 - 137	2	32	10E3300		05/19/10 00:11
Bromodichloromethane		50.2		ug/L	50.0	100%	75 - 131	2	13	10E3300		05/19/10 00:11
Bromoform		35.9		ug/L	50.0	72%	65 - 140	3	18	10E3300		05/19/10 00:11
Bromomethane		48.5		ug/L	50.0	97%	50 - 150	0.02	50	10E3300		05/19/10 00:11
2-Butanone		186		ug/L	250	74%	70 - 144	5	37	10E3300		05/19/10 00:11
sec-Butylbenzene		48.6		ug/L	50.0	97%	72 - 140	1	21	10E3300		05/19/10 00:11
n-Butylbenzene		48.9		ug/L	50.0	98%	68 - 140	0.5	11	10E3300		05/19/10 00:11
tert-Butylbenzene		48.9		ug/L	50.0	98%	76 - 135	1	20	10E3300		05/19/10 00:11
Carbon disulfide		48.6		ug/L	50.0	97%	74 - 137	0.6	28	10E3300		05/19/10 00:11
Carbon Tetrachloride		48.3		ug/L	50.0	97%	71 - 137	2	26	10E3300		05/19/10 00:11
Chlorobenzene		46.5		ug/L	50.0	93%	80 - 121	1	11	10E3300		05/19/10 00:11
Chlorodibromomethane		40.3		ug/L	50.0	81%	68 - 137	1	16	10E3300		05/19/10 00:11
Chloroethane		41.1		ug/L	50.0	82%	50 - 146	0.4	35	10E3300		05/19/10 00:11
Chloroform		42.9		ug/L	50.0	86%	73 - 131	1	32	10E3300		05/19/10 00:11

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3300-BSD1												
Chloromethane		23.4		ug/L	50.0	47%	30 - 132	2	34	10E3300		05/19/10 00:11
2-Chlorotoluene		53.2		ug/L	50.0	106%	74 - 135	2	22	10E3300		05/19/10 00:11
4-Chlorotoluene		53.3		ug/L	50.0	107%	74 - 132	2	22	10E3300		05/19/10 00:11
1,2-Dibromo-3-chloropropane		32.7		ug/L	50.0	65%	56 - 145	4	21	10E3300		05/19/10 00:11
1,2-Dibromoethane (EDB)		45.8		ug/L	50.0	92%	80 - 135	3	10	10E3300		05/19/10 00:11
Dibromomethane		45.1		ug/L	50.0	90%	78 - 133	2	11	10E3300		05/19/10 00:11
1,4-Dichlorobenzene		46.8		ug/L	50.0	94%	80 - 120	1	10	10E3300		05/19/10 00:11
1,3-Dichlorobenzene		51.5		ug/L	50.0	103%	80 - 128	2	18	10E3300		05/19/10 00:11
1,2-Dichlorobenzene		48.2		ug/L	50.0	96%	80 - 125	2	11	10E3300		05/19/10 00:11
Dichlorodifluoromethane		23.4		ug/L	50.0	47%	30 - 132	0.4	32	10E3300		05/19/10 00:11
1,1-Dichloroethane		47.9		ug/L	50.0	96%	75 - 125	1	34	10E3300		05/19/10 00:11
1,2-Dichloroethane		40.5		ug/L	50.0	81%	70 - 134	2	25	10E3300		05/19/10 00:11
cis-1,2-Dichloroethene		47.3		ug/L	50.0	95%	71 - 132	1	32	10E3300		05/19/10 00:11
1,1-Dichloroethene		43.0		ug/L	50.0	86%	73 - 125	0.09	31	10E3300		05/19/10 00:11
trans-1,2-Dichloroethene		46.4		ug/L	50.0	93%	77 - 125	0.1	32	10E3300		05/19/10 00:11
1,3-Dichloropropane		44.2		ug/L	50.0	88%	76 - 125	2	20	10E3300		05/19/10 00:11
1,2-Dichloropropane		48.2		ug/L	50.0	96%	72 - 120	2	11	10E3300		05/19/10 00:11
2,2-Dichloropropane		49.4		ug/L	50.0	99%	50 - 150	0.02	11	10E3300		05/19/10 00:11
cis-1,3-Dichloropropene		60.7		ug/L	50.0	121%	70 - 140	2	35	10E3300		05/19/10 00:11
trans-1,3-Dichloropropene		39.5		ug/L	50.0	79%	62 - 139	2	26	10E3300		05/19/10 00:11
1,1-Dichloropropene		49.1		ug/L	50.0	98%	78 - 126	0.9	18	10E3300		05/19/10 00:11
Ethylbenzene		53.9		ug/L	50.0	108%	78 - 133	0.8	12	10E3300		05/19/10 00:11
Hexachlorobutadiene		57.1		ug/L	50.0	114%	70 - 150	2	21	10E3300		05/19/10 00:11
2-Hexanone		184		ug/L	250	73%	60 - 150	5	20	10E3300		05/19/10 00:11
Isopropylbenzene		54.0		ug/L	50.0	108%	69 - 120	0.8	15	10E3300		05/19/10 00:11
p-Isopropyltoluene		48.7		ug/L	50.0	97%	72 - 134	1	18	10E3300		05/19/10 00:11
Methyl tert-Butyl Ether		41.0		ug/L	50.0	82%	76 - 120	3	32	10E3300		05/19/10 00:11
Methylene Chloride		43.0		ug/L	50.0	86%	80 - 133	0.6	36	10E3300		05/19/10 00:11
4-Methyl-2-pentanone		196		ug/L	250	79%	62 - 146	4	35	10E3300		05/19/10 00:11
Naphthalene		38.2		ug/L	50.0	76%	71 - 139	5	30	10E3300		05/19/10 00:11
n-Propylbenzene		49.0		ug/L	50.0	98%	70 - 143	2	23	10E3300		05/19/10 00:11
Styrene		53.5		ug/L	50.0	107%	80 - 136	0.9	29	10E3300		05/19/10 00:11
1,1,1,2-Tetrachloroethane		52.4		ug/L	50.0	105%	80 - 130	1	11	10E3300		05/19/10 00:11
1,1,2,2-Tetrachloroethane		39.5		ug/L	50.0	79%	73 - 131	3	28	10E3300		05/19/10 00:11
Tetrachloroethene		50.0		ug/L	50.0	100%	77 - 131	0.5	16	10E3300		05/19/10 00:11
Toluene		48.3		ug/L	50.0	97%	78 - 125	0.8	35	10E3300		05/19/10 00:11
1,2,3-Trichlorobenzene		40.7		ug/L	50.0	81%	71 - 138	2	28	10E3300		05/19/10 00:11
1,2,4-Trichlorobenzene		43.3		ug/L	50.0	87%	74 - 136	2	23	10E3300		05/19/10 00:11
1,1,2-Trichloroethane		42.5		ug/L	50.0	85%	80 - 123	2	21	10E3300		05/19/10 00:11
1,1,1-Trichloroethane		48.2		ug/L	50.0	96%	75 - 137	2	29	10E3300		05/19/10 00:11
Trichloroethene		46.2		ug/L	50.0	92%	74 - 139	0.4	11	10E3300		05/19/10 00:11

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3300-BSD1												
Trichlorofluoromethane		36.4		ug/L	50.0	73%	60 - 133	0.2	33	10E3300		05/19/10 00:11
1,2,3-Trichloropropane		41.5		ug/L	50.0	83%	64 - 127	3	25	10E3300		05/19/10 00:11
1,3,5-Trimethylbenzene		50.4		ug/L	50.0	101%	75 - 134	2	21	10E3300		05/19/10 00:11
1,2,4-Trimethylbenzene		49.6		ug/L	50.0	99%	77 - 134	1	20	10E3300		05/19/10 00:11
Vinyl chloride		34.3		ug/L	50.0	69%	60 - 122	0.1	32	10E3300		05/19/10 00:11
Xylenes, total		162		ug/L	150	108%	78 - 134	0.5	18	10E3300		05/19/10 00:11
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	63 - 140			10E3300		05/19/10 00:11
Surrogate: Dibromofluoromethane		23.4		ug/L	25.0	94%	73 - 131			10E3300		05/19/10 00:11
Surrogate: Toluene-d8		24.4		ug/L	25.0	98%	80 - 120			10E3300		05/19/10 00:11
Surrogate: 4-Bromofluorobenzene		25.9		ug/L	25.0	104%	79 - 125			10E3300		05/19/10 00:11
10E3652-BSD1												
Acetone		258		ug/L	250	103%	56 - 150	6	31	10E3652		05/20/10 21:00
Benzene		53.7		ug/L	50.0	107%	80 - 121	2	12	10E3652		05/20/10 21:00
Bromobenzene		57.0		ug/L	50.0	114%	72 - 130	0.8	23	10E3652		05/20/10 21:00
Bromochloromethane		50.9		ug/L	50.0	102%	73 - 137	0.8	32	10E3652		05/20/10 21:00
Bromodichloromethane		58.1		ug/L	50.0	116%	75 - 131	2	13	10E3652		05/20/10 21:00
Bromoform		47.3		ug/L	50.0	95%	65 - 140	0.9	18	10E3652		05/20/10 21:00
Bromomethane		64.2		ug/L	50.0	128%	50 - 150	3	50	10E3652		05/20/10 21:00
2-Butanone		272		ug/L	250	109%	70 - 144	2	37	10E3652		05/20/10 21:00
sec-Butylbenzene		57.3		ug/L	50.0	115%	72 - 140	0.4	21	10E3652		05/20/10 21:00
n-Butylbenzene		56.8		ug/L	50.0	114%	68 - 140	0.5	11	10E3652		05/20/10 21:00
tert-Butylbenzene		58.4		ug/L	50.0	117%	76 - 135	2	20	10E3652		05/20/10 21:00
Carbon disulfide		51.2		ug/L	50.0	102%	74 - 137	0.04	28	10E3652		05/20/10 21:00
Carbon Tetrachloride		59.9		ug/L	50.0	120%	71 - 137	1	26	10E3652		05/20/10 21:00
Chlorobenzene		54.3		ug/L	50.0	109%	80 - 121	1	11	10E3652		05/20/10 21:00
Chlorodibromomethane		51.7		ug/L	50.0	103%	68 - 137	0.08	16	10E3652		05/20/10 21:00
Chloroethane		53.8		ug/L	50.0	108%	50 - 146	0.4	35	10E3652		05/20/10 21:00
Chloroform		52.4		ug/L	50.0	105%	73 - 131	2	32	10E3652		05/20/10 21:00
Chloromethane		34.8		ug/L	50.0	70%	30 - 132	6	34	10E3652		05/20/10 21:00
2-Chlorotoluene		57.1		ug/L	50.0	114%	74 - 135	2	22	10E3652		05/20/10 21:00
4-Chlorotoluene		59.2		ug/L	50.0	118%	74 - 132	0.1	22	10E3652		05/20/10 21:00
1,2-Dibromo-3-chloropropane		47.4		ug/L	50.0	95%	56 - 145	2	21	10E3652		05/20/10 21:00
1,2-Dibromoethane (EDB)		56.8		ug/L	50.0	114%	80 - 135	0.5	10	10E3652		05/20/10 21:00
Dibromomethane		53.4		ug/L	50.0	107%	78 - 133	2	11	10E3652		05/20/10 21:00
1,4-Dichlorobenzene		54.7		ug/L	50.0	109%	80 - 120	1	10	10E3652		05/20/10 21:00
1,3-Dichlorobenzene		55.3		ug/L	50.0	111%	80 - 128	0.6	18	10E3652		05/20/10 21:00
1,2-Dichlorobenzene		54.9		ug/L	50.0	110%	80 - 125	0.3	11	10E3652		05/20/10 21:00
Dichlorodifluoromethane		37.4		ug/L	50.0	75%	30 - 132	0.4	32	10E3652		05/20/10 21:00
1,1-Dichloroethane		55.1		ug/L	50.0	110%	75 - 125	0.04	34	10E3652		05/20/10 21:00
1,2-Dichloroethane		55.1		ug/L	50.0	110%	70 - 134	0.6	25	10E3652		05/20/10 21:00

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3652-BSD1												
cis-1,2-Dichloroethene		53.5		ug/L	50.0	107%	71 - 132	0.7	32	10E3652		05/20/10 21:00
1,1-Dichloroethene		52.3		ug/L	50.0	105%	73 - 125	0.3	31	10E3652		05/20/10 21:00
trans-1,2-Dichloroethene		54.6		ug/L	50.0	109%	77 - 125	2	32	10E3652		05/20/10 21:00
1,3-Dichloropropane		55.7		ug/L	50.0	111%	76 - 125	0.09	20	10E3652		05/20/10 21:00
1,2-Dichloropropane		50.6		ug/L	50.0	101%	72 - 120	0.7	11	10E3652		05/20/10 21:00
2,2-Dichloropropane		54.7		ug/L	50.0	109%	50 - 150	2	11	10E3652		05/20/10 21:00
cis-1,3-Dichloropropene		57.0		ug/L	50.0	114%	70 - 140	1	35	10E3652		05/20/10 21:00
trans-1,3-Dichloropropene		51.7		ug/L	50.0	103%	62 - 139	0.5	26	10E3652		05/20/10 21:00
1,1-Dichloropropene		54.3		ug/L	50.0	109%	78 - 126	0.8	18	10E3652		05/20/10 21:00
Ethylbenzene		57.9		ug/L	50.0	116%	78 - 133	1	12	10E3652		05/20/10 21:00
Hexachlorobutadiene		45.4		ug/L	50.0	91%	70 - 150	0.6	21	10E3652		05/20/10 21:00
2-Hexanone		268		ug/L	250	107%	60 - 150	1	20	10E3652		05/20/10 21:00
Isopropylbenzene		62.8	L1	ug/L	50.0	126%	69 - 120	0.7	15	10E3652		05/20/10 21:00
p-Isopropyltoluene		56.6		ug/L	50.0	113%	72 - 134	0.2	18	10E3652		05/20/10 21:00
Methyl tert-Butyl Ether		58.1		ug/L	50.0	116%	76 - 120	0.5	32	10E3652		05/20/10 21:00
Methylene Chloride		49.6		ug/L	50.0	99%	80 - 133	0.6	36	10E3652		05/20/10 21:00
4-Methyl-2-pentanone		265		ug/L	250	106%	62 - 146	1	35	10E3652		05/20/10 21:00
Naphthalene		50.9		ug/L	50.0	102%	71 - 139	0.4	30	10E3652		05/20/10 21:00
n-Propylbenzene		59.4		ug/L	50.0	119%	70 - 143	1	23	10E3652		05/20/10 21:00
Styrene		58.9		ug/L	50.0	118%	80 - 136	1	29	10E3652		05/20/10 21:00
1,1,1,2-Tetrachloroethane		53.6		ug/L	50.0	107%	80 - 130	0.9	11	10E3652		05/20/10 21:00
1,1,2,2-Tetrachloroethane		57.2		ug/L	50.0	114%	73 - 131	1	28	10E3652		05/20/10 21:00
Tetrachloroethene		55.7		ug/L	50.0	111%	77 - 131	0.3	16	10E3652		05/20/10 21:00
Toluene		56.5		ug/L	50.0	113%	78 - 125	1	35	10E3652		05/20/10 21:00
1,2,3-Trichlorobenzene		44.5		ug/L	50.0	89%	71 - 138	0.5	28	10E3652		05/20/10 21:00
1,2,4-Trichlorobenzene		45.5		ug/L	50.0	91%	74 - 136	1	23	10E3652		05/20/10 21:00
1,1,2-Trichloroethane		54.2		ug/L	50.0	108%	80 - 123	0.7	21	10E3652		05/20/10 21:00
1,1,1-Trichloroethane		55.7		ug/L	50.0	111%	75 - 137	2	29	10E3652		05/20/10 21:00
Trichloroethene		53.0		ug/L	50.0	106%	74 - 139	0.7	11	10E3652		05/20/10 21:00
Trichlorofluoromethane		45.2		ug/L	50.0	90%	60 - 133	0.6	33	10E3652		05/20/10 21:00
1,2,3-Trichloropropane		57.4		ug/L	50.0	115%	64 - 127	0.03	25	10E3652		05/20/10 21:00
1,3,5-Trimethylbenzene		60.9		ug/L	50.0	122%	75 - 134	0.8	21	10E3652		05/20/10 21:00
1,2,4-Trimethylbenzene		57.4		ug/L	50.0	115%	77 - 134	0.8	20	10E3652		05/20/10 21:00
Vinyl chloride		42.7		ug/L	50.0	85%	60 - 122	0.2	32	10E3652		05/20/10 21:00
Xylenes, total		179		ug/L	150	119%	78 - 134	1	18	10E3652		05/20/10 21:00
Surrogate: 1,2-Dichloroethane-d4		23.7		ug/L	25.0	95%	63 - 140			10E3652		05/20/10 21:00
Surrogate: Dibromofluoromethane		24.6		ug/L	25.0	99%	73 - 131			10E3652		05/20/10 21:00
Surrogate: Toluene-d8		25.4		ug/L	25.0	102%	80 - 120			10E3652		05/20/10 21:00
Surrogate: 4-Bromofluorobenzene		25.8		ug/L	25.0	103%	79 - 125			10E3652		05/20/10 21:00
10E3653-BSD1												

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3653-BSD1												
Acetone		231		ug/L	250	93%	56 - 150	0.9	31	10E3653		05/21/10 08:36
Benzene		53.1		ug/L	50.0	106%	80 - 121	3	12	10E3653		05/21/10 08:36
Bromobenzene		55.5		ug/L	50.0	111%	72 - 130	0.04	23	10E3653		05/21/10 08:36
Bromochloromethane		51.0		ug/L	50.0	102%	73 - 137	0.5	32	10E3653		05/21/10 08:36
Bromodichloromethane		57.0		ug/L	50.0	114%	75 - 131	3	13	10E3653		05/21/10 08:36
Bromoform		46.3		ug/L	50.0	93%	65 - 140	0.3	18	10E3653		05/21/10 08:36
Bromomethane		62.2		ug/L	50.0	124%	50 - 150	10	50	10E3653		05/21/10 08:36
2-Butanone		260		ug/L	250	104%	70 - 144	2	37	10E3653		05/21/10 08:36
sec-Butylbenzene		56.0		ug/L	50.0	112%	72 - 140	8	21	10E3653		05/21/10 08:36
n-Butylbenzene		55.2	R2	ug/L	50.0	110%	68 - 140	14	11	10E3653		05/21/10 08:36
tert-Butylbenzene		57.3		ug/L	50.0	115%	76 - 135	3	20	10E3653		05/21/10 08:36
Carbon disulfide		50.1		ug/L	50.0	100%	74 - 137	4	28	10E3653		05/21/10 08:36
Carbon Tetrachloride		60.0		ug/L	50.0	120%	71 - 137	5	26	10E3653		05/21/10 08:36
Chlorobenzene		53.4		ug/L	50.0	107%	80 - 121	2	11	10E3653		05/21/10 08:36
Chlorodibromomethane		51.0		ug/L	50.0	102%	68 - 137	1	16	10E3653		05/21/10 08:36
Chloroethane		51.7		ug/L	50.0	103%	50 - 146	5	35	10E3653		05/21/10 08:36
Chloroform		52.1		ug/L	50.0	104%	73 - 131	4	32	10E3653		05/21/10 08:36
Chloromethane		36.7		ug/L	50.0	73%	30 - 132	16	34	10E3653		05/21/10 08:36
2-Chlorotoluene		55.3		ug/L	50.0	111%	74 - 135	0.9	22	10E3653		05/21/10 08:36
4-Chlorotoluene		57.4		ug/L	50.0	115%	74 - 132	0.4	22	10E3653		05/21/10 08:36
1,2-Dibromo-3-chloropropane		43.8		ug/L	50.0	88%	56 - 145	6	21	10E3653		05/21/10 08:36
1,2-Dibromoethane (EDB)		55.7		ug/L	50.0	111%	80 - 135	0.8	10	10E3653		05/21/10 08:36
Dibromomethane		52.3		ug/L	50.0	105%	78 - 133	1	11	10E3653		05/21/10 08:36
1,4-Dichlorobenzene		52.7		ug/L	50.0	105%	80 - 120	4	10	10E3653		05/21/10 08:36
1,3-Dichlorobenzene		53.9		ug/L	50.0	108%	80 - 128	5	18	10E3653		05/21/10 08:36
1,2-Dichlorobenzene		53.6		ug/L	50.0	107%	80 - 125	6	11	10E3653		05/21/10 08:36
Dichlorodifluoromethane		37.2		ug/L	50.0	74%	30 - 132	11	32	10E3653		05/21/10 08:36
1,1-Dichloroethane		54.4		ug/L	50.0	109%	75 - 125	3	34	10E3653		05/21/10 08:36
1,2-Dichloroethane		54.4		ug/L	50.0	109%	70 - 134	3	25	10E3653		05/21/10 08:36
cis-1,2-Dichloroethene		53.7		ug/L	50.0	107%	71 - 132	4	32	10E3653		05/21/10 08:36
1,1-Dichloroethene		51.4		ug/L	50.0	103%	73 - 125	4	31	10E3653		05/21/10 08:36
trans-1,2-Dichloroethene		53.4		ug/L	50.0	107%	77 - 125	4	32	10E3653		05/21/10 08:36
1,3-Dichloropropane		54.5		ug/L	50.0	109%	76 - 125	0.3	20	10E3653		05/21/10 08:36
1,2-Dichloropropane		50.9		ug/L	50.0	102%	72 - 120	5	11	10E3653		05/21/10 08:36
2,2-Dichloropropane		57.2		ug/L	50.0	114%	50 - 150	4	11	10E3653		05/21/10 08:36
cis-1,3-Dichloropropene		55.4		ug/L	50.0	111%	70 - 140	2	35	10E3653		05/21/10 08:36
trans-1,3-Dichloropropene		50.2		ug/L	50.0	100%	62 - 139	1	26	10E3653		05/21/10 08:36
1,1-Dichloropropene		53.8		ug/L	50.0	108%	78 - 126	3	18	10E3653		05/21/10 08:36
Ethylbenzene		57.3		ug/L	50.0	115%	78 - 133	2	12	10E3653		05/21/10 08:36
Hexachlorobutadiene		43.8		ug/L	50.0	88%	70 - 150	1	21	10E3653		05/21/10 08:36
2-Hexanone		254		ug/L	250	102%	60 - 150	2	20	10E3653		05/21/10 08:36

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3653-BSD1												
Isopropylbenzene		61.9	L1	ug/L	50.0	124%	69 - 120	3	15	10E3653		05/21/10 08:36
p-Isopropyltoluene		55.0		ug/L	50.0	110%	72 - 134	8	18	10E3653		05/21/10 08:36
Methyl tert-Butyl Ether		55.6		ug/L	50.0	111%	76 - 120	3	32	10E3653		05/21/10 08:36
Methylene Chloride		48.7		ug/L	50.0	97%	80 - 133	4	36	10E3653		05/21/10 08:36
4-Methyl-2-pentanone		254		ug/L	250	102%	62 - 146	1	35	10E3653		05/21/10 08:36
Naphthalene		47.9		ug/L	50.0	96%	71 - 139	3	30	10E3653		05/21/10 08:36
n-Propylbenzene		58.1		ug/L	50.0	116%	70 - 143	2	23	10E3653		05/21/10 08:36
Styrene		57.7		ug/L	50.0	115%	80 - 136	1	29	10E3653		05/21/10 08:36
1,1,1,2-Tetrachloroethane		52.9		ug/L	50.0	106%	80 - 130	1	11	10E3653		05/21/10 08:36
1,1,2,2-Tetrachloroethane		55.2		ug/L	50.0	110%	73 - 131	0.8	28	10E3653		05/21/10 08:36
Tetrachloroethene		55.2		ug/L	50.0	110%	77 - 131	3	16	10E3653		05/21/10 08:36
Toluene		55.3		ug/L	50.0	111%	78 - 125	2	35	10E3653		05/21/10 08:36
1,2,3-Trichlorobenzene		41.9		ug/L	50.0	84%	71 - 138	1	28	10E3653		05/21/10 08:36
1,2,4-Trichlorobenzene		42.8		ug/L	50.0	86%	74 - 136	0.5	23	10E3653		05/21/10 08:36
1,1,2-Trichloroethane		53.3		ug/L	50.0	107%	80 - 123	0.1	21	10E3653		05/21/10 08:36
1,1,1-Trichloroethane		54.8		ug/L	50.0	110%	75 - 137	4	29	10E3653		05/21/10 08:36
Trichloroethene		52.8		ug/L	50.0	106%	74 - 139	4	11	10E3653		05/21/10 08:36
Trichlorofluoromethane		43.8		ug/L	50.0	88%	60 - 133	3	33	10E3653		05/21/10 08:36
1,2,3-Trichloropropane		56.0		ug/L	50.0	112%	64 - 127	1	25	10E3653		05/21/10 08:36
1,3,5-Trimethylbenzene		59.4		ug/L	50.0	119%	75 - 134	2	21	10E3653		05/21/10 08:36
1,2,4-Trimethylbenzene		56.4		ug/L	50.0	113%	77 - 134	2	20	10E3653		05/21/10 08:36
Vinyl chloride		41.8		ug/L	50.0	84%	60 - 122	5	32	10E3653		05/21/10 08:36
Xylenes, total		175		ug/L	150	117%	78 - 134	2	18	10E3653		05/21/10 08:36
Diisopropyl Ether		55.1		ug/L	50.0	110%	63 - 136	3	32	10E3653		05/21/10 08:36
Surrogate: 1,2-Dichloroethane-d4		23.8		ug/L	25.0	95%	63 - 140			10E3653		05/21/10 08:36
Surrogate: Dibromofluoromethane		25.1		ug/L	25.0	100%	73 - 131			10E3653		05/21/10 08:36
Surrogate: Toluene-d8		25.5		ug/L	25.0	102%	80 - 120			10E3653		05/21/10 08:36
Surrogate: 4-Bromofluorobenzene		25.0		ug/L	25.0	100%	79 - 125			10E3653		05/21/10 08:36
10E4076-BSD1												
Acetone		255		ug/L	250	102%	56 - 150	0.2	31	10E4076		05/19/10 22:27
Benzene		53.3		ug/L	50.0	107%	80 - 121	0.9	12	10E4076		05/19/10 22:27
Bromobenzene		54.5		ug/L	50.0	109%	72 - 130	1	23	10E4076		05/19/10 22:27
Bromochloromethane		54.2		ug/L	50.0	108%	73 - 137	0.4	32	10E4076		05/19/10 22:27
Bromodichloromethane		50.2		ug/L	50.0	100%	75 - 131	1	13	10E4076		05/19/10 22:27
Bromoform		48.1		ug/L	50.0	96%	65 - 140	0.08	18	10E4076		05/19/10 22:27
Bromomethane		57.1		ug/L	50.0	114%	50 - 150	4	50	10E4076		05/19/10 22:27
2-Butanone		265		ug/L	250	106%	70 - 144	3	37	10E4076		05/19/10 22:27
sec-Butylbenzene		58.9		ug/L	50.0	118%	72 - 140	2	21	10E4076		05/19/10 22:27
n-Butylbenzene		60.6		ug/L	50.0	121%	68 - 140	2	11	10E4076		05/19/10 22:27
tert-Butylbenzene		58.2		ug/L	50.0	116%	76 - 135	2	20	10E4076		05/19/10 22:27

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E4076-BSD1												
Carbon disulfide		57.1		ug/L	50.0	114%	74 - 137	2	28	10E4076		05/19/10 22:27
Carbon Tetrachloride		51.3		ug/L	50.0	103%	71 - 137	1	26	10E4076		05/19/10 22:27
Chlorobenzene		55.2		ug/L	50.0	110%	80 - 121	1	11	10E4076		05/19/10 22:27
Chlorodibromomethane		51.3		ug/L	50.0	103%	68 - 137	0	16	10E4076		05/19/10 22:27
Chloroethane		44.8		ug/L	50.0	90%	50 - 146	2	35	10E4076		05/19/10 22:27
Chloroform		52.2		ug/L	50.0	104%	73 - 131	0.4	32	10E4076		05/19/10 22:27
Chloromethane		46.7		ug/L	50.0	93%	30 - 132	2	34	10E4076		05/19/10 22:27
2-Chlorotoluene		55.5		ug/L	50.0	111%	74 - 135	1	22	10E4076		05/19/10 22:27
4-Chlorotoluene		56.5		ug/L	50.0	113%	74 - 132	2	22	10E4076		05/19/10 22:27
1,2-Dibromo-3-chloropropane		49.3		ug/L	50.0	99%	56 - 145	2	21	10E4076		05/19/10 22:27
1,2-Dibromoethane (EDB)		58.0		ug/L	50.0	116%	80 - 135	0.3	10	10E4076		05/19/10 22:27
Dibromomethane		53.6		ug/L	50.0	107%	78 - 133	1	11	10E4076		05/19/10 22:27
1,4-Dichlorobenzene		55.5		ug/L	50.0	111%	80 - 120	0.6	10	10E4076		05/19/10 22:27
1,3-Dichlorobenzene		56.8		ug/L	50.0	114%	80 - 128	1	18	10E4076		05/19/10 22:27
1,2-Dichlorobenzene		56.6		ug/L	50.0	113%	80 - 125	0.8	11	10E4076		05/19/10 22:27
Dichlorodifluoromethane		40.5		ug/L	50.0	81%	30 - 132	2	32	10E4076		05/19/10 22:27
1,1-Dichloroethane		61.6		ug/L	50.0	123%	75 - 125	0.8	34	10E4076		05/19/10 22:27
1,2-Dichloroethane		52.0		ug/L	50.0	104%	70 - 134	0.6	25	10E4076		05/19/10 22:27
cis-1,2-Dichloroethene		55.4		ug/L	50.0	111%	71 - 132	1	32	10E4076		05/19/10 22:27
1,1-Dichloroethene		49.9		ug/L	50.0	100%	73 - 125	1	31	10E4076		05/19/10 22:27
trans-1,2-Dichloroethene		61.2		ug/L	50.0	122%	77 - 125	7	32	10E4076		05/19/10 22:27
1,3-Dichloropropane		56.0		ug/L	50.0	112%	76 - 125	0.6	20	10E4076		05/19/10 22:27
1,2-Dichloropropane		53.8		ug/L	50.0	108%	72 - 120	0.7	11	10E4076		05/19/10 22:27
2,2-Dichloropropane		58.3		ug/L	50.0	117%	50 - 150	2	11	10E4076		05/19/10 22:27
cis-1,3-Dichloropropene		55.0		ug/L	50.0	110%	70 - 140	0.1	35	10E4076		05/19/10 22:27
trans-1,3-Dichloropropene		51.3		ug/L	50.0	103%	62 - 139	0	26	10E4076		05/19/10 22:27
1,1-Dichloropropene		55.6		ug/L	50.0	111%	78 - 126	2	18	10E4076		05/19/10 22:27
Ethylbenzene		56.0		ug/L	50.0	112%	78 - 133	2	12	10E4076		05/19/10 22:27
Hexachlorobutadiene		55.9		ug/L	50.0	112%	70 - 150	2	21	10E4076		05/19/10 22:27
2-Hexanone		295		ug/L	250	118%	60 - 150	3	20	10E4076		05/19/10 22:27
Isopropylbenzene		63.8	L, L1	ug/L	50.0	128%	69 - 120	2	15	10E4076		05/19/10 22:27
p-Isopropyltoluene		58.1		ug/L	50.0	116%	72 - 134	1	18	10E4076		05/19/10 22:27
Methyl tert-Butyl Ether		57.6		ug/L	50.0	115%	76 - 120	2	32	10E4076		05/19/10 22:27
Methylene Chloride		53.4		ug/L	50.0	107%	80 - 133	0.5	36	10E4076		05/19/10 22:27
4-Methyl-2-pentanone		280		ug/L	250	112%	62 - 146	2	35	10E4076		05/19/10 22:27
Naphthalene		55.0		ug/L	50.0	110%	71 - 139	1	30	10E4076		05/19/10 22:27
n-Propylbenzene		57.5		ug/L	50.0	115%	70 - 143	2	23	10E4076		05/19/10 22:27
Styrene		59.2		ug/L	50.0	118%	80 - 136	2	29	10E4076		05/19/10 22:27
1,1,1,2-Tetrachloroethane		53.1		ug/L	50.0	106%	80 - 130	0.7	11	10E4076		05/19/10 22:27
1,1,2,2-Tetrachloroethane		54.4		ug/L	50.0	109%	73 - 131	2	28	10E4076		05/19/10 22:27
Tetrachloroethene		54.9		ug/L	50.0	110%	77 - 131	1	16	10E4076		05/19/10 22:27

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E4076-BSD1												
Toluene		56.4		ug/L	50.0	113%	78 - 125	1	35	10E4076		05/19/10 22:27
1,2,3-Trichlorobenzene		58.7		ug/L	50.0	117%	71 - 138	0.09	28	10E4076		05/19/10 22:27
1,2,4-Trichlorobenzene		59.7		ug/L	50.0	119%	74 - 136	0.02	23	10E4076		05/19/10 22:27
1,1,2-Trichloroethane		55.9		ug/L	50.0	112%	80 - 123	0.3	21	10E4076		05/19/10 22:27
1,1,1-Trichloroethane		58.4		ug/L	50.0	117%	75 - 137	2	29	10E4076		05/19/10 22:27
Trichloroethene		54.6		ug/L	50.0	109%	74 - 139	1	11	10E4076		05/19/10 22:27
Trichlorofluoromethane		45.0		ug/L	50.0	90%	60 - 133	1	33	10E4076		05/19/10 22:27
1,2,3-Trichloropropane		54.0		ug/L	50.0	108%	64 - 127	2	25	10E4076		05/19/10 22:27
1,3,5-Trimethylbenzene		57.7		ug/L	50.0	115%	75 - 134	2	21	10E4076		05/19/10 22:27
1,2,4-Trimethylbenzene		54.8		ug/L	50.0	110%	77 - 134	2	20	10E4076		05/19/10 22:27
Vinyl chloride		45.8		ug/L	50.0	92%	60 - 122	1	32	10E4076		05/19/10 22:27
Xylenes, total		166		ug/L	150	111%	78 - 134	2	18	10E4076		05/19/10 22:27
Surrogate: 1,2-Dichloroethane-d4		24.7		ug/L	25.0	99%	63 - 140			10E4076		05/19/10 22:27
Surrogate: Dibromofluoromethane		25.4		ug/L	25.0	102%	73 - 131			10E4076		05/19/10 22:27
Surrogate: Toluene-d8		25.1		ug/L	25.0	101%	80 - 120			10E4076		05/19/10 22:27
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	98%	79 - 125			10E4076		05/19/10 22:27
10E4124-BSD1												
Acetone		250		ug/L	250	100%	56 - 150	4	31	10E4124		05/20/10 11:12
Benzene		52.1		ug/L	50.0	104%	80 - 121	3	12	10E4124		05/20/10 11:12
Bromobenzene		53.0		ug/L	50.0	106%	72 - 130	2	23	10E4124		05/20/10 11:12
Bromochloromethane		53.6		ug/L	50.0	107%	73 - 137	0.7	32	10E4124		05/20/10 11:12
Bromodichloromethane		48.8		ug/L	50.0	98%	75 - 131	0.7	13	10E4124		05/20/10 11:12
Bromoform		48.0		ug/L	50.0	96%	65 - 140	1	18	10E4124		05/20/10 11:12
Bromomethane		57.0		ug/L	50.0	114%	50 - 150	7	50	10E4124		05/20/10 11:12
2-Butanone		265		ug/L	250	106%	70 - 144	1	37	10E4124		05/20/10 11:12
sec-Butylbenzene		54.8		ug/L	50.0	110%	72 - 140	2	21	10E4124		05/20/10 11:12
n-Butylbenzene		55.7		ug/L	50.0	111%	68 - 140	2	11	10E4124		05/20/10 11:12
tert-Butylbenzene		54.9		ug/L	50.0	110%	76 - 135	2	20	10E4124		05/20/10 11:12
Carbon disulfide		55.9		ug/L	50.0	112%	74 - 137	4	28	10E4124		05/20/10 11:12
Carbon Tetrachloride		50.2		ug/L	50.0	100%	71 - 137	3	26	10E4124		05/20/10 11:12
Chlorobenzene		53.8		ug/L	50.0	108%	80 - 121	2	11	10E4124		05/20/10 11:12
Chlorodibromomethane		50.4		ug/L	50.0	101%	68 - 137	1	16	10E4124		05/20/10 11:12
Chloroethane		43.2		ug/L	50.0	86%	50 - 146	2	35	10E4124		05/20/10 11:12
Chloroform		50.8		ug/L	50.0	102%	73 - 131	2	32	10E4124		05/20/10 11:12
Chloromethane		45.3		ug/L	50.0	91%	30 - 132	6	34	10E4124		05/20/10 11:12
2-Chlorotoluene		52.4		ug/L	50.0	105%	74 - 135	2	22	10E4124		05/20/10 11:12
4-Chlorotoluene		54.0		ug/L	50.0	108%	74 - 132	2	22	10E4124		05/20/10 11:12
1,2-Dibromo-3-chloropropane		48.9		ug/L	50.0	98%	56 - 145	1	21	10E4124		05/20/10 11:12
1,2-Dibromoethane (EDB)		57.6		ug/L	50.0	115%	80 - 135	1	10	10E4124		05/20/10 11:12
Dibromomethane		53.5		ug/L	50.0	107%	78 - 133	1	11	10E4124		05/20/10 11:12

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E4124-BSD1												
1,4-Dichlorobenzene		53.9		ug/L	50.0	108%	80 - 120	2	10	10E4124		05/20/10 11:12
1,3-Dichlorobenzene		54.3		ug/L	50.0	109%	80 - 128	2	18	10E4124		05/20/10 11:12
1,2-Dichlorobenzene		54.7		ug/L	50.0	109%	80 - 125	1	11	10E4124		05/20/10 11:12
Dichlorodifluoromethane		39.7		ug/L	50.0	79%	30 - 132	2	32	10E4124		05/20/10 11:12
1,1-Dichloroethane		50.3		ug/L	50.0	101%	75 - 125	13	34	10E4124		05/20/10 11:12
1,2-Dichloroethane		51.2		ug/L	50.0	102%	70 - 134	1	25	10E4124		05/20/10 11:12
cis-1,2-Dichloroethene		53.7		ug/L	50.0	107%	71 - 132	2	32	10E4124		05/20/10 11:12
1,1-Dichloroethene		48.7		ug/L	50.0	97%	73 - 125	3	31	10E4124		05/20/10 11:12
trans-1,2-Dichloroethene		51.7		ug/L	50.0	103%	77 - 125	4	32	10E4124		05/20/10 11:12
1,3-Dichloropropane		55.7		ug/L	50.0	111%	76 - 125	1	20	10E4124		05/20/10 11:12
1,2-Dichloropropane		52.4		ug/L	50.0	105%	72 - 120	2	11	10E4124		05/20/10 11:12
2,2-Dichloropropane		57.9		ug/L	50.0	116%	50 - 150	4	11	10E4124		05/20/10 11:12
cis-1,3-Dichloropropene		54.2		ug/L	50.0	108%	70 - 140	2	35	10E4124		05/20/10 11:12
trans-1,3-Dichloropropene		51.0		ug/L	50.0	102%	62 - 139	2	26	10E4124		05/20/10 11:12
1,1-Dichloropropene		54.4		ug/L	50.0	109%	78 - 126	4	18	10E4124		05/20/10 11:12
Ethylbenzene		54.0		ug/L	50.0	108%	78 - 133	3	12	10E4124		05/20/10 11:12
Hexachlorobutadiene		53.0		ug/L	50.0	106%	70 - 150	4	21	10E4124		05/20/10 11:12
2-Hexanone		294		ug/L	250	117%	60 - 150	1	20	10E4124		05/20/10 11:12
Isopropylbenzene		60.7	L	ug/L	50.0	121%	69 - 120	2	15	10E4124		05/20/10 11:12
p-Isopropyltoluene		54.4		ug/L	50.0	109%	72 - 134	2	18	10E4124		05/20/10 11:12
Methyl tert-Butyl Ether		52.1		ug/L	50.0	104%	76 - 120	0.6	32	10E4124		05/20/10 11:12
Methylene Chloride		51.8		ug/L	50.0	104%	80 - 133	1	36	10E4124		05/20/10 11:12
4-Methyl-2-pentanone		277		ug/L	250	111%	62 - 146	0.8	35	10E4124		05/20/10 11:12
Naphthalene		54.1		ug/L	50.0	108%	71 - 139	0.3	30	10E4124		05/20/10 11:12
n-Propylbenzene		54.3		ug/L	50.0	109%	70 - 143	3	23	10E4124		05/20/10 11:12
Styrene		57.2		ug/L	50.0	114%	80 - 136	2	29	10E4124		05/20/10 11:12
1,1,1,2-Tetrachloroethane		51.2		ug/L	50.0	102%	80 - 130	1	11	10E4124		05/20/10 11:12
1,1,2,2-Tetrachloroethane		54.2		ug/L	50.0	108%	73 - 131	1	28	10E4124		05/20/10 11:12
Tetrachloroethene		53.9		ug/L	50.0	108%	77 - 131	3	16	10E4124		05/20/10 11:12
Toluene		55.0		ug/L	50.0	110%	78 - 125	3	35	10E4124		05/20/10 11:12
1,2,3-Trichlorobenzene		56.6		ug/L	50.0	113%	71 - 138	1	28	10E4124		05/20/10 11:12
1,2,4-Trichlorobenzene		57.3		ug/L	50.0	115%	74 - 136	0.5	23	10E4124		05/20/10 11:12
1,1,2-Trichloroethane		55.4		ug/L	50.0	111%	80 - 123	1	21	10E4124		05/20/10 11:12
1,1,1-Trichloroethane		57.0		ug/L	50.0	114%	75 - 137	2	29	10E4124		05/20/10 11:12
Trichloroethene		54.6		ug/L	50.0	109%	74 - 139	3	11	10E4124		05/20/10 11:12
Trichlorofluoromethane		44.2		ug/L	50.0	88%	60 - 133	2	33	10E4124		05/20/10 11:12
1,2,3-Trichloropropane		53.5		ug/L	50.0	107%	64 - 127	0.5	25	10E4124		05/20/10 11:12
1,3,5-Trimethylbenzene		54.3		ug/L	50.0	109%	75 - 134	2	21	10E4124		05/20/10 11:12
1,2,4-Trimethylbenzene		51.9		ug/L	50.0	104%	77 - 134	2	20	10E4124		05/20/10 11:12
Vinyl chloride		44.8		ug/L	50.0	90%	60 - 122	3	32	10E4124		05/20/10 11:12
Xylenes, total		160		ug/L	150	107%	78 - 134	2	18	10E4124		05/20/10 11:12

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E4124-BSD1												
Surrogate: 1,2-Dichloroethane-d4		24.6		ug/L	25.0	98%	63 - 140			10E4124		05/20/10 11:12
Surrogate: Dibromofluoromethane		25.5		ug/L	25.0	102%	73 - 131			10E4124		05/20/10 11:12
Surrogate: Toluene-d8		25.1		ug/L	25.0	100%	80 - 120			10E4124		05/20/10 11:12
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	79 - 125			10E4124		05/20/10 11:12

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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3678-MS1										
Total Organic Carbon	2.25	22.4		mg/L	20.0	101%	74 - 134	10E3678	NTE1655-01	05/21/10 14:20
Methane, Ethane, and Ethene by GC										
10E2142-MS1										
Ethene	ND	2290		ug/L	2340	98%	71 - 120	10E2142	NTE1148-02	05/20/10 14:14
Methane	14.0	1400		ug/L	1330	104%	46 - 142	10E2142	NTE1148-02	05/20/10 14:14
Surrogate: Acetylene		2170		ug/L	2160	101%	70 - 122	10E2142	NTE1148-02	05/20/10 14:14
Surrogate: Acetylene		2170		ug/L	2160	101%	70 - 122	10E2142	NTE1148-02	05/20/10 14:14
Volatile Organic Compounds by EPA Method 8260B										
10E2254-MS1										
Acetone	ND	9430		ug/L	12500	75%	56 - 150	10E2254	NTE1198-02RE3	05/20/10 00:23
Benzene	55.5	2810		ug/L	2500	110%	65 - 151	10E2254	NTE1198-02RE3	05/20/10 00:23
Bromobenzene	ND	2600		ug/L	2500	104%	69 - 142	10E2254	NTE1198-02RE3	05/20/10 00:23
Bromochloromethane	ND	2350		ug/L	2500	94%	64 - 154	10E2254	NTE1198-02RE3	05/20/10 00:23
Bromodichloromethane	58.5	2730		ug/L	2500	107%	75 - 138	10E2254	NTE1198-02RE3	05/20/10 00:23
Bromoform	ND	1980		ug/L	2500	79%	55 - 153	10E2254	NTE1198-02RE3	05/20/10 00:23
Bromomethane	104	2740		ug/L	2500	106%	13 - 176	10E2254	NTE1198-02RE3	05/20/10 00:23
2-Butanone	ND	9720		ug/L	12500	78%	45 - 164	10E2254	NTE1198-02RE3	05/20/10 00:23
sec-Butylbenzene	39.5	2580		ug/L	2500	102%	68 - 159	10E2254	NTE1198-02RE3	05/20/10 00:23
n-Butylbenzene	65.5	2640		ug/L	2500	103%	67 - 151	10E2254	NTE1198-02RE3	05/20/10 00:23
tert-Butylbenzene	66.0	2620		ug/L	2500	102%	73 - 153	10E2254	NTE1198-02RE3	05/20/10 00:23
Carbon disulfide	ND	2880		ug/L	2500	115%	33 - 187	10E2254	NTE1198-02RE3	05/20/10 00:23
Carbon Tetrachloride	ND	2930		ug/L	2500	117%	64 - 157	10E2254	NTE1198-02RE3	05/20/10 00:23
Chlorobenzene	ND	2740		ug/L	2500	110%	78 - 136	10E2254	NTE1198-02RE3	05/20/10 00:23
Chlorodibromomethane	ND	2300		ug/L	2500	92%	64 - 145	10E2254	NTE1198-02RE3	05/20/10 00:23
Chloroethane	ND	2460		ug/L	2500	98%	48 - 159	10E2254	NTE1198-02RE3	05/20/10 00:23
Chloroform	ND	2470		ug/L	2500	99%	72 - 145	10E2254	NTE1198-02RE3	05/20/10 00:23

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E2254-MS1										
Chloromethane	ND	1460		ug/L	2500	58%	10 - 194	10E2254	NTE1198-02RE3	05/20/10 00:23
2-Chlorotoluene	ND	2940		ug/L	2500	117%	66 - 155	10E2254	NTE1198-02RE3	05/20/10 00:23
4-Chlorotoluene	ND	2950		ug/L	2500	118%	69 - 149	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2-Dibromo-3-chloropropane	ND	1490		ug/L	2500	60%	49 - 162	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2-Dibromoethane (EDB)	ND	2590		ug/L	2500	103%	70 - 152	10E2254	NTE1198-02RE3	05/20/10 00:23
Dibromomethane	ND	2540		ug/L	2500	102%	75 - 141	10E2254	NTE1198-02RE3	05/20/10 00:23
1,4-Dichlorobenzene	ND	2590		ug/L	2500	103%	75 - 135	10E2254	NTE1198-02RE3	05/20/10 00:23
1,3-Dichlorobenzene	ND	2850		ug/L	2500	114%	72 - 146	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2-Dichlorobenzene	ND	2680		ug/L	2500	107%	80 - 136	10E2254	NTE1198-02RE3	05/20/10 00:23
Dichlorodifluoromethane	ND	1280		ug/L	2500	51%	23 - 159	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1-Dichloroethane	ND	2690		ug/L	2500	108%	64 - 154	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2-Dichloroethane	43.5	2300		ug/L	2500	90%	72 - 137	10E2254	NTE1198-02RE3	05/20/10 00:23
cis-1,2-Dichloroethene	ND	2710		ug/L	2500	108%	57 - 154	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1-Dichloroethene	ND	2650		ug/L	2500	106%	34 - 151	10E2254	NTE1198-02RE3	05/20/10 00:23
trans-1,2-Dichloroethene	ND	2600		ug/L	2500	104%	57 - 157	10E2254	NTE1198-02RE3	05/20/10 00:23
1,3-Dichloropropane	ND	2540		ug/L	2500	102%	71 - 137	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2-Dichloropropane	ND	2590		ug/L	2500	104%	71 - 139	10E2254	NTE1198-02RE3	05/20/10 00:23
2,2-Dichloropropane	ND	2800		ug/L	2500	112%	10 - 198	10E2254	NTE1198-02RE3	05/20/10 00:23
cis-1,3-Dichloropropene	98.0	3160		ug/L	2500	122%	56 - 156	10E2254	NTE1198-02RE3	05/20/10 00:23
trans-1,3-Dichloropropene	182	2130		ug/L	2500	78%	47 - 157	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1-Dichloropropene	ND	2840		ug/L	2500	114%	70 - 155	10E2254	NTE1198-02RE3	05/20/10 00:23
Ethylbenzene	96.0	3270		ug/L	2500	127%	68 - 157	10E2254	NTE1198-02RE3	05/20/10 00:23
Hexachlorobutadiene	ND	2760		ug/L	2500	111%	47 - 173	10E2254	NTE1198-02RE3	05/20/10 00:23
2-Hexanone	ND	9920		ug/L	12500	79%	57 - 154	10E2254	NTE1198-02RE3	05/20/10 00:23

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E2254-MS1										
Isopropylbenzene	23.0	3100		ug/L	2500	123%	69 - 139	10E2254	NTE1198-02RE3	05/20/10 00:23
p-Isopropyltoluene	ND	2640		ug/L	2500	105%	69 - 151	10E2254	NTE1198-02RE3	05/20/10 00:23
Methyl tert-Butyl Ether	6480	5250	MHA	ug/L	2500	-49%	56 - 152	10E2254	NTE1198-02RE3	05/20/10 00:23
Methylene Chloride	32.5	2490		ug/L	2500	98%	71 - 136	10E2254	NTE1198-02RE3	05/20/10 00:23
4-Methyl-2-pentanone	188	10800		ug/L	12500	85%	62 - 159	10E2254	NTE1198-02RE3	05/20/10 00:23
Naphthalene	357	1770		ug/L	2500	56%	56 - 161	10E2254	NTE1198-02RE3	05/20/10 00:23
n-Propylbenzene	ND	2720		ug/L	2500	109%	61 - 167	10E2254	NTE1198-02RE3	05/20/10 00:23
Styrene	ND	3140		ug/L	2500	126%	69 - 150	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1,1,2-Tetrachloroethane	ND	2990		ug/L	2500	120%	80 - 140	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1,2,2-Tetrachloroethane	ND	2120		ug/L	2500	85%	76 - 141	10E2254	NTE1198-02RE3	05/20/10 00:23
Tetrachloroethene	ND	2970		ug/L	2500	119%	63 - 155	10E2254	NTE1198-02RE3	05/20/10 00:23
Toluene	ND	2830		ug/L	2500	113%	61 - 153	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2,3-Trichlorobenzene	145	1830		ug/L	2500	67%	57 - 155	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2,4-Trichlorobenzene	167	2150		ug/L	2500	80%	64 - 147	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1,2-Trichloroethane	ND	2480		ug/L	2500	99%	74 - 138	10E2254	NTE1198-02RE3	05/20/10 00:23
1,1,1-Trichloroethane	ND	2780		ug/L	2500	111%	78 - 153	10E2254	NTE1198-02RE3	05/20/10 00:23
Trichloroethene	ND	2710		ug/L	2500	108%	74 - 139	10E2254	NTE1198-02RE3	05/20/10 00:23
Trichlorofluoromethane	ND	2240		ug/L	2500	90%	53 - 149	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2,3-Trichloropropane	772	2180		ug/L	2500	56%	49 - 148	10E2254	NTE1198-02RE3	05/20/10 00:23
1,3,5-Trimethylbenzene	23.0	2830		ug/L	2500	112%	67 - 151	10E2254	NTE1198-02RE3	05/20/10 00:23
1,2,4-Trimethylbenzene	117	2900		ug/L	2500	111%	69 - 150	10E2254	NTE1198-02RE3	05/20/10 00:23
Vinyl chloride	ND	2070		ug/L	2500	83%	53 - 137	10E2254	NTE1198-02RE3	05/20/10 00:23
Xylenes, total	64.0	9540		ug/L	7500	126%	68 - 158	10E2254	NTE1198-02RE3	05/20/10 00:23
Surrogate: 1,2-Dichloroethane-d4		21.4		ug/L	25.0	86%	63 - 140	10E2254	NTE1198-02RE3	05/20/10 00:23

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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										
10E2254-MS1										
Surrogate: Dibromofluoromethane		23.9		ug/L	25.0	96%	73 - 131	10E2254	NTE1198-02RE3	05/20/10 00:23
Surrogate: Toluene-d8		24.6		ug/L	25.0	98%	80 - 120	10E2254	NTE1198-02RE3	05/20/10 00:23
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	98%	79 - 125	10E2254	NTE1198-02RE3	05/20/10 00:23
10E2791-MS1										
Acetone	ND	19800		ug/L	25000	79%	56 - 150	10E2791	NTE0780-16RE2	05/18/10 00:05
Benzene	485	5630		ug/L	5000	103%	65 - 151	10E2791	NTE0780-16RE2	05/18/10 00:05
Bromobenzene	ND	5310		ug/L	5000	106%	69 - 142	10E2791	NTE0780-16RE2	05/18/10 00:05
Bromochloromethane	ND	4460		ug/L	5000	89%	64 - 154	10E2791	NTE0780-16RE2	05/18/10 00:05
Bromodichloromethane	76.0	5450		ug/L	5000	107%	75 - 138	10E2791	NTE0780-16RE2	05/18/10 00:05
Bromoform	ND	4450		ug/L	5000	89%	55 - 153	10E2791	NTE0780-16RE2	05/18/10 00:05
Bromomethane	ND	5000		ug/L	5000	100%	13 - 176	10E2791	NTE0780-16RE2	05/18/10 00:05
2-Butanone	ND	22300		ug/L	25000	89%	45 - 164	10E2791	NTE0780-16RE2	05/18/10 00:05
sec-Butylbenzene	ND	5760		ug/L	5000	115%	68 - 159	10E2791	NTE0780-16RE2	05/18/10 00:05
n-Butylbenzene	210	5820		ug/L	5000	112%	67 - 151	10E2791	NTE0780-16RE2	05/18/10 00:05
tert-Butylbenzene	664	5740		ug/L	5000	102%	73 - 153	10E2791	NTE0780-16RE2	05/18/10 00:05
Carbon disulfide	ND	5320		ug/L	5000	106%	33 - 187	10E2791	NTE0780-16RE2	05/18/10 00:05
Carbon Tetrachloride	ND	5510		ug/L	5000	110%	64 - 157	10E2791	NTE0780-16RE2	05/18/10 00:05
Chlorobenzene	ND	5370		ug/L	5000	107%	78 - 136	10E2791	NTE0780-16RE2	05/18/10 00:05
Chlorodibromomethane	ND	4820		ug/L	5000	96%	64 - 145	10E2791	NTE0780-16RE2	05/18/10 00:05
Chloroethane	ND	4310		ug/L	5000	86%	48 - 159	10E2791	NTE0780-16RE2	05/18/10 00:05
Chloroform	71.0	4790		ug/L	5000	94%	72 - 145	10E2791	NTE0780-16RE2	05/18/10 00:05
Chloromethane	ND	2500		ug/L	5000	50%	10 - 194	10E2791	NTE0780-16RE2	05/18/10 00:05
2-Chlorotoluene	163	6140		ug/L	5000	120%	66 - 155	10E2791	NTE0780-16RE2	05/18/10 00:05
4-Chlorotoluene	82.0	6010		ug/L	5000	119%	69 - 149	10E2791	NTE0780-16RE2	05/18/10 00:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E2791-MS1										
1,2-Dibromo-3-chloropropane	ND	3980		ug/L	5000	80%	49 - 162	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2-Dibromoethane (EDB)	ND	5390		ug/L	5000	108%	70 - 152	10E2791	NTE0780-16RE2	05/18/10 00:05
Dibromomethane	ND	4890		ug/L	5000	98%	75 - 141	10E2791	NTE0780-16RE2	05/18/10 00:05
1,4-Dichlorobenzene	ND	5310		ug/L	5000	106%	75 - 135	10E2791	NTE0780-16RE2	05/18/10 00:05
1,3-Dichlorobenzene	ND	5870		ug/L	5000	117%	72 - 146	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2-Dichlorobenzene	ND	5540		ug/L	5000	111%	80 - 136	10E2791	NTE0780-16RE2	05/18/10 00:05
Dichlorodifluoromethane	ND	2200		ug/L	5000	44%	23 - 159	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1-Dichloroethane	ND	5080		ug/L	5000	102%	64 - 154	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2-Dichloroethane	72.0	4380		ug/L	5000	86%	72 - 137	10E2791	NTE0780-16RE2	05/18/10 00:05
cis-1,2-Dichloroethene	ND	5080		ug/L	5000	102%	57 - 154	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1-Dichloroethene	ND	4760		ug/L	5000	95%	34 - 151	10E2791	NTE0780-16RE2	05/18/10 00:05
trans-1,2-Dichloroethene	ND	4940		ug/L	5000	99%	57 - 157	10E2791	NTE0780-16RE2	05/18/10 00:05
1,3-Dichloropropane	ND	5070		ug/L	5000	101%	71 - 137	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2-Dichloropropane	ND	5040		ug/L	5000	101%	71 - 139	10E2791	NTE0780-16RE2	05/18/10 00:05
2,2-Dichloropropane	ND	5270		ug/L	5000	105%	10 - 198	10E2791	NTE0780-16RE2	05/18/10 00:05
cis-1,3-Dichloropropene	165	6590		ug/L	5000	129%	56 - 156	10E2791	NTE0780-16RE2	05/18/10 00:05
trans-1,3-Dichloropropene	268	4520		ug/L	5000	85%	47 - 157	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1-Dichloropropene	ND	5320		ug/L	5000	106%	70 - 155	10E2791	NTE0780-16RE2	05/18/10 00:05
Ethylbenzene	1650	7820		ug/L	5000	123%	68 - 157	10E2791	NTE0780-16RE2	05/18/10 00:05
Hexachlorobutadiene	ND	6310		ug/L	5000	126%	47 - 173	10E2791	NTE0780-16RE2	05/18/10 00:05
2-Hexanone	ND	22800		ug/L	25000	91%	57 - 154	10E2791	NTE0780-16RE2	05/18/10 00:05
Isopropylbenzene	111	6640		ug/L	5000	131%	69 - 139	10E2791	NTE0780-16RE2	05/18/10 00:05
p-Isopropyltoluene	ND	5750		ug/L	5000	115%	69 - 151	10E2791	NTE0780-16RE2	05/18/10 00:05
Methyl tert-Butyl Ether	ND	4040		ug/L	5000	81%	56 - 152	10E2791	NTE0780-16RE2	05/18/10 00:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E2791-MS1										
Methylene Chloride	195	4720		ug/L	5000	90%	71 - 136	10E2791	NTE0780-16RE2	05/18/10 00:05
4-Methyl-2-pentanone	270	23800		ug/L	25000	94%	62 - 159	10E2791	NTE0780-16RE2	05/18/10 00:05
Naphthalene	658	5080		ug/L	5000	88%	56 - 161	10E2791	NTE0780-16RE2	05/18/10 00:05
n-Propylbenzene	256	6040		ug/L	5000	116%	61 - 167	10E2791	NTE0780-16RE2	05/18/10 00:05
Styrene	ND	6300		ug/L	5000	126%	69 - 150	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1,1,2-Tetrachloroethane	ND	6080		ug/L	5000	122%	80 - 140	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1,2,2-Tetrachloroethane	ND	4580		ug/L	5000	92%	76 - 141	10E2791	NTE0780-16RE2	05/18/10 00:05
Tetrachloroethene	ND	5960		ug/L	5000	119%	63 - 155	10E2791	NTE0780-16RE2	05/18/10 00:05
Toluene	ND	5480		ug/L	5000	110%	61 - 153	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2,3-Trichlorobenzene	143	4790		ug/L	5000	93%	57 - 155	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2,4-Trichlorobenzene	202	5100		ug/L	5000	98%	64 - 147	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1,2-Trichloroethane	ND	5010		ug/L	5000	100%	74 - 138	10E2791	NTE0780-16RE2	05/18/10 00:05
1,1,1-Trichloroethane	ND	5300		ug/L	5000	106%	78 - 153	10E2791	NTE0780-16RE2	05/18/10 00:05
Trichloroethene	ND	5130		ug/L	5000	103%	74 - 139	10E2791	NTE0780-16RE2	05/18/10 00:05
Trichlorofluoromethane	ND	3990		ug/L	5000	80%	53 - 149	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2,3-Trichloropropane	1210	4780		ug/L	5000	71%	49 - 148	10E2791	NTE0780-16RE2	05/18/10 00:05
1,3,5-Trimethylbenzene	668	6500		ug/L	5000	117%	67 - 151	10E2791	NTE0780-16RE2	05/18/10 00:05
1,2,4-Trimethylbenzene	3860	9070		ug/L	5000	104%	69 - 150	10E2791	NTE0780-16RE2	05/18/10 00:05
Vinyl chloride	ND	3640		ug/L	5000	73%	53 - 137	10E2791	NTE0780-16RE2	05/18/10 00:05
Xylenes, total	2610	21400		ug/L	15000	125%	68 - 158	10E2791	NTE0780-16RE2	05/18/10 00:05
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	63 - 140	10E2791	NTE0780-16RE2	05/18/10 00:05
Surrogate: Dibromofluoromethane		24.0		ug/L	25.0	96%	73 - 131	10E2791	NTE0780-16RE2	05/18/10 00:05
Surrogate: Toluene-d8		24.3		ug/L	25.0	97%	80 - 120	10E2791	NTE0780-16RE2	05/18/10 00:05
Surrogate: 4-Bromofluorobenzene		25.0		ug/L	25.0	100%	79 - 125	10E2791	NTE0780-16RE2	05/18/10 00:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3273-MS1										
Acetone	ND	1840		ug/L	2500	74%	56 - 150	10E3273	NTE1298-03RE1	05/19/10 00:38
Benzene	ND	532		ug/L	500	106%	65 - 151	10E3273	NTE1298-03RE1	05/19/10 00:38
Bromobenzene	ND	523		ug/L	500	105%	69 - 142	10E3273	NTE1298-03RE1	05/19/10 00:38
Bromochloromethane	ND	437		ug/L	500	87%	64 - 154	10E3273	NTE1298-03RE1	05/19/10 00:38
Bromodichloromethane	ND	524		ug/L	500	105%	75 - 138	10E3273	NTE1298-03RE1	05/19/10 00:38
Bromoform	ND	386		ug/L	500	77%	55 - 153	10E3273	NTE1298-03RE1	05/19/10 00:38
Bromomethane	ND	524		ug/L	500	105%	13 - 176	10E3273	NTE1298-03RE1	05/19/10 00:38
2-Butanone	ND	1960		ug/L	2500	78%	45 - 164	10E3273	NTE1298-03RE1	05/19/10 00:38
sec-Butylbenzene	6.60	558		ug/L	500	110%	68 - 159	10E3273	NTE1298-03RE1	05/19/10 00:38
n-Butylbenzene	8.80	563		ug/L	500	111%	67 - 151	10E3273	NTE1298-03RE1	05/19/10 00:38
tert-Butylbenzene	ND	556		ug/L	500	111%	73 - 153	10E3273	NTE1298-03RE1	05/19/10 00:38
Carbon disulfide	ND	530		ug/L	500	106%	33 - 187	10E3273	NTE1298-03RE1	05/19/10 00:38
Carbon Tetrachloride	ND	548		ug/L	500	110%	64 - 157	10E3273	NTE1298-03RE1	05/19/10 00:38
Chlorobenzene	ND	508		ug/L	500	102%	78 - 136	10E3273	NTE1298-03RE1	05/19/10 00:38
Chlorodibromomethane	ND	437		ug/L	500	87%	64 - 145	10E3273	NTE1298-03RE1	05/19/10 00:38
Chloroethane	ND	464		ug/L	500	93%	48 - 159	10E3273	NTE1298-03RE1	05/19/10 00:38
Chloroform	4.90	470		ug/L	500	93%	72 - 145	10E3273	NTE1298-03RE1	05/19/10 00:38
Chloromethane	ND	252		ug/L	500	50%	10 - 194	10E3273	NTE1298-03RE1	05/19/10 00:38
2-Chlorotoluene	ND	591		ug/L	500	118%	66 - 155	10E3273	NTE1298-03RE1	05/19/10 00:38
4-Chlorotoluene	ND	589		ug/L	500	118%	69 - 149	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2-Dibromo-3-chloropropane	ND	345		ug/L	500	69%	49 - 162	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2-Dibromoethane (EDB)	ND	495		ug/L	500	99%	70 - 152	10E3273	NTE1298-03RE1	05/19/10 00:38
Dibromomethane	ND	478		ug/L	500	96%	75 - 141	10E3273	NTE1298-03RE1	05/19/10 00:38
1,4-Dichlorobenzene	ND	508		ug/L	500	102%	75 - 135	10E3273	NTE1298-03RE1	05/19/10 00:38

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3273-MS1										
1,3-Dichlorobenzene	ND	565		ug/L	500	113%	72 - 146	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2-Dichlorobenzene	ND	524		ug/L	500	105%	80 - 136	10E3273	NTE1298-03RE1	05/19/10 00:38
Dichlorodifluoromethane	ND	242		ug/L	500	48%	23 - 159	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1-Dichloroethane	3.70	526		ug/L	500	104%	64 - 154	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2-Dichloroethane	ND	432		ug/L	500	86%	72 - 137	10E3273	NTE1298-03RE1	05/19/10 00:38
cis-1,2-Dichloroethene	512	991	M8	ug/L	500	96%	57 - 154	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1-Dichloroethene	ND	481		ug/L	500	96%	34 - 151	10E3273	NTE1298-03RE1	05/19/10 00:38
trans-1,2-Dichloroethene	22.1	528		ug/L	500	101%	57 - 157	10E3273	NTE1298-03RE1	05/19/10 00:38
1,3-Dichloropropane	ND	471		ug/L	500	94%	71 - 137	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2-Dichloropropane	ND	514		ug/L	500	103%	71 - 139	10E3273	NTE1298-03RE1	05/19/10 00:38
2,2-Dichloropropane	ND	586		ug/L	500	117%	10 - 198	10E3273	NTE1298-03RE1	05/19/10 00:38
cis-1,3-Dichloropropene	ND	656		ug/L	500	131%	56 - 156	10E3273	NTE1298-03RE1	05/19/10 00:38
trans-1,3-Dichloropropene	ND	428		ug/L	500	86%	47 - 157	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1-Dichloropropene	ND	549		ug/L	500	110%	70 - 155	10E3273	NTE1298-03RE1	05/19/10 00:38
Ethylbenzene	ND	599		ug/L	500	120%	68 - 157	10E3273	NTE1298-03RE1	05/19/10 00:38
Hexachlorobutadiene	ND	658		ug/L	500	132%	47 - 173	10E3273	NTE1298-03RE1	05/19/10 00:38
2-Hexanone	ND	1950		ug/L	2500	78%	57 - 154	10E3273	NTE1298-03RE1	05/19/10 00:38
Isopropylbenzene	4.30	611		ug/L	500	121%	69 - 139	10E3273	NTE1298-03RE1	05/19/10 00:38
p-Isopropyltoluene	ND	554		ug/L	500	111%	69 - 151	10E3273	NTE1298-03RE1	05/19/10 00:38
Methyl tert-Butyl Ether	ND	438		ug/L	500	88%	56 - 152	10E3273	NTE1298-03RE1	05/19/10 00:38
Methylene Chloride	11.4	471		ug/L	500	92%	71 - 136	10E3273	NTE1298-03RE1	05/19/10 00:38
4-Methyl-2-pentanone	ND	2080		ug/L	2500	83%	62 - 159	10E3273	NTE1298-03RE1	05/19/10 00:38
Naphthalene	29.0	401	M8	ug/L	500	74%	56 - 161	10E3273	NTE1298-03RE1	05/19/10 00:38
n-Propylbenzene	ND	557		ug/L	500	111%	61 - 167	10E3273	NTE1298-03RE1	05/19/10 00:38

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3273-MS1										
Styrene	ND	582		ug/L	500	116%	69 - 150	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1,1,2-Tetrachloroethane	ND	570		ug/L	500	114%	80 - 140	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1,2,2-Tetrachloroethane	ND	422		ug/L	500	84%	76 - 141	10E3273	NTE1298-03RE1	05/19/10 00:38
Tetrachloroethene	ND	564		ug/L	500	113%	63 - 155	10E3273	NTE1298-03RE1	05/19/10 00:38
Toluene	ND	529		ug/L	500	106%	61 - 153	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2,3-Trichlorobenzene	ND	428		ug/L	500	86%	57 - 155	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2,4-Trichlorobenzene	ND	470		ug/L	500	94%	64 - 147	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1,2-Trichloroethane	ND	459		ug/L	500	92%	74 - 138	10E3273	NTE1298-03RE1	05/19/10 00:38
1,1,1-Trichloroethane	ND	543		ug/L	500	109%	78 - 153	10E3273	NTE1298-03RE1	05/19/10 00:38
Trichloroethene	42.1	552	M8	ug/L	500	102%	74 - 139	10E3273	NTE1298-03RE1	05/19/10 00:38
Trichlorofluoromethane	ND	420		ug/L	500	84%	53 - 149	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2,3-Trichloropropane	ND	449		ug/L	500	90%	49 - 148	10E3273	NTE1298-03RE1	05/19/10 00:38
1,3,5-Trimethylbenzene	ND	566		ug/L	500	113%	67 - 151	10E3273	NTE1298-03RE1	05/19/10 00:38
1,2,4-Trimethylbenzene	ND	549		ug/L	500	110%	69 - 150	10E3273	NTE1298-03RE1	05/19/10 00:38
Vinyl chloride	ND	388		ug/L	500	78%	53 - 137	10E3273	NTE1298-03RE1	05/19/10 00:38
Xylenes, total	ND	1780		ug/L	1500	119%	68 - 158	10E3273	NTE1298-03RE1	05/19/10 00:38
Surrogate: 1,2-Dichloroethane-d4		21.3		ug/L	25.0	85%	63 - 140	10E3273	NTE1298-03RE1	05/19/10 00:38
Surrogate: Dibromofluoromethane		23.6		ug/L	25.0	94%	73 - 131	10E3273	NTE1298-03RE1	05/19/10 00:38
Surrogate: Toluene-d8		24.4		ug/L	25.0	98%	80 - 120	10E3273	NTE1298-03RE1	05/19/10 00:38
Surrogate: 4-Bromofluorobenzene		26.1		ug/L	25.0	105%	79 - 125	10E3273	NTE1298-03RE1	05/19/10 00:38
10E3300-MS1										
Acetone	ND	9270		ug/L	12500	74%	56 - 150	10E3300	NTE1198-03RE2	05/19/10 09:07
Benzene	51.5	2710		ug/L	2500	106%	65 - 151	10E3300	NTE1198-03RE2	05/19/10 09:07
Bromobenzene	ND	2570		ug/L	2500	103%	69 - 142	10E3300	NTE1198-03RE2	05/19/10 09:07

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3300-MS1										
Bromochloromethane	ND	2260		ug/L	2500	90%	64 - 154	10E3300	NTE1198-03RE2	05/19/10 09:07
Bromodichloromethane	47.0	2820		ug/L	2500	111%	75 - 138	10E3300	NTE1198-03RE2	05/19/10 09:07
Bromoform	ND	2020		ug/L	2500	81%	55 - 153	10E3300	NTE1198-03RE2	05/19/10 09:07
Bromomethane	ND	2510		ug/L	2500	101%	13 - 176	10E3300	NTE1198-03RE2	05/19/10 09:07
2-Butanone	ND	10300		ug/L	12500	83%	45 - 164	10E3300	NTE1198-03RE2	05/19/10 09:07
sec-Butylbenzene	129	2510		ug/L	2500	95%	68 - 159	10E3300	NTE1198-03RE2	05/19/10 09:07
n-Butylbenzene	45.0	2470		ug/L	2500	97%	67 - 151	10E3300	NTE1198-03RE2	05/19/10 09:07
tert-Butylbenzene	52.5	2540		ug/L	2500	100%	73 - 153	10E3300	NTE1198-03RE2	05/19/10 09:07
Carbon disulfide	ND	2620		ug/L	2500	105%	33 - 187	10E3300	NTE1198-03RE2	05/19/10 09:07
Carbon Tetrachloride	ND	2780		ug/L	2500	111%	64 - 157	10E3300	NTE1198-03RE2	05/19/10 09:07
Chlorobenzene	ND	2650		ug/L	2500	106%	78 - 136	10E3300	NTE1198-03RE2	05/19/10 09:07
Chlorodibromomethane	ND	2290		ug/L	2500	92%	64 - 145	10E3300	NTE1198-03RE2	05/19/10 09:07
Chloroethane	ND	2370		ug/L	2500	95%	48 - 159	10E3300	NTE1198-03RE2	05/19/10 09:07
Chloroform	30.5	2410		ug/L	2500	95%	72 - 145	10E3300	NTE1198-03RE2	05/19/10 09:07
Chloromethane	ND	1410		ug/L	2500	56%	10 - 194	10E3300	NTE1198-03RE2	05/19/10 09:07
2-Chlorotoluene	ND	2860		ug/L	2500	114%	66 - 155	10E3300	NTE1198-03RE2	05/19/10 09:07
4-Chlorotoluene	ND	2860		ug/L	2500	115%	69 - 149	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2-Dibromo-3-chloropropane	ND	1620		ug/L	2500	65%	49 - 162	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2-Dibromoethane (EDB)	ND	2590		ug/L	2500	104%	70 - 152	10E3300	NTE1198-03RE2	05/19/10 09:07
Dibromomethane	ND	2490		ug/L	2500	100%	75 - 141	10E3300	NTE1198-03RE2	05/19/10 09:07
1,4-Dichlorobenzene	ND	2520		ug/L	2500	101%	75 - 135	10E3300	NTE1198-03RE2	05/19/10 09:07
1,3-Dichlorobenzene	ND	2780		ug/L	2500	111%	72 - 146	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2-Dichlorobenzene	ND	2620		ug/L	2500	105%	80 - 136	10E3300	NTE1198-03RE2	05/19/10 09:07
Dichlorodifluoromethane	ND	1300		ug/L	2500	52%	23 - 159	10E3300	NTE1198-03RE2	05/19/10 09:07

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3300-MS1										
1,1-Dichloroethane	ND	2570		ug/L	2500	103%	64 - 154	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2-Dichloroethane	37.5	2240		ug/L	2500	88%	72 - 137	10E3300	NTE1198-03RE2	05/19/10 09:07
cis-1,2-Dichloroethene	ND	2560		ug/L	2500	102%	57 - 154	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1-Dichloroethene	ND	2440		ug/L	2500	98%	34 - 151	10E3300	NTE1198-03RE2	05/19/10 09:07
trans-1,2-Dichloroethene	ND	2450		ug/L	2500	98%	57 - 157	10E3300	NTE1198-03RE2	05/19/10 09:07
1,3-Dichloropropane	ND	2530		ug/L	2500	101%	71 - 137	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2-Dichloropropane	ND	2560		ug/L	2500	102%	71 - 139	10E3300	NTE1198-03RE2	05/19/10 09:07
2,2-Dichloropropane	ND	2540		ug/L	2500	101%	10 - 198	10E3300	NTE1198-03RE2	05/19/10 09:07
cis-1,3-Dichloropropene	ND	3230		ug/L	2500	129%	56 - 156	10E3300	NTE1198-03RE2	05/19/10 09:07
trans-1,3-Dichloropropene	ND	2130		ug/L	2500	85%	47 - 157	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1-Dichloropropene	ND	2730		ug/L	2500	109%	70 - 155	10E3300	NTE1198-03RE2	05/19/10 09:07
Ethylbenzene	79.0	3160		ug/L	2500	123%	68 - 157	10E3300	NTE1198-03RE2	05/19/10 09:07
Hexachlorobutadiene	ND	2550		ug/L	2500	102%	47 - 173	10E3300	NTE1198-03RE2	05/19/10 09:07
2-Hexanone	ND	10400		ug/L	12500	83%	57 - 154	10E3300	NTE1198-03RE2	05/19/10 09:07
Isopropylbenzene	25.0	3030		ug/L	2500	120%	69 - 139	10E3300	NTE1198-03RE2	05/19/10 09:07
p-Isopropyltoluene	ND	2530		ug/L	2500	101%	69 - 151	10E3300	NTE1198-03RE2	05/19/10 09:07
Methyl tert-Butyl Ether	3990	5960		ug/L	2500	79%	56 - 152	10E3300	NTE1198-03RE2	05/19/10 09:07
Methylene Chloride	72.5	2450		ug/L	2500	95%	71 - 136	10E3300	NTE1198-03RE2	05/19/10 09:07
4-Methyl-2-pentanone	131	11200		ug/L	12500	89%	62 - 159	10E3300	NTE1198-03RE2	05/19/10 09:07
Naphthalene	131	1820		ug/L	2500	68%	56 - 161	10E3300	NTE1198-03RE2	05/19/10 09:07
n-Propylbenzene	ND	2620		ug/L	2500	105%	61 - 167	10E3300	NTE1198-03RE2	05/19/10 09:07
Styrene	ND	3040		ug/L	2500	122%	69 - 150	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1,1,2-Tetrachloroethane	ND	2940		ug/L	2500	118%	80 - 140	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1,2,2-Tetrachloroethane	ND	2160		ug/L	2500	86%	76 - 141	10E3300	NTE1198-03RE2	05/19/10 09:07

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3300-MS1										
Tetrachloroethene	ND	2880		ug/L	2500	115%	63 - 155	10E3300	NTE1198-03RE2	05/19/10 09:07
Toluene	ND	2750		ug/L	2500	110%	61 - 153	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2,3-Trichlorobenzene	ND	1850		ug/L	2500	74%	57 - 155	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2,4-Trichlorobenzene	97.0	2150		ug/L	2500	82%	64 - 147	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1,2-Trichloroethane	ND	2460		ug/L	2500	98%	74 - 138	10E3300	NTE1198-03RE2	05/19/10 09:07
1,1,1-Trichloroethane	ND	2670		ug/L	2500	107%	78 - 153	10E3300	NTE1198-03RE2	05/19/10 09:07
Trichloroethene	ND	2560		ug/L	2500	103%	74 - 139	10E3300	NTE1198-03RE2	05/19/10 09:07
Trichlorofluoromethane	ND	2170		ug/L	2500	87%	53 - 149	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2,3-Trichloropropane	588	2220		ug/L	2500	65%	49 - 148	10E3300	NTE1198-03RE2	05/19/10 09:07
1,3,5-Trimethylbenzene	ND	2730		ug/L	2500	109%	67 - 151	10E3300	NTE1198-03RE2	05/19/10 09:07
1,2,4-Trimethylbenzene	79.5	2820		ug/L	2500	110%	69 - 150	10E3300	NTE1198-03RE2	05/19/10 09:07
Vinyl chloride	ND	2000		ug/L	2500	80%	53 - 137	10E3300	NTE1198-03RE2	05/19/10 09:07
Xylenes, total	52.0	9240		ug/L	7500	122%	68 - 158	10E3300	NTE1198-03RE2	05/19/10 09:07
Surrogate: 1,2-Dichloroethane-d4		21.6		ug/L	25.0	86%	63 - 140	10E3300	NTE1198-03RE2	05/19/10 09:07
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	73 - 131	10E3300	NTE1198-03RE2	05/19/10 09:07
Surrogate: Toluene-d8		24.7		ug/L	25.0	99%	80 - 120	10E3300	NTE1198-03RE2	05/19/10 09:07
Surrogate: 4-Bromofluorobenzene		24.7		ug/L	25.0	99%	79 - 125	10E3300	NTE1198-03RE2	05/19/10 09:07
10E3652-MS1										
Acetone	ND	215		ug/L	250	86%	56 - 150	10E3652	NTE1121-07	05/21/10 05:55
Benzene	0.270	52.7		ug/L	50.0	105%	65 - 151	10E3652	NTE1121-07	05/21/10 05:55
Bromobenzene	ND	50.7		ug/L	50.0	101%	69 - 142	10E3652	NTE1121-07	05/21/10 05:55
Bromochloromethane	ND	50.0		ug/L	50.0	100%	64 - 154	10E3652	NTE1121-07	05/21/10 05:55
Bromodichloromethane	ND	56.5		ug/L	50.0	113%	75 - 138	10E3652	NTE1121-07	05/21/10 05:55
Bromoform	ND	45.2		ug/L	50.0	90%	55 - 153	10E3652	NTE1121-07	05/21/10 05:55
Bromomethane	ND	57.7		ug/L	50.0	115%	13 - 176	10E3652	NTE1121-07	05/21/10 05:55
2-Butanone	ND	318		ug/L	250	127%	45 - 164	10E3652	NTE1121-07	05/21/10 05:55
sec-Butylbenzene	ND	48.2		ug/L	50.0	96%	68 - 159	10E3652	NTE1121-07	05/21/10 05:55
n-Butylbenzene	ND	46.8		ug/L	50.0	94%	67 - 151	10E3652	NTE1121-07	05/21/10 05:55

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3652-MS1										
tert-Butylbenzene	ND	50.1		ug/L	50.0	100%	73 - 153	10E3652	NTE1121-07	05/21/10 05:55
Carbon disulfide	ND	48.2		ug/L	50.0	96%	33 - 187	10E3652	NTE1121-07	05/21/10 05:55
Carbon Tetrachloride	ND	56.4		ug/L	50.0	113%	64 - 157	10E3652	NTE1121-07	05/21/10 05:55
Chlorobenzene	ND	50.6		ug/L	50.0	101%	78 - 136	10E3652	NTE1121-07	05/21/10 05:55
Chlorodibromomethane	ND	50.2		ug/L	50.0	100%	64 - 145	10E3652	NTE1121-07	05/21/10 05:55
Chloroethane	ND	52.8		ug/L	50.0	106%	48 - 159	10E3652	NTE1121-07	05/21/10 05:55
Chloroform	ND	50.4		ug/L	50.0	101%	72 - 145	10E3652	NTE1121-07	05/21/10 05:55
Chloromethane	ND	36.3		ug/L	50.0	73%	10 - 194	10E3652	NTE1121-07	05/21/10 05:55
2-Chlorotoluene	ND	49.8		ug/L	50.0	100%	66 - 155	10E3652	NTE1121-07	05/21/10 05:55
4-Chlorotoluene	ND	51.6		ug/L	50.0	103%	69 - 149	10E3652	NTE1121-07	05/21/10 05:55
1,2-Dibromo-3-chloropropane	ND	40.4		ug/L	50.0	81%	49 - 162	10E3652	NTE1121-07	05/21/10 05:55
1,2-Dibromoethane (EDB)	ND	53.8		ug/L	50.0	108%	70 - 152	10E3652	NTE1121-07	05/21/10 05:55
Dibromomethane	ND	51.8		ug/L	50.0	104%	75 - 141	10E3652	NTE1121-07	05/21/10 05:55
1,4-Dichlorobenzene	ND	48.6		ug/L	50.0	97%	75 - 135	10E3652	NTE1121-07	05/21/10 05:55
1,3-Dichlorobenzene	ND	49.2		ug/L	50.0	98%	72 - 146	10E3652	NTE1121-07	05/21/10 05:55
1,2-Dichlorobenzene	ND	49.5		ug/L	50.0	99%	80 - 136	10E3652	NTE1121-07	05/21/10 05:55
Dichlorodifluoromethane	ND	33.4		ug/L	50.0	67%	23 - 159	10E3652	NTE1121-07	05/21/10 05:55
1,1-Dichloroethane	ND	53.7		ug/L	50.0	107%	64 - 154	10E3652	NTE1121-07	05/21/10 05:55
1,2-Dichloroethane	ND	53.2		ug/L	50.0	106%	72 - 137	10E3652	NTE1121-07	05/21/10 05:55
cis-1,2-Dichloroethene	178	250		ug/L	50.0	143%	57 - 154	10E3652	NTE1121-07	05/21/10 05:55
1,1-Dichloroethene	0.870	52.0		ug/L	50.0	102%	34 - 151	10E3652	NTE1121-07	05/21/10 05:55
trans-1,2-Dichloroethene	11.8	66.6		ug/L	50.0	110%	57 - 157	10E3652	NTE1121-07	05/21/10 05:55
1,3-Dichloropropane	ND	52.5		ug/L	50.0	105%	71 - 137	10E3652	NTE1121-07	05/21/10 05:55
1,2-Dichloropropane	ND	49.7		ug/L	50.0	99%	71 - 139	10E3652	NTE1121-07	05/21/10 05:55
2,2-Dichloropropane	ND	50.8		ug/L	50.0	102%	10 - 198	10E3652	NTE1121-07	05/21/10 05:55
cis-1,3-Dichloropropene	ND	50.0		ug/L	50.0	100%	56 - 156	10E3652	NTE1121-07	05/21/10 05:55
trans-1,3-Dichloropropene	ND	44.9		ug/L	50.0	90%	47 - 157	10E3652	NTE1121-07	05/21/10 05:55
1,1-Dichloropropene	ND	50.6		ug/L	50.0	101%	70 - 155	10E3652	NTE1121-07	05/21/10 05:55
Ethylbenzene	ND	53.2		ug/L	50.0	106%	68 - 157	10E3652	NTE1121-07	05/21/10 05:55
Hexachlorobutadiene	ND	35.5		ug/L	50.0	71%	47 - 173	10E3652	NTE1121-07	05/21/10 05:55
2-Hexanone	ND	243		ug/L	250	97%	57 - 154	10E3652	NTE1121-07	05/21/10 05:55
Isopropylbenzene	ND	56.2		ug/L	50.0	112%	69 - 139	10E3652	NTE1121-07	05/21/10 05:55
p-Isopropyltoluene	ND	47.9		ug/L	50.0	96%	69 - 151	10E3652	NTE1121-07	05/21/10 05:55
Methyl tert-Butyl Ether	ND	51.3		ug/L	50.0	103%	56 - 152	10E3652	NTE1121-07	05/21/10 05:55
Methylene Chloride	ND	47.6		ug/L	50.0	95%	71 - 136	10E3652	NTE1121-07	05/21/10 05:55
4-Methyl-2-pentanone	ND	240		ug/L	250	96%	62 - 159	10E3652	NTE1121-07	05/21/10 05:55
Naphthalene	ND	42.6		ug/L	50.0	85%	56 - 161	10E3652	NTE1121-07	05/21/10 05:55

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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										
10E3652-MS1										
n-Propylbenzene	ND	50.6		ug/L	50.0	101%	61 - 167	10E3652	NTE1121-07	05/21/10 05:55
Styrene	ND	52.5		ug/L	50.0	105%	69 - 150	10E3652	NTE1121-07	05/21/10 05:55
1,1,1,2-Tetrachloroethane	ND	51.4		ug/L	50.0	103%	80 - 140	10E3652	NTE1121-07	05/21/10 05:55
1,1,2,2-Tetrachloroethane	ND	52.6		ug/L	50.0	105%	76 - 141	10E3652	NTE1121-07	05/21/10 05:55
Tetrachloroethene	ND	50.3		ug/L	50.0	101%	63 - 155	10E3652	NTE1121-07	05/21/10 05:55
Toluene	ND	52.4		ug/L	50.0	105%	61 - 153	10E3652	NTE1121-07	05/21/10 05:55
1,2,3-Trichlorobenzene	ND	36.0		ug/L	50.0	72%	57 - 155	10E3652	NTE1121-07	05/21/10 05:55
1,2,4-Trichlorobenzene	ND	36.8		ug/L	50.0	74%	64 - 147	10E3652	NTE1121-07	05/21/10 05:55
1,1,2-Trichloroethane	ND	52.0		ug/L	50.0	104%	74 - 138	10E3652	NTE1121-07	05/21/10 05:55
1,1,1-Trichloroethane	ND	53.2		ug/L	50.0	106%	78 - 153	10E3652	NTE1121-07	05/21/10 05:55
Trichloroethene	46.9	99.8		ug/L	50.0	106%	74 - 139	10E3652	NTE1121-07	05/21/10 05:55
Trichlorofluoromethane	ND	43.9		ug/L	50.0	88%	53 - 149	10E3652	NTE1121-07	05/21/10 05:55
1,2,3-Trichloropropane	ND	53.3		ug/L	50.0	107%	49 - 148	10E3652	NTE1121-07	05/21/10 05:55
1,3,5-Trimethylbenzene	ND	51.8		ug/L	50.0	104%	67 - 151	10E3652	NTE1121-07	05/21/10 05:55
1,2,4-Trimethylbenzene	ND	49.5		ug/L	50.0	99%	69 - 150	10E3652	NTE1121-07	05/21/10 05:55
Vinyl chloride	10.2	51.1		ug/L	50.0	82%	53 - 137	10E3652	NTE1121-07	05/21/10 05:55
Xylenes, total	ND	163		ug/L	150	109%	68 - 158	10E3652	NTE1121-07	05/21/10 05:55
Surrogate: 1,2-Dichloroethane-d4		24.2		ug/L	25.0	97%	63 - 140	10E3652	NTE1121-07	05/21/10 05:55
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	73 - 131	10E3652	NTE1121-07	05/21/10 05:55
Surrogate: Toluene-d8		25.2		ug/L	25.0	101%	80 - 120	10E3652	NTE1121-07	05/21/10 05:55
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	98%	79 - 125	10E3652	NTE1121-07	05/21/10 05:55
10E3653-MS1										
Acetone	ND	2450		ug/L	2500	98%	56 - 150	10E3653	NTE1121-02RE1	05/21/10 18:25
Benzene	ND	546		ug/L	500	109%	65 - 151	10E3653	NTE1121-02RE1	05/21/10 18:25
Bromobenzene	ND	577		ug/L	500	115%	69 - 142	10E3653	NTE1121-02RE1	05/21/10 18:25
Bromochloromethane	ND	519		ug/L	500	104%	64 - 154	10E3653	NTE1121-02RE1	05/21/10 18:25
Bromodichloromethane	ND	575		ug/L	500	115%	75 - 138	10E3653	NTE1121-02RE1	05/21/10 18:25
Bromoform	ND	461		ug/L	500	92%	55 - 153	10E3653	NTE1121-02RE1	05/21/10 18:25
Bromomethane	ND	598		ug/L	500	120%	13 - 176	10E3653	NTE1121-02RE1	05/21/10 18:25
2-Butanone	ND	2690		ug/L	2500	108%	45 - 164	10E3653	NTE1121-02RE1	05/21/10 18:25
sec-Butylbenzene	ND	558		ug/L	500	112%	68 - 159	10E3653	NTE1121-02RE1	05/21/10 18:25

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3653-MS1										
n-Butylbenzene	ND	534		ug/L	500	107%	67 - 151	10E3653	NTE1121-02RE1	05/21/10 18:25
tert-Butylbenzene	ND	602		ug/L	500	120%	73 - 153	10E3653	NTE1121-02RE1	05/21/10 18:25
Carbon disulfide	ND	530		ug/L	500	106%	33 - 187	10E3653	NTE1121-02RE1	05/21/10 18:25
Carbon Tetrachloride	ND	625		ug/L	500	125%	64 - 157	10E3653	NTE1121-02RE1	05/21/10 18:25
Chlorobenzene	ND	540		ug/L	500	108%	78 - 136	10E3653	NTE1121-02RE1	05/21/10 18:25
Chlorodibromomethane	ND	504		ug/L	500	101%	64 - 145	10E3653	NTE1121-02RE1	05/21/10 18:25
Chloroethane	ND	601		ug/L	500	120%	48 - 159	10E3653	NTE1121-02RE1	05/21/10 18:25
Chloroform	11.8	515		ug/L	500	101%	72 - 145	10E3653	NTE1121-02RE1	05/21/10 18:25
Chloromethane	ND	363		ug/L	500	73%	10 - 194	10E3653	NTE1121-02RE1	05/21/10 18:25
2-Chlorotoluene	ND	577		ug/L	500	115%	66 - 155	10E3653	NTE1121-02RE1	05/21/10 18:25
4-Chlorotoluene	ND	606		ug/L	500	121%	69 - 149	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2-Dibromo-3-chloropropane	ND	451		ug/L	500	90%	49 - 162	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2-Dibromoethane (EDB)	ND	556		ug/L	500	111%	70 - 152	10E3653	NTE1121-02RE1	05/21/10 18:25
Dibromomethane	ND	526		ug/L	500	105%	75 - 141	10E3653	NTE1121-02RE1	05/21/10 18:25
1,4-Dichlorobenzene	ND	533		ug/L	500	107%	75 - 135	10E3653	NTE1121-02RE1	05/21/10 18:25
1,3-Dichlorobenzene	ND	542		ug/L	500	108%	72 - 146	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2-Dichlorobenzene	ND	528		ug/L	500	106%	80 - 136	10E3653	NTE1121-02RE1	05/21/10 18:25
Dichlorodifluoromethane	ND	343		ug/L	500	69%	23 - 159	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1-Dichloroethane	ND	568		ug/L	500	114%	64 - 154	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2-Dichloroethane	8.50	554		ug/L	500	109%	72 - 137	10E3653	NTE1121-02RE1	05/21/10 18:25
cis-1,2-Dichloroethene	3.40	554		ug/L	500	110%	57 - 154	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1-Dichloroethene	ND	551		ug/L	500	110%	34 - 151	10E3653	NTE1121-02RE1	05/21/10 18:25
trans-1,2-Dichloroethene	ND	557		ug/L	500	111%	57 - 157	10E3653	NTE1121-02RE1	05/21/10 18:25
1,3-Dichloropropane	ND	550		ug/L	500	110%	71 - 137	10E3653	NTE1121-02RE1	05/21/10 18:25

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3653-MS1										
1,2-Dichloropropane	ND	511		ug/L	500	102%	71 - 139	10E3653	NTE1121-02RE1	05/21/10 18:25
2,2-Dichloropropane	ND	569		ug/L	500	114%	10 - 198	10E3653	NTE1121-02RE1	05/21/10 18:25
cis-1,3-Dichloropropene	ND	537		ug/L	500	107%	56 - 156	10E3653	NTE1121-02RE1	05/21/10 18:25
trans-1,3-Dichloropropene	ND	489		ug/L	500	98%	47 - 157	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1-Dichloropropene	ND	566		ug/L	500	113%	70 - 155	10E3653	NTE1121-02RE1	05/21/10 18:25
Ethylbenzene	ND	583		ug/L	500	117%	68 - 157	10E3653	NTE1121-02RE1	05/21/10 18:25
Hexachlorobutadiene	ND	440		ug/L	500	88%	47 - 173	10E3653	NTE1121-02RE1	05/21/10 18:25
2-Hexanone	ND	2600		ug/L	2500	104%	57 - 154	10E3653	NTE1121-02RE1	05/21/10 18:25
Isopropylbenzene	ND	642		ug/L	500	128%	69 - 139	10E3653	NTE1121-02RE1	05/21/10 18:25
p-Isopropyltoluene	ND	549		ug/L	500	110%	69 - 151	10E3653	NTE1121-02RE1	05/21/10 18:25
Methyl tert-Butyl Ether	ND	569		ug/L	500	114%	56 - 152	10E3653	NTE1121-02RE1	05/21/10 18:25
Methylene Chloride	10.0	495		ug/L	500	97%	71 - 136	10E3653	NTE1121-02RE1	05/21/10 18:25
4-Methyl-2-pentanone	29.7	2600		ug/L	2500	103%	62 - 159	10E3653	NTE1121-02RE1	05/21/10 18:25
Naphthalene	ND	478		ug/L	500	96%	56 - 161	10E3653	NTE1121-02RE1	05/21/10 18:25
n-Propylbenzene	ND	606		ug/L	500	121%	61 - 167	10E3653	NTE1121-02RE1	05/21/10 18:25
Styrene	ND	584		ug/L	500	117%	69 - 150	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1,1,2-Tetrachloroethane	ND	530		ug/L	500	106%	80 - 140	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1,2,2-Tetrachloroethane	ND	574		ug/L	500	115%	76 - 141	10E3653	NTE1121-02RE1	05/21/10 18:25
Tetrachloroethene	ND	563		ug/L	500	113%	63 - 155	10E3653	NTE1121-02RE1	05/21/10 18:25
Toluene	ND	560		ug/L	500	112%	61 - 153	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2,3-Trichlorobenzene	ND	421		ug/L	500	84%	57 - 155	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2,4-Trichlorobenzene	ND	438		ug/L	500	88%	64 - 147	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1,2-Trichloroethane	ND	541		ug/L	500	108%	74 - 138	10E3653	NTE1121-02RE1	05/21/10 18:25
1,1,1-Trichloroethane	ND	572		ug/L	500	114%	78 - 153	10E3653	NTE1121-02RE1	05/21/10 18:25

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E3653-MS1										
Trichloroethene	270	809		ug/L	500	108%	74 - 139	10E3653	NTE1121-02RE1	05/21/10 18:25
Trichlorofluoromethane	ND	503		ug/L	500	101%	53 - 149	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2,3-Trichloropropane	ND	583		ug/L	500	117%	49 - 148	10E3653	NTE1121-02RE1	05/21/10 18:25
1,3,5-Trimethylbenzene	ND	625		ug/L	500	125%	67 - 151	10E3653	NTE1121-02RE1	05/21/10 18:25
1,2,4-Trimethylbenzene	ND	590		ug/L	500	118%	69 - 150	10E3653	NTE1121-02RE1	05/21/10 18:25
Vinyl chloride	ND	424		ug/L	500	85%	53 - 137	10E3653	NTE1121-02RE1	05/21/10 18:25
Xylenes, total	ND	1790		ug/L	1500	119%	68 - 158	10E3653	NTE1121-02RE1	05/21/10 18:25
Diisopropyl Ether	ND	553		ug/L	500	111%	59 - 145	10E3653	NTE1121-02RE1	05/21/10 18:25
Surrogate: 1,2-Dichloroethane-d4		24.4		ug/L	25.0	98%	63 - 140	10E3653	NTE1121-02RE1	05/21/10 18:25
Surrogate: Dibromofluoromethane		25.7		ug/L	25.0	103%	73 - 131	10E3653	NTE1121-02RE1	05/21/10 18:25
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	80 - 120	10E3653	NTE1121-02RE1	05/21/10 18:25
Surrogate: 4-Bromofluorobenzene		25.9		ug/L	25.0	104%	79 - 125	10E3653	NTE1121-02RE1	05/21/10 18:25
10E4076-MS1										
Acetone	ND	223		ug/L	250	89%	56 - 150	10E4076	NTE1121-23	05/20/10 08:01
Benzene	ND	50.6		ug/L	50.0	101%	65 - 151	10E4076	NTE1121-23	05/20/10 08:01
Bromobenzene	ND	48.9		ug/L	50.0	98%	69 - 142	10E4076	NTE1121-23	05/20/10 08:01
Bromochloromethane	ND	50.3		ug/L	50.0	101%	64 - 154	10E4076	NTE1121-23	05/20/10 08:01
Bromodichloromethane	ND	46.3		ug/L	50.0	93%	75 - 138	10E4076	NTE1121-23	05/20/10 08:01
Bromoform	ND	43.7		ug/L	50.0	87%	55 - 153	10E4076	NTE1121-23	05/20/10 08:01
Bromomethane	ND	47.4		ug/L	50.0	95%	13 - 176	10E4076	NTE1121-23	05/20/10 08:01
2-Butanone	ND	248		ug/L	250	99%	45 - 164	10E4076	NTE1121-23	05/20/10 08:01
sec-Butylbenzene	ND	52.9		ug/L	50.0	106%	68 - 159	10E4076	NTE1121-23	05/20/10 08:01
n-Butylbenzene	ND	53.3		ug/L	50.0	107%	67 - 151	10E4076	NTE1121-23	05/20/10 08:01
tert-Butylbenzene	ND	52.6		ug/L	50.0	105%	73 - 153	10E4076	NTE1121-23	05/20/10 08:01
Carbon disulfide	ND	52.0		ug/L	50.0	104%	33 - 187	10E4076	NTE1121-23	05/20/10 08:01
Carbon Tetrachloride	ND	49.8		ug/L	50.0	100%	64 - 157	10E4076	NTE1121-23	05/20/10 08:01
Chlorobenzene	ND	50.9		ug/L	50.0	102%	78 - 136	10E4076	NTE1121-23	05/20/10 08:01
Chlorodibromomethane	ND	46.4		ug/L	50.0	93%	64 - 145	10E4076	NTE1121-23	05/20/10 08:01
Chloroethane	ND	42.6		ug/L	50.0	85%	48 - 159	10E4076	NTE1121-23	05/20/10 08:01
Chloroform	ND	49.3		ug/L	50.0	99%	72 - 145	10E4076	NTE1121-23	05/20/10 08:01

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E4076-MS1										
Chloromethane	ND	44.2		ug/L	50.0	88%	10 - 194	10E4076	NTE1121-23	05/20/10 08:01
2-Chlorotoluene	ND	49.6		ug/L	50.0	99%	66 - 155	10E4076	NTE1121-23	05/20/10 08:01
4-Chlorotoluene	ND	50.2		ug/L	50.0	100%	69 - 149	10E4076	NTE1121-23	05/20/10 08:01
1,2-Dibromo-3-chloropropane	ND	43.0		ug/L	50.0	86%	49 - 162	10E4076	NTE1121-23	05/20/10 08:01
1,2-Dibromoethane (EDB)	ND	53.1		ug/L	50.0	106%	70 - 152	10E4076	NTE1121-23	05/20/10 08:01
Dibromomethane	ND	50.6		ug/L	50.0	101%	75 - 141	10E4076	NTE1121-23	05/20/10 08:01
1,4-Dichlorobenzene	ND	48.9		ug/L	50.0	98%	75 - 135	10E4076	NTE1121-23	05/20/10 08:01
1,3-Dichlorobenzene	ND	49.5		ug/L	50.0	99%	72 - 146	10E4076	NTE1121-23	05/20/10 08:01
1,2-Dichlorobenzene	ND	50.3		ug/L	50.0	101%	80 - 136	10E4076	NTE1121-23	05/20/10 08:01
Dichlorodifluoromethane	ND	39.6		ug/L	50.0	79%	23 - 159	10E4076	NTE1121-23	05/20/10 08:01
1,1-Dichloroethane	ND	59.4		ug/L	50.0	119%	64 - 154	10E4076	NTE1121-23	05/20/10 08:01
1,2-Dichloroethane	ND	49.1		ug/L	50.0	98%	72 - 137	10E4076	NTE1121-23	05/20/10 08:01
cis-1,2-Dichloroethene	0.820	52.7		ug/L	50.0	104%	57 - 154	10E4076	NTE1121-23	05/20/10 08:01
1,1-Dichloroethene	ND	47.6		ug/L	50.0	95%	34 - 151	10E4076	NTE1121-23	05/20/10 08:01
trans-1,2-Dichloroethene	ND	62.6		ug/L	50.0	125%	57 - 157	10E4076	NTE1121-23	05/20/10 08:01
1,3-Dichloropropane	ND	51.8		ug/L	50.0	104%	71 - 137	10E4076	NTE1121-23	05/20/10 08:01
1,2-Dichloropropane	ND	50.7		ug/L	50.0	101%	71 - 139	10E4076	NTE1121-23	05/20/10 08:01
2,2-Dichloropropane	ND	49.7		ug/L	50.0	99%	10 - 198	10E4076	NTE1121-23	05/20/10 08:01
cis-1,3-Dichloropropene	ND	48.2		ug/L	50.0	96%	56 - 156	10E4076	NTE1121-23	05/20/10 08:01
trans-1,3-Dichloropropene	ND	45.1		ug/L	50.0	90%	47 - 157	10E4076	NTE1121-23	05/20/10 08:01
1,1-Dichloropropene	ND	53.8		ug/L	50.0	108%	70 - 155	10E4076	NTE1121-23	05/20/10 08:01
Ethylbenzene	ND	52.1		ug/L	50.0	104%	68 - 157	10E4076	NTE1121-23	05/20/10 08:01
Hexachlorobutadiene	ND	50.3		ug/L	50.0	101%	47 - 173	10E4076	NTE1121-23	05/20/10 08:01
2-Hexanone	ND	273		ug/L	250	109%	57 - 154	10E4076	NTE1121-23	05/20/10 08:01
Isopropylbenzene	ND	58.5		ug/L	50.0	117%	69 - 139	10E4076	NTE1121-23	05/20/10 08:01
p-Isopropyltoluene	ND	51.7		ug/L	50.0	103%	69 - 151	10E4076	NTE1121-23	05/20/10 08:01
Methyl tert-Butyl Ether	ND	56.3		ug/L	50.0	113%	56 - 152	10E4076	NTE1121-23	05/20/10 08:01
Methylene Chloride	ND	56.2		ug/L	50.0	112%	71 - 136	10E4076	NTE1121-23	05/20/10 08:01
4-Methyl-2-pentanone	ND	258		ug/L	250	103%	62 - 159	10E4076	NTE1121-23	05/20/10 08:01
Naphthalene	ND	47.6		ug/L	50.0	95%	56 - 161	10E4076	NTE1121-23	05/20/10 08:01
n-Propylbenzene	ND	51.9		ug/L	50.0	104%	61 - 167	10E4076	NTE1121-23	05/20/10 08:01
Styrene	ND	53.7		ug/L	50.0	107%	69 - 150	10E4076	NTE1121-23	05/20/10 08:01
1,1,1,2-Tetrachloroethane	ND	48.7		ug/L	50.0	97%	80 - 140	10E4076	NTE1121-23	05/20/10 08:01
1,1,2,2-Tetrachloroethane	ND	49.3		ug/L	50.0	99%	76 - 141	10E4076	NTE1121-23	05/20/10 08:01
Tetrachloroethene	ND	51.9		ug/L	50.0	104%	63 - 155	10E4076	NTE1121-23	05/20/10 08:01
Toluene	ND	52.8		ug/L	50.0	106%	61 - 153	10E4076	NTE1121-23	05/20/10 08:01
1,2,3-Trichlorobenzene	ND	49.8		ug/L	50.0	100%	57 - 155	10E4076	NTE1121-23	05/20/10 08:01

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E4076-MS1										
1,2,4-Trichlorobenzene	ND	50.7		ug/L	50.0	101%	64 - 147	10E4076	NTE1121-23	05/20/10 08:01
1,1,2-Trichloroethane	ND	51.7		ug/L	50.0	103%	74 - 138	10E4076	NTE1121-23	05/20/10 08:01
1,1,1-Trichloroethane	ND	56.0		ug/L	50.0	112%	78 - 153	10E4076	NTE1121-23	05/20/10 08:01
Trichloroethene	4.70	62.7		ug/L	50.0	116%	74 - 139	10E4076	NTE1121-23	05/20/10 08:01
Trichlorofluoromethane	ND	45.6		ug/L	50.0	91%	53 - 149	10E4076	NTE1121-23	05/20/10 08:01
1,2,3-Trichloropropane	ND	49.1		ug/L	50.0	98%	49 - 148	10E4076	NTE1121-23	05/20/10 08:01
1,3,5-Trimethylbenzene	ND	51.3		ug/L	50.0	103%	67 - 151	10E4076	NTE1121-23	05/20/10 08:01
1,2,4-Trimethylbenzene	ND	48.4		ug/L	50.0	97%	69 - 150	10E4076	NTE1121-23	05/20/10 08:01
Vinyl chloride	ND	43.9		ug/L	50.0	88%	53 - 137	10E4076	NTE1121-23	05/20/10 08:01
Xylenes, total	ND	153		ug/L	150	102%	68 - 158	10E4076	NTE1121-23	05/20/10 08:01
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	63 - 140	10E4076	NTE1121-23	05/20/10 08:01
Surrogate: Dibromofluoromethane		25.8		ug/L	25.0	103%	73 - 131	10E4076	NTE1121-23	05/20/10 08:01
Surrogate: Toluene-d8		25.0		ug/L	25.0	100%	80 - 120	10E4076	NTE1121-23	05/20/10 08:01
Surrogate: 4-Bromofluorobenzene		24.2		ug/L	25.0	97%	79 - 125	10E4076	NTE1121-23	05/20/10 08:01
10E4124-MS1										
Acetone	ND	2370		ug/L	2500	95%	56 - 150	10E4124	NTE1121-20RE1	05/20/10 20:51
Benzene	ND	535		ug/L	500	107%	65 - 151	10E4124	NTE1121-20RE1	05/20/10 20:51
Bromobenzene	ND	521		ug/L	500	104%	69 - 142	10E4124	NTE1121-20RE1	05/20/10 20:51
Bromochloromethane	ND	546		ug/L	500	109%	64 - 154	10E4124	NTE1121-20RE1	05/20/10 20:51
Bromodichloromethane	ND	495		ug/L	500	99%	75 - 138	10E4124	NTE1121-20RE1	05/20/10 20:51
Bromoform	ND	460		ug/L	500	92%	55 - 153	10E4124	NTE1121-20RE1	05/20/10 20:51
Bromomethane	ND	503		ug/L	500	101%	13 - 176	10E4124	NTE1121-20RE1	05/20/10 20:51
2-Butanone	ND	2650		ug/L	2500	106%	45 - 164	10E4124	NTE1121-20RE1	05/20/10 20:51
sec-Butylbenzene	ND	573		ug/L	500	115%	68 - 159	10E4124	NTE1121-20RE1	05/20/10 20:51
n-Butylbenzene	ND	587		ug/L	500	117%	67 - 151	10E4124	NTE1121-20RE1	05/20/10 20:51
tert-Butylbenzene	ND	564		ug/L	500	113%	73 - 153	10E4124	NTE1121-20RE1	05/20/10 20:51
Carbon disulfide	ND	532		ug/L	500	106%	33 - 187	10E4124	NTE1121-20RE1	05/20/10 20:51
Carbon Tetrachloride	ND	526		ug/L	500	105%	64 - 157	10E4124	NTE1121-20RE1	05/20/10 20:51
Chlorobenzene	ND	548		ug/L	500	110%	78 - 136	10E4124	NTE1121-20RE1	05/20/10 20:51

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E4124-MS1										
Chlorodibromomethane	ND	494		ug/L	500	99%	64 - 145	10E4124	NTE1121-20RE1	05/20/10 20:51
Chloroethane	ND	413		ug/L	500	83%	48 - 159	10E4124	NTE1121-20RE1	05/20/10 20:51
Chloroform	13.0	533		ug/L	500	104%	72 - 145	10E4124	NTE1121-20RE1	05/20/10 20:51
Chloromethane	ND	422		ug/L	500	84%	10 - 194	10E4124	NTE1121-20RE1	05/20/10 20:51
2-Chlorotoluene	ND	532		ug/L	500	106%	66 - 155	10E4124	NTE1121-20RE1	05/20/10 20:51
4-Chlorotoluene	ND	544		ug/L	500	109%	69 - 149	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2-Dibromo-3-chloropropane	ND	454		ug/L	500	91%	49 - 162	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2-Dibromoethane (EDB)	ND	571		ug/L	500	114%	70 - 152	10E4124	NTE1121-20RE1	05/20/10 20:51
Dibromomethane	ND	539		ug/L	500	108%	75 - 141	10E4124	NTE1121-20RE1	05/20/10 20:51
1,4-Dichlorobenzene	ND	536		ug/L	500	107%	75 - 135	10E4124	NTE1121-20RE1	05/20/10 20:51
1,3-Dichlorobenzene	ND	544		ug/L	500	109%	72 - 146	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2-Dichlorobenzene	ND	546		ug/L	500	109%	80 - 136	10E4124	NTE1121-20RE1	05/20/10 20:51
Dichlorodifluoromethane	ND	355		ug/L	500	71%	23 - 159	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1-Dichloroethane	ND	502		ug/L	500	100%	64 - 154	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2-Dichloroethane	ND	533		ug/L	500	107%	72 - 137	10E4124	NTE1121-20RE1	05/20/10 20:51
cis-1,2-Dichloroethene	186	786		ug/L	500	120%	57 - 154	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1-Dichloroethene	ND	491		ug/L	500	98%	34 - 151	10E4124	NTE1121-20RE1	05/20/10 20:51
trans-1,2-Dichloroethene	14.4	535		ug/L	500	104%	57 - 157	10E4124	NTE1121-20RE1	05/20/10 20:51
1,3-Dichloropropane	ND	561		ug/L	500	112%	71 - 137	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2-Dichloropropane	ND	538		ug/L	500	108%	71 - 139	10E4124	NTE1121-20RE1	05/20/10 20:51
2,2-Dichloropropane	ND	579		ug/L	500	116%	10 - 198	10E4124	NTE1121-20RE1	05/20/10 20:51
cis-1,3-Dichloropropene	ND	521		ug/L	500	104%	56 - 156	10E4124	NTE1121-20RE1	05/20/10 20:51
trans-1,3-Dichloropropene	ND	495		ug/L	500	99%	47 - 157	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1-Dichloropropene	ND	566		ug/L	500	113%	70 - 155	10E4124	NTE1121-20RE1	05/20/10 20:51

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E4124-MS1										
Ethylbenzene	ND	560		ug/L	500	112%	68 - 157	10E4124	NTE1121-20RE1	05/20/10 20:51
Hexachlorobutadiene	ND	526		ug/L	500	105%	47 - 173	10E4124	NTE1121-20RE1	05/20/10 20:51
2-Hexanone	ND	2890		ug/L	2500	115%	57 - 154	10E4124	NTE1121-20RE1	05/20/10 20:51
Isopropylbenzene	ND	638		ug/L	500	128%	69 - 139	10E4124	NTE1121-20RE1	05/20/10 20:51
p-Isopropyltoluene	ND	563		ug/L	500	113%	69 - 151	10E4124	NTE1121-20RE1	05/20/10 20:51
Methyl tert-Butyl Ether	ND	499		ug/L	500	100%	56 - 152	10E4124	NTE1121-20RE1	05/20/10 20:51
Methylene Chloride	6.90	511		ug/L	500	101%	71 - 136	10E4124	NTE1121-20RE1	05/20/10 20:51
4-Methyl-2-pentanone	ND	2740		ug/L	2500	109%	62 - 159	10E4124	NTE1121-20RE1	05/20/10 20:51
Naphthalene	ND	517		ug/L	500	103%	56 - 161	10E4124	NTE1121-20RE1	05/20/10 20:51
n-Propylbenzene	ND	557		ug/L	500	111%	61 - 167	10E4124	NTE1121-20RE1	05/20/10 20:51
Styrene	ND	585		ug/L	500	117%	69 - 150	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1,1,2-Tetrachloroethane	ND	519		ug/L	500	104%	80 - 140	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1,2,2-Tetrachloroethane	ND	530		ug/L	500	106%	76 - 141	10E4124	NTE1121-20RE1	05/20/10 20:51
Tetrachloroethene	ND	554		ug/L	500	111%	63 - 155	10E4124	NTE1121-20RE1	05/20/10 20:51
Toluene	ND	562		ug/L	500	112%	61 - 153	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2,3-Trichlorobenzene	ND	550		ug/L	500	110%	57 - 155	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2,4-Trichlorobenzene	ND	566		ug/L	500	113%	64 - 147	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1,2-Trichloroethane	ND	560		ug/L	500	112%	74 - 138	10E4124	NTE1121-20RE1	05/20/10 20:51
1,1,1-Trichloroethane	ND	587		ug/L	500	117%	78 - 153	10E4124	NTE1121-20RE1	05/20/10 20:51
Trichloroethene	821	1560	M7	ug/L	500	147%	74 - 139	10E4124	NTE1121-20RE1	05/20/10 20:51
Trichlorofluoromethane	ND	457		ug/L	500	91%	53 - 149	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2,3-Trichloropropane	ND	526		ug/L	500	105%	49 - 148	10E4124	NTE1121-20RE1	05/20/10 20:51
1,3,5-Trimethylbenzene	ND	554		ug/L	500	111%	67 - 151	10E4124	NTE1121-20RE1	05/20/10 20:51
1,2,4-Trimethylbenzene	ND	529		ug/L	500	106%	69 - 150	10E4124	NTE1121-20RE1	05/20/10 20:51

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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										
10E4124-MS1										
Vinyl chloride	ND	431		ug/L	500	86%	53 - 137	10E4124	NTE1121-20RE1	05/20/10 20:51
Xylenes, total	ND	1660		ug/L	1500	110%	68 - 158	10E4124	NTE1121-20RE1	05/20/10 20:51
Surrogate: 1,2-Dichloroethane-d4		25.4		ug/L	25.0	102%	63 - 140	10E4124	NTE1121-20RE1	05/20/10 20:51
Surrogate: Dibromofluoromethane		26.1		ug/L	25.0	104%	73 - 131	10E4124	NTE1121-20RE1	05/20/10 20:51
Surrogate: Toluene-d8		25.2		ug/L	25.0	101%	80 - 120	10E4124	NTE1121-20RE1	05/20/10 20:51
Surrogate: 4-Bromofluorobenzene		24.0		ug/L	25.0	96%	79 - 125	10E4124	NTE1121-20RE1	05/20/10 20:51

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 08:00

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												
10E3678-MSD1												
Total Organic Carbon	2.25	22.7		mg/L	20.0	102%	74 - 134	1	20	10E3678	NTE1655-01	05/21/10 14:20
Methane, Ethane, and Ethene by GC												
10E2142-MSD1												
Ethene	ND	2000		ug/L	2340	85%	71 - 120	14	29	10E2142	NTE1148-02	05/20/10 14:16
Methane	14.0	1200		ug/L	1330	89%	46 - 142	15	33	10E2142	NTE1148-02	05/20/10 14:16
Surrogate: Acetylene		1940		ug/L	2160	90%	70 - 122			10E2142	NTE1148-02	05/20/10 14:16
Surrogate: Acetylene		1940		ug/L	2160	90%	70 - 122			10E2142	NTE1148-02	05/20/10 14:16
Volatile Organic Compounds by EPA Method 8260B												
10E2254-MSD1												
Acetone	ND	10200		ug/L	12500	82%	56 - 150	8	31	10E2254	NTE1198-02RE3	05/20/10 00:50
Benzene	55.5	2930		ug/L	2500	115%	65 - 151	4	12	10E2254	NTE1198-02RE3	05/20/10 00:50
Bromobenzene	ND	2760		ug/L	2500	111%	69 - 142	6	23	10E2254	NTE1198-02RE3	05/20/10 00:50
Bromochloromethane	ND	2460		ug/L	2500	98%	64 - 154	5	32	10E2254	NTE1198-02RE3	05/20/10 00:50
Bromodichloromethane	58.5	2980		ug/L	2500	117%	75 - 138	9	13	10E2254	NTE1198-02RE3	05/20/10 00:50
Bromoform	ND	2070		ug/L	2500	83%	55 - 153	4	18	10E2254	NTE1198-02RE3	05/20/10 00:50
Bromomethane	104	3080		ug/L	2500	119%	13 - 176	12	50	10E2254	NTE1198-02RE3	05/20/10 00:50
2-Butanone	ND	10600		ug/L	12500	85%	45 - 164	9	37	10E2254	NTE1198-02RE3	05/20/10 00:50
sec-Butylbenzene	39.5	2740		ug/L	2500	108%	68 - 159	6	21	10E2254	NTE1198-02RE3	05/20/10 00:50
n-Butylbenzene	65.5	2810		ug/L	2500	110%	67 - 151	6	11	10E2254	NTE1198-02RE3	05/20/10 00:50
tert-Butylbenzene	66.0	2770		ug/L	2500	108%	73 - 153	6	20	10E2254	NTE1198-02RE3	05/20/10 00:50
Carbon disulfide	ND	2990		ug/L	2500	119%	33 - 187	4	28	10E2254	NTE1198-02RE3	05/20/10 00:50
Carbon Tetrachloride	ND	3040		ug/L	2500	121%	64 - 157	4	26	10E2254	NTE1198-02RE3	05/20/10 00:50
Chlorobenzene	ND	2820		ug/L	2500	113%	78 - 136	3	11	10E2254	NTE1198-02RE3	05/20/10 00:50
Chlorodibromomethane	ND	2380		ug/L	2500	95%	64 - 145	4	16	10E2254	NTE1198-02RE3	05/20/10 00:50
Chloroethane	ND	2530		ug/L	2500	101%	48 - 159	3	35	10E2254	NTE1198-02RE3	05/20/10 00:50
Chloroform	ND	2580		ug/L	2500	103%	72 - 145	5	32	10E2254	NTE1198-02RE3	05/20/10 00:50
Chloromethane	ND	1550		ug/L	2500	62%	10 - 194	6	34	10E2254	NTE1198-02RE3	05/20/10 00:50
2-Chlorotoluene	ND	3090		ug/L	2500	124%	66 - 155	5	22	10E2254	NTE1198-02RE3	05/20/10 00:50

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E2254-MSD1												
4-Chlorotoluene	ND	3080		ug/L	2500	123%	69 - 149	4	22	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2-Dibromo-3-chloropropane	ND	1660		ug/L	2500	66%	49 - 162	10	21	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2-Dibromoethane (EDB)	ND	2730		ug/L	2500	109%	70 - 152	5	10	10E2254	NTE1198-02RE3	05/20/10 00:50
Dibromomethane	ND	2660		ug/L	2500	106%	75 - 141	4	11	10E2254	NTE1198-02RE3	05/20/10 00:50
1,4-Dichlorobenzene	ND	2740		ug/L	2500	110%	75 - 135	6	10	10E2254	NTE1198-02RE3	05/20/10 00:50
1,3-Dichlorobenzene	ND	3040		ug/L	2500	122%	72 - 146	6	18	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2-Dichlorobenzene	ND	2810		ug/L	2500	112%	80 - 136	5	11	10E2254	NTE1198-02RE3	05/20/10 00:50
Dichlorodifluoromethane	ND	1350		ug/L	2500	54%	23 - 159	5	32	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1-Dichloroethane	ND	2820		ug/L	2500	113%	64 - 154	5	34	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2-Dichloroethane	43.5	2420		ug/L	2500	95%	72 - 137	5	25	10E2254	NTE1198-02RE3	05/20/10 00:50
cis-1,2-Dichloroethene	ND	2820		ug/L	2500	113%	57 - 154	4	32	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1-Dichloroethene	ND	2760		ug/L	2500	110%	34 - 151	4	31	10E2254	NTE1198-02RE3	05/20/10 00:50
trans-1,2-Dichloroethene	ND	2710		ug/L	2500	108%	57 - 157	4	32	10E2254	NTE1198-02RE3	05/20/10 00:50
1,3-Dichloropropane	ND	2630		ug/L	2500	105%	71 - 137	3	20	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2-Dichloropropane	ND	2730		ug/L	2500	109%	71 - 139	5	11	10E2254	NTE1198-02RE3	05/20/10 00:50
2,2-Dichloropropane	ND	2990		ug/L	2500	120%	10 - 198	7	11	10E2254	NTE1198-02RE3	05/20/10 00:50
cis-1,3-Dichloropropene	98.0	3320		ug/L	2500	129%	56 - 156	5	35	10E2254	NTE1198-02RE3	05/20/10 00:50
trans-1,3-Dichloropropene	182	2260		ug/L	2500	83%	47 - 157	6	26	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1-Dichloropropene	ND	2970		ug/L	2500	119%	70 - 155	4	18	10E2254	NTE1198-02RE3	05/20/10 00:50
Ethylbenzene	96.0	3350		ug/L	2500	130%	68 - 157	2	12	10E2254	NTE1198-02RE3	05/20/10 00:50
Hexachlorobutadiene	ND	3290		ug/L	2500	132%	47 - 173	17	21	10E2254	NTE1198-02RE3	05/20/10 00:50
2-Hexanone	ND	10600		ug/L	12500	85%	57 - 154	7	20	10E2254	NTE1198-02RE3	05/20/10 00:50
Isopropylbenzene	23.0	3190		ug/L	2500	127%	69 - 139	3	15	10E2254	NTE1198-02RE3	05/20/10 00:50
p-Isopropyltoluene	ND	2790		ug/L	2500	112%	69 - 151	6	18	10E2254	NTE1198-02RE3	05/20/10 00:50
Methyl tert-Butyl Ether	6480	5990	MHA	ug/L	2500	-20%	56 - 152	13	32	10E2254	NTE1198-02RE3	05/20/10 00:50
Methylene Chloride	32.5	2640		ug/L	2500	104%	71 - 136	6	36	10E2254	NTE1198-02RE3	05/20/10 00:50

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E2254-MSD1												
4-Methyl-2-pentanone	188	11500		ug/L	12500	90%	62 - 159	6	35	10E2254	NTE1198-02RE3	05/20/10 00:50
Naphthalene	357	2080		ug/L	2500	69%	56 - 161	16	30	10E2254	NTE1198-02RE3	05/20/10 00:50
n-Propylbenzene	ND	2880		ug/L	2500	115%	61 - 167	6	23	10E2254	NTE1198-02RE3	05/20/10 00:50
Styrene	ND	3230		ug/L	2500	129%	69 - 150	3	29	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1,1,2-Tetrachloroethane	ND	3100		ug/L	2500	124%	80 - 140	3	11	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1,2,2-Tetrachloroethane	ND	2270		ug/L	2500	91%	76 - 141	7	28	10E2254	NTE1198-02RE3	05/20/10 00:50
Tetrachloroethene	ND	3010		ug/L	2500	121%	63 - 155	2	16	10E2254	NTE1198-02RE3	05/20/10 00:50
Toluene	ND	2910		ug/L	2500	117%	61 - 153	3	35	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2,3-Trichlorobenzene	145	2260		ug/L	2500	85%	57 - 155	21	28	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2,4-Trichlorobenzene	167	2440		ug/L	2500	91%	64 - 147	12	23	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1,2-Trichloroethane	ND	2570		ug/L	2500	103%	74 - 138	4	21	10E2254	NTE1198-02RE3	05/20/10 00:50
1,1,1-Trichloroethane	ND	2890		ug/L	2500	116%	78 - 153	4	29	10E2254	NTE1198-02RE3	05/20/10 00:50
Trichloroethene	ND	2790		ug/L	2500	112%	74 - 139	3	11	10E2254	NTE1198-02RE3	05/20/10 00:50
Trichlorofluoromethane	ND	2330		ug/L	2500	93%	53 - 149	4	33	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2,3-Trichloropropane	772	2350		ug/L	2500	63%	49 - 148	8	25	10E2254	NTE1198-02RE3	05/20/10 00:50
1,3,5-Trimethylbenzene	23.0	2980		ug/L	2500	118%	67 - 151	5	21	10E2254	NTE1198-02RE3	05/20/10 00:50
1,2,4-Trimethylbenzene	117	3050		ug/L	2500	117%	69 - 150	5	20	10E2254	NTE1198-02RE3	05/20/10 00:50
Vinyl chloride	ND	2160		ug/L	2500	87%	53 - 137	4	32	10E2254	NTE1198-02RE3	05/20/10 00:50
Xylenes, total	64.0	9790		ug/L	7500	130%	68 - 158	3	18	10E2254	NTE1198-02RE3	05/20/10 00:50
Surrogate: 1,2-Dichloroethane-d4		21.8		ug/L	25.0	87%	63 - 140			10E2254	NTE1198-02RE3	05/20/10 00:50
Surrogate: Dibromofluoromethane		24.2		ug/L	25.0	97%	73 - 131			10E2254	NTE1198-02RE3	05/20/10 00:50
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	80 - 120			10E2254	NTE1198-02RE3	05/20/10 00:50
Surrogate: 4-Bromofluorobenzene		24.6		ug/L	25.0	99%	79 - 125			10E2254	NTE1198-02RE3	05/20/10 00:50
10E2791-MSD1												
Acetone	ND	20000		ug/L	25000	80%	56 - 150	1	31	10E2791	NTE0780-16RE2	05/18/10 00:32
Benzene	485	5610		ug/L	5000	103%	65 - 151	0.4	12	10E2791	NTE0780-16RE2	05/18/10 00:32

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E2791-MSD1												
Bromobenzene	ND	5230		ug/L	5000	105%	69 - 142	1	23	10E2791	NTE0780-16RE2	05/18/10 00:32
Bromochloromethane	ND	4460		ug/L	5000	89%	64 - 154	0.02	32	10E2791	NTE0780-16RE2	05/18/10 00:32
Bromodichloromethane	76.0	5420		ug/L	5000	107%	75 - 138	0.5	13	10E2791	NTE0780-16RE2	05/18/10 00:32
Bromoform	ND	4360		ug/L	5000	87%	55 - 153	2	18	10E2791	NTE0780-16RE2	05/18/10 00:32
Bromomethane	ND	4950		ug/L	5000	99%	13 - 176	1	50	10E2791	NTE0780-16RE2	05/18/10 00:32
2-Butanone	ND	22300		ug/L	25000	89%	45 - 164	0.1	37	10E2791	NTE0780-16RE2	05/18/10 00:32
sec-Butylbenzene	ND	5760		ug/L	5000	115%	68 - 159	0.1	21	10E2791	NTE0780-16RE2	05/18/10 00:32
n-Butylbenzene	210	5850		ug/L	5000	113%	67 - 151	0.5	11	10E2791	NTE0780-16RE2	05/18/10 00:32
tert-Butylbenzene	664	5720		ug/L	5000	101%	73 - 153	0.5	20	10E2791	NTE0780-16RE2	05/18/10 00:32
Carbon disulfide	ND	5340		ug/L	5000	107%	33 - 187	0.3	28	10E2791	NTE0780-16RE2	05/18/10 00:32
Carbon Tetrachloride	ND	5460		ug/L	5000	109%	64 - 157	1	26	10E2791	NTE0780-16RE2	05/18/10 00:32
Chlorobenzene	ND	5290		ug/L	5000	106%	78 - 136	1	11	10E2791	NTE0780-16RE2	05/18/10 00:32
Chlorodibromomethane	ND	4740		ug/L	5000	95%	64 - 145	2	16	10E2791	NTE0780-16RE2	05/18/10 00:32
Chloroethane	ND	4350		ug/L	5000	87%	48 - 159	0.8	35	10E2791	NTE0780-16RE2	05/18/10 00:32
Chloroform	71.0	4730		ug/L	5000	93%	72 - 145	1	32	10E2791	NTE0780-16RE2	05/18/10 00:32
Chloromethane	ND	2350		ug/L	5000	47%	10 - 194	6	34	10E2791	NTE0780-16RE2	05/18/10 00:32
2-Chlorotoluene	163	6070		ug/L	5000	118%	66 - 155	1	22	10E2791	NTE0780-16RE2	05/18/10 00:32
4-Chlorotoluene	82.0	6000		ug/L	5000	118%	69 - 149	0.2	22	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2-Dibromo-3-chloropropane	ND	4060		ug/L	5000	81%	49 - 162	2	21	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2-Dibromoethane (EDB)	ND	5320		ug/L	5000	106%	70 - 152	1	10	10E2791	NTE0780-16RE2	05/18/10 00:32
Dibromomethane	ND	4880		ug/L	5000	98%	75 - 141	0.2	11	10E2791	NTE0780-16RE2	05/18/10 00:32
1,4-Dichlorobenzene	ND	5280		ug/L	5000	106%	75 - 135	0.7	10	10E2791	NTE0780-16RE2	05/18/10 00:32
1,3-Dichlorobenzene	ND	5830		ug/L	5000	117%	72 - 146	0.7	18	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2-Dichlorobenzene	ND	5510		ug/L	5000	110%	80 - 136	0.7	11	10E2791	NTE0780-16RE2	05/18/10 00:32
Dichlorodifluoromethane	ND	2080		ug/L	5000	42%	23 - 159	6	32	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1-Dichloroethane	ND	5060		ug/L	5000	101%	64 - 154	0.4	34	10E2791	NTE0780-16RE2	05/18/10 00:32

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E2791-MSD1												
1,2-Dichloroethane	72.0	4340		ug/L	5000	85%	72 - 137	0.8	25	10E2791	NTE0780-16RE2	05/18/10 00:32
cis-1,2-Dichloroethene	ND	5030		ug/L	5000	101%	57 - 154	1	32	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1-Dichloroethene	ND	4770		ug/L	5000	95%	34 - 151	0.3	31	10E2791	NTE0780-16RE2	05/18/10 00:32
trans-1,2-Dichloroethene	ND	4940		ug/L	5000	99%	57 - 157	0.04	32	10E2791	NTE0780-16RE2	05/18/10 00:32
1,3-Dichloropropane	ND	4980		ug/L	5000	100%	71 - 137	2	20	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2-Dichloropropane	ND	5000		ug/L	5000	100%	71 - 139	0.9	11	10E2791	NTE0780-16RE2	05/18/10 00:32
2,2-Dichloropropane	ND	5290		ug/L	5000	106%	10 - 198	0.5	11	10E2791	NTE0780-16RE2	05/18/10 00:32
cis-1,3-Dichloropropene	165	6420		ug/L	5000	125%	56 - 156	3	35	10E2791	NTE0780-16RE2	05/18/10 00:32
trans-1,3-Dichloropropene	268	4460		ug/L	5000	84%	47 - 157	1	26	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1-Dichloropropene	ND	5300		ug/L	5000	106%	70 - 155	0.4	18	10E2791	NTE0780-16RE2	05/18/10 00:32
Ethylbenzene	1650	7730		ug/L	5000	122%	68 - 157	1	12	10E2791	NTE0780-16RE2	05/18/10 00:32
Hexachlorobutadiene	ND	6420		ug/L	5000	128%	47 - 173	2	21	10E2791	NTE0780-16RE2	05/18/10 00:32
2-Hexanone	ND	22600		ug/L	25000	90%	57 - 154	0.8	20	10E2791	NTE0780-16RE2	05/18/10 00:32
Isopropylbenzene	111	6530		ug/L	5000	128%	69 - 139	2	15	10E2791	NTE0780-16RE2	05/18/10 00:32
p-Isopropyltoluene	ND	5760		ug/L	5000	115%	69 - 151	0.1	18	10E2791	NTE0780-16RE2	05/18/10 00:32
Methyl tert-Butyl Ether	ND	4130		ug/L	5000	83%	56 - 152	2	32	10E2791	NTE0780-16RE2	05/18/10 00:32
Methylene Chloride	195	4710		ug/L	5000	90%	71 - 136	0.2	36	10E2791	NTE0780-16RE2	05/18/10 00:32
4-Methyl-2-pentanone	270	23600		ug/L	25000	93%	62 - 159	1	35	10E2791	NTE0780-16RE2	05/18/10 00:32
Naphthalene	658	5150		ug/L	5000	90%	56 - 161	1	30	10E2791	NTE0780-16RE2	05/18/10 00:32
n-Propylbenzene	256	6050		ug/L	5000	116%	61 - 167	0.08	23	10E2791	NTE0780-16RE2	05/18/10 00:32
Styrene	ND	6200		ug/L	5000	124%	69 - 150	2	29	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1,1,2-Tetrachloroethane	ND	5980		ug/L	5000	120%	80 - 140	2	11	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1,2,2-Tetrachloroethane	ND	4540		ug/L	5000	91%	76 - 141	0.9	28	10E2791	NTE0780-16RE2	05/18/10 00:32
Tetrachloroethene	ND	5870		ug/L	5000	117%	63 - 155	2	16	10E2791	NTE0780-16RE2	05/18/10 00:32
Toluene	ND	5420		ug/L	5000	108%	61 - 153	1	35	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2,3-Trichlorobenzene	143	4830		ug/L	5000	94%	57 - 155	0.9	28	10E2791	NTE0780-16RE2	05/18/10 00:32

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E2791-MSD1												
1,2,4-Trichlorobenzene	202	5130		ug/L	5000	99%	64 - 147	0.7	23	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1,2-Trichloroethane	ND	4950		ug/L	5000	99%	74 - 138	1	21	10E2791	NTE0780-16RE2	05/18/10 00:32
1,1,1-Trichloroethane	ND	5280		ug/L	5000	106%	78 - 153	0.4	29	10E2791	NTE0780-16RE2	05/18/10 00:32
Trichloroethene	ND	5160		ug/L	5000	103%	74 - 139	0.6	11	10E2791	NTE0780-16RE2	05/18/10 00:32
Trichlorofluoromethane	ND	3960		ug/L	5000	79%	53 - 149	0.8	33	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2,3-Trichloropropane	1210	4720		ug/L	5000	70%	49 - 148	1	25	10E2791	NTE0780-16RE2	05/18/10 00:32
1,3,5-Trimethylbenzene	668	6510		ug/L	5000	117%	67 - 151	0.2	21	10E2791	NTE0780-16RE2	05/18/10 00:32
1,2,4-Trimethylbenzene	3860	9200		ug/L	5000	107%	69 - 150	1	20	10E2791	NTE0780-16RE2	05/18/10 00:32
Vinyl chloride	ND	3650		ug/L	5000	73%	53 - 137	0.5	32	10E2791	NTE0780-16RE2	05/18/10 00:32
Xylenes, total	2610	21200		ug/L	15000	124%	68 - 158	1	18	10E2791	NTE0780-16RE2	05/18/10 00:32
Surrogate: 1,2-Dichloroethane-d4		22.1		ug/L	25.0	89%	63 - 140			10E2791	NTE0780-16RE2	05/18/10 00:32
Surrogate: Dibromofluoromethane		24.4		ug/L	25.0	97%	73 - 131			10E2791	NTE0780-16RE2	05/18/10 00:32
Surrogate: Toluene-d8		24.5		ug/L	25.0	98%	80 - 120			10E2791	NTE0780-16RE2	05/18/10 00:32
Surrogate: 4-Bromofluorobenzene		24.8		ug/L	25.0	99%	79 - 125			10E2791	NTE0780-16RE2	05/18/10 00:32
10E3273-MSD1												
Acetone	ND	1860		ug/L	2500	75%	56 - 150	1	31	10E3273	NTE1298-03RE1	05/19/10 01:05
Benzene	ND	507		ug/L	500	101%	65 - 151	5	12	10E3273	NTE1298-03RE1	05/19/10 01:05
Bromobenzene	ND	495		ug/L	500	99%	69 - 142	5	23	10E3273	NTE1298-03RE1	05/19/10 01:05
Bromochloromethane	ND	418		ug/L	500	84%	64 - 154	5	32	10E3273	NTE1298-03RE1	05/19/10 01:05
Bromodichloromethane	ND	498		ug/L	500	100%	75 - 138	5	13	10E3273	NTE1298-03RE1	05/19/10 01:05
Bromoform	ND	374		ug/L	500	75%	55 - 153	3	18	10E3273	NTE1298-03RE1	05/19/10 01:05
Bromomethane	ND	491		ug/L	500	98%	13 - 176	6	50	10E3273	NTE1298-03RE1	05/19/10 01:05
2-Butanone	ND	1980		ug/L	2500	79%	45 - 164	1	37	10E3273	NTE1298-03RE1	05/19/10 01:05
sec-Butylbenzene	6.60	515		ug/L	500	102%	68 - 159	8	21	10E3273	NTE1298-03RE1	05/19/10 01:05
n-Butylbenzene	8.80	514		ug/L	500	101%	67 - 151	9	11	10E3273	NTE1298-03RE1	05/19/10 01:05
tert-Butylbenzene	ND	512		ug/L	500	102%	73 - 153	8	20	10E3273	NTE1298-03RE1	05/19/10 01:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3273-MSD1												
Carbon disulfide	ND	496		ug/L	500	99%	33 - 187	7	28	10E3273	NTE1298-03RE1	05/19/10 01:05
Carbon Tetrachloride	ND	519		ug/L	500	104%	64 - 157	5	26	10E3273	NTE1298-03RE1	05/19/10 01:05
Chlorobenzene	ND	480		ug/L	500	96%	78 - 136	6	11	10E3273	NTE1298-03RE1	05/19/10 01:05
Chlorodibromomethane	ND	417		ug/L	500	83%	64 - 145	5	16	10E3273	NTE1298-03RE1	05/19/10 01:05
Chloroethane	ND	435		ug/L	500	87%	48 - 159	6	35	10E3273	NTE1298-03RE1	05/19/10 01:05
Chloroform	4.90	447		ug/L	500	88%	72 - 145	5	32	10E3273	NTE1298-03RE1	05/19/10 01:05
Chloromethane	ND	227		ug/L	500	45%	10 - 194	10	34	10E3273	NTE1298-03RE1	05/19/10 01:05
2-Chlorotoluene	ND	554		ug/L	500	111%	66 - 155	7	22	10E3273	NTE1298-03RE1	05/19/10 01:05
4-Chlorotoluene	ND	549		ug/L	500	110%	69 - 149	7	22	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2-Dibromo-3-chloropropane	ND	337		ug/L	500	67%	49 - 162	2	21	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2-Dibromoethane (EDB)	ND	478		ug/L	500	96%	70 - 152	3	10	10E3273	NTE1298-03RE1	05/19/10 01:05
Dibromomethane	ND	459		ug/L	500	92%	75 - 141	4	11	10E3273	NTE1298-03RE1	05/19/10 01:05
1,4-Dichlorobenzene	ND	481		ug/L	500	96%	75 - 135	5	10	10E3273	NTE1298-03RE1	05/19/10 01:05
1,3-Dichlorobenzene	ND	531		ug/L	500	106%	72 - 146	6	18	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2-Dichlorobenzene	ND	500		ug/L	500	100%	80 - 136	5	11	10E3273	NTE1298-03RE1	05/19/10 01:05
Dichlorodifluoromethane	ND	238		ug/L	500	48%	23 - 159	2	32	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1-Dichloroethane	3.70	498		ug/L	500	99%	64 - 154	6	34	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2-Dichloroethane	ND	415		ug/L	500	83%	72 - 137	4	25	10E3273	NTE1298-03RE1	05/19/10 01:05
cis-1,2-Dichloroethene	512	951	M8	ug/L	500	88%	57 - 154	4	32	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1-Dichloroethene	ND	451		ug/L	500	90%	34 - 151	6	31	10E3273	NTE1298-03RE1	05/19/10 01:05
trans-1,2-Dichloroethene	22.1	495	M8	ug/L	500	94%	57 - 157	6	32	10E3273	NTE1298-03RE1	05/19/10 01:05
1,3-Dichloropropane	ND	451		ug/L	500	90%	71 - 137	4	20	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2-Dichloropropane	ND	489		ug/L	500	98%	71 - 139	5	11	10E3273	NTE1298-03RE1	05/19/10 01:05
2,2-Dichloropropane	ND	546		ug/L	500	109%	10 - 198	7	11	10E3273	NTE1298-03RE1	05/19/10 01:05
cis-1,3-Dichloropropene	ND	629		ug/L	500	126%	56 - 156	4	35	10E3273	NTE1298-03RE1	05/19/10 01:05
trans-1,3-Dichloropropene	ND	414		ug/L	500	83%	47 - 157	3	26	10E3273	NTE1298-03RE1	05/19/10 01:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3273-MSD1												
1,1-Dichloropropene	ND	518		ug/L	500	104%	70 - 155	6	18	10E3273	NTE1298-03RE1	05/19/10 01:05
Ethylbenzene	ND	563		ug/L	500	113%	68 - 157	6	12	10E3273	NTE1298-03RE1	05/19/10 01:05
Hexachlorobutadiene	ND	605		ug/L	500	121%	47 - 173	8	21	10E3273	NTE1298-03RE1	05/19/10 01:05
2-Hexanone	ND	1950		ug/L	2500	78%	57 - 154	0.1	20	10E3273	NTE1298-03RE1	05/19/10 01:05
Isopropylbenzene	4.30	572		ug/L	500	114%	69 - 139	7	15	10E3273	NTE1298-03RE1	05/19/10 01:05
p-Isopropyltoluene	ND	512		ug/L	500	102%	69 - 151	8	18	10E3273	NTE1298-03RE1	05/19/10 01:05
Methyl tert-Butyl Ether	ND	426		ug/L	500	85%	56 - 152	3	32	10E3273	NTE1298-03RE1	05/19/10 01:05
Methylene Chloride	11.4	448	M8	ug/L	500	87%	71 - 136	5	36	10E3273	NTE1298-03RE1	05/19/10 01:05
4-Methyl-2-pentanone	ND	2060		ug/L	2500	82%	62 - 159	1	35	10E3273	NTE1298-03RE1	05/19/10 01:05
Naphthalene	29.0	395	M8	ug/L	500	73%	56 - 161	1	30	10E3273	NTE1298-03RE1	05/19/10 01:05
n-Propylbenzene	ND	517		ug/L	500	103%	61 - 167	7	23	10E3273	NTE1298-03RE1	05/19/10 01:05
Styrene	ND	553		ug/L	500	111%	69 - 150	5	29	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1,1,2-Tetrachloroethane	ND	544		ug/L	500	109%	80 - 140	5	11	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1,2,2-Tetrachloroethane	ND	411		ug/L	500	82%	76 - 141	3	28	10E3273	NTE1298-03RE1	05/19/10 01:05
Tetrachloroethene	ND	532		ug/L	500	106%	63 - 155	6	16	10E3273	NTE1298-03RE1	05/19/10 01:05
Toluene	ND	500		ug/L	500	100%	61 - 153	6	35	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2,3-Trichlorobenzene	ND	421		ug/L	500	84%	57 - 155	2	28	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2,4-Trichlorobenzene	ND	450		ug/L	500	90%	64 - 147	4	23	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1,2-Trichloroethane	ND	441		ug/L	500	88%	74 - 138	4	21	10E3273	NTE1298-03RE1	05/19/10 01:05
1,1,1-Trichloroethane	ND	510		ug/L	500	102%	78 - 153	6	29	10E3273	NTE1298-03RE1	05/19/10 01:05
Trichloroethene	42.1	522	M8	ug/L	500	96%	74 - 139	5	11	10E3273	NTE1298-03RE1	05/19/10 01:05
Trichlorofluoromethane	ND	398		ug/L	500	80%	53 - 149	5	33	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2,3-Trichloropropane	ND	433		ug/L	500	87%	49 - 148	4	25	10E3273	NTE1298-03RE1	05/19/10 01:05
1,3,5-Trimethylbenzene	ND	526		ug/L	500	105%	67 - 151	7	21	10E3273	NTE1298-03RE1	05/19/10 01:05
1,2,4-Trimethylbenzene	ND	513		ug/L	500	103%	69 - 150	7	20	10E3273	NTE1298-03RE1	05/19/10 01:05
Vinyl chloride	ND	368		ug/L	500	74%	53 - 137	5	32	10E3273	NTE1298-03RE1	05/19/10 01:05

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3273-MSD1												
Xylenes, total	ND	1680		ug/L	1500	112%	68 - 158	6	18	10E3273	NTE1298-03RE1	05/19/10 01:05
Surrogate: 1,2-Dichloroethane-d4		21.4		ug/L	25.0	86%	63 - 140			10E3273	NTE1298-03RE1	05/19/10 01:05
Surrogate: Dibromofluoromethane		23.7		ug/L	25.0	95%	73 - 131			10E3273	NTE1298-03RE1	05/19/10 01:05
Surrogate: Toluene-d8		24.4		ug/L	25.0	98%	80 - 120			10E3273	NTE1298-03RE1	05/19/10 01:05
Surrogate: 4-Bromofluorobenzene		26.2		ug/L	25.0	105%	79 - 125			10E3273	NTE1298-03RE1	05/19/10 01:05
10E3300-MSD1												
Acetone	ND	9100		ug/L	12500	73%	56 - 150	2	31	10E3300	NTE1198-03RE2	05/19/10 09:34
Benzene	51.5	2760		ug/L	2500	108%	65 - 151	2	12	10E3300	NTE1198-03RE2	05/19/10 09:34
Bromobenzene	ND	2620		ug/L	2500	105%	69 - 142	2	23	10E3300	NTE1198-03RE2	05/19/10 09:34
Bromochloromethane	ND	2250		ug/L	2500	90%	64 - 154	0.5	32	10E3300	NTE1198-03RE2	05/19/10 09:34
Bromodichloromethane	47.0	2690		ug/L	2500	106%	75 - 138	4	13	10E3300	NTE1198-03RE2	05/19/10 09:34
Bromoform	ND	1970		ug/L	2500	79%	55 - 153	3	18	10E3300	NTE1198-03RE2	05/19/10 09:34
Bromomethane	ND	2750		ug/L	2500	110%	13 - 176	9	50	10E3300	NTE1198-03RE2	05/19/10 09:34
2-Butanone	ND	10000		ug/L	12500	80%	45 - 164	3	37	10E3300	NTE1198-03RE2	05/19/10 09:34
sec-Butylbenzene	129	2650		ug/L	2500	101%	68 - 159	5	21	10E3300	NTE1198-03RE2	05/19/10 09:34
n-Butylbenzene	45.0	2650		ug/L	2500	104%	67 - 151	7	11	10E3300	NTE1198-03RE2	05/19/10 09:34
tert-Butylbenzene	52.5	2680		ug/L	2500	105%	73 - 153	5	20	10E3300	NTE1198-03RE2	05/19/10 09:34
Carbon disulfide	ND	2650		ug/L	2500	106%	33 - 187	1	28	10E3300	NTE1198-03RE2	05/19/10 09:34
Carbon Tetrachloride	ND	2800		ug/L	2500	112%	64 - 157	0.7	26	10E3300	NTE1198-03RE2	05/19/10 09:34
Chlorobenzene	ND	2660		ug/L	2500	106%	78 - 136	0.3	11	10E3300	NTE1198-03RE2	05/19/10 09:34
Chlorodibromomethane	ND	2270		ug/L	2500	91%	64 - 145	1	16	10E3300	NTE1198-03RE2	05/19/10 09:34
Chloroethane	ND	2380		ug/L	2500	95%	48 - 159	0.1	35	10E3300	NTE1198-03RE2	05/19/10 09:34
Chloroform	30.5	2430		ug/L	2500	96%	72 - 145	0.7	32	10E3300	NTE1198-03RE2	05/19/10 09:34
Chloromethane	ND	1360		ug/L	2500	54%	10 - 194	4	34	10E3300	NTE1198-03RE2	05/19/10 09:34
2-Chlorotoluene	ND	2970		ug/L	2500	119%	66 - 155	4	22	10E3300	NTE1198-03RE2	05/19/10 09:34
4-Chlorotoluene	ND	2960		ug/L	2500	118%	69 - 149	3	22	10E3300	NTE1198-03RE2	05/19/10 09:34

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3300-MSD1												
1,2-Dibromo-3-chloropropane	ND	1660		ug/L	2500	66%	49 - 162	2	21	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2-Dibromoethane (EDB)	ND	2560		ug/L	2500	103%	70 - 152	1	10	10E3300	NTE1198-03RE2	05/19/10 09:34
Dibromomethane	ND	2450		ug/L	2500	98%	75 - 141	1	11	10E3300	NTE1198-03RE2	05/19/10 09:34
1,4-Dichlorobenzene	ND	2590		ug/L	2500	104%	75 - 135	3	10	10E3300	NTE1198-03RE2	05/19/10 09:34
1,3-Dichlorobenzene	ND	2860		ug/L	2500	114%	72 - 146	3	18	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2-Dichlorobenzene	ND	2690		ug/L	2500	108%	80 - 136	3	11	10E3300	NTE1198-03RE2	05/19/10 09:34
Dichlorodifluoromethane	ND	1240		ug/L	2500	49%	23 - 159	5	32	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1-Dichloroethane	ND	2640		ug/L	2500	106%	64 - 154	2	34	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2-Dichloroethane	37.5	2230		ug/L	2500	88%	72 - 137	0.2	25	10E3300	NTE1198-03RE2	05/19/10 09:34
cis-1,2-Dichloroethene	ND	2620		ug/L	2500	105%	57 - 154	2	32	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1-Dichloroethene	ND	2460		ug/L	2500	98%	34 - 151	0.7	31	10E3300	NTE1198-03RE2	05/19/10 09:34
trans-1,2-Dichloroethene	ND	2500		ug/L	2500	100%	57 - 157	2	32	10E3300	NTE1198-03RE2	05/19/10 09:34
1,3-Dichloropropane	ND	2480		ug/L	2500	99%	71 - 137	2	20	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2-Dichloropropane	ND	2590		ug/L	2500	104%	71 - 139	1	11	10E3300	NTE1198-03RE2	05/19/10 09:34
2,2-Dichloropropane	ND	2620		ug/L	2500	105%	10 - 198	3	11	10E3300	NTE1198-03RE2	05/19/10 09:34
cis-1,3-Dichloropropene	ND	3230		ug/L	2500	129%	56 - 156	0.1	35	10E3300	NTE1198-03RE2	05/19/10 09:34
trans-1,3-Dichloropropene	ND	2120		ug/L	2500	85%	47 - 157	0.4	26	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1-Dichloropropene	ND	2780		ug/L	2500	111%	70 - 155	2	18	10E3300	NTE1198-03RE2	05/19/10 09:34
Ethylbenzene	79.0	3180		ug/L	2500	124%	68 - 157	0.8	12	10E3300	NTE1198-03RE2	05/19/10 09:34
Hexachlorobutadiene	ND	2930		ug/L	2500	117%	47 - 173	14	21	10E3300	NTE1198-03RE2	05/19/10 09:34
2-Hexanone	ND	10000		ug/L	12500	80%	57 - 154	4	20	10E3300	NTE1198-03RE2	05/19/10 09:34
Isopropylbenzene	25.0	3090		ug/L	2500	123%	69 - 139	2	15	10E3300	NTE1198-03RE2	05/19/10 09:34
p-Isopropyltoluene	ND	2670		ug/L	2500	107%	69 - 151	5	18	10E3300	NTE1198-03RE2	05/19/10 09:34
Methyl tert-Butyl Ether	3990	5900		ug/L	2500	76%	56 - 152	0.9	32	10E3300	NTE1198-03RE2	05/19/10 09:34
Methylene Chloride	72.5	2470		ug/L	2500	96%	71 - 136	0.9	36	10E3300	NTE1198-03RE2	05/19/10 09:34
4-Methyl-2-pentanone	131	10800		ug/L	12500	85%	62 - 159	4	35	10E3300	NTE1198-03RE2	05/19/10 09:34

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3300-MSD1												
Naphthalene	131	2000		ug/L	2500	75%	56 - 161	10	30	10E3300	NTE1198-03RE2	05/19/10 09:34
n-Propylbenzene	ND	2770		ug/L	2500	111%	61 - 167	5	23	10E3300	NTE1198-03RE2	05/19/10 09:34
Styrene	ND	3060		ug/L	2500	123%	69 - 150	0.7	29	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1,1,2-Tetrachloroethane	ND	2960		ug/L	2500	118%	80 - 140	0.5	11	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1,2,2-Tetrachloroethane	ND	2150		ug/L	2500	86%	76 - 141	0.7	28	10E3300	NTE1198-03RE2	05/19/10 09:34
Tetrachloroethene	ND	2920		ug/L	2500	117%	63 - 155	1	16	10E3300	NTE1198-03RE2	05/19/10 09:34
Toluene	ND	2770		ug/L	2500	111%	61 - 153	0.8	35	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2,3-Trichlorobenzene	ND	2120		ug/L	2500	85%	57 - 155	14	28	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2,4-Trichlorobenzene	97.0	2290		ug/L	2500	88%	64 - 147	6	23	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1,2-Trichloroethane	ND	2420		ug/L	2500	97%	74 - 138	2	21	10E3300	NTE1198-03RE2	05/19/10 09:34
1,1,1-Trichloroethane	ND	2730		ug/L	2500	109%	78 - 153	2	29	10E3300	NTE1198-03RE2	05/19/10 09:34
Trichloroethene	ND	2610		ug/L	2500	104%	74 - 139	2	11	10E3300	NTE1198-03RE2	05/19/10 09:34
Trichlorofluoromethane	ND	2170		ug/L	2500	87%	53 - 149	0.3	33	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2,3-Trichloropropane	588	2200		ug/L	2500	64%	49 - 148	1	25	10E3300	NTE1198-03RE2	05/19/10 09:34
1,3,5-Trimethylbenzene	ND	2860		ug/L	2500	114%	67 - 151	5	21	10E3300	NTE1198-03RE2	05/19/10 09:34
1,2,4-Trimethylbenzene	79.5	2910		ug/L	2500	113%	69 - 150	3	20	10E3300	NTE1198-03RE2	05/19/10 09:34
Vinyl chloride	ND	2000		ug/L	2500	80%	53 - 137	0.4	32	10E3300	NTE1198-03RE2	05/19/10 09:34
Xylenes, total	52.0	9350		ug/L	7500	124%	68 - 158	1	18	10E3300	NTE1198-03RE2	05/19/10 09:34
Surrogate: 1,2-Dichloroethane-d4		21.2		ug/L	25.0	85%	63 - 140			10E3300	NTE1198-03RE2	05/19/10 09:34
Surrogate: Dibromofluoromethane		23.8		ug/L	25.0	95%	73 - 131			10E3300	NTE1198-03RE2	05/19/10 09:34
Surrogate: Toluene-d8		24.8		ug/L	25.0	99%	80 - 120			10E3300	NTE1198-03RE2	05/19/10 09:34
Surrogate: 4-Bromofluorobenzene		25.2		ug/L	25.0	101%	79 - 125			10E3300	NTE1198-03RE2	05/19/10 09:34
10E3652-MSD1												
Acetone	ND	230		ug/L	250	92%	56 - 150	7	31	10E3652	NTE1121-07	05/21/10 06:22
Benzene	0.270	54.4		ug/L	50.0	108%	65 - 151	3	12	10E3652	NTE1121-07	05/21/10 06:22
Bromobenzene	ND	53.6		ug/L	50.0	107%	69 - 142	6	23	10E3652	NTE1121-07	05/21/10 06:22
Bromochloromethane	ND	50.8		ug/L	50.0	102%	64 - 154	2	32	10E3652	NTE1121-07	05/21/10 06:22

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3652-MSD1												
Bromodichloromethane	ND	57.2		ug/L	50.0	114%	75 - 138	1	13	10E3652	NTE1121-07	05/21/10 06:22
Bromoform	ND	45.2		ug/L	50.0	90%	55 - 153	0.09	18	10E3652	NTE1121-07	05/21/10 06:22
Bromomethane	ND	62.9		ug/L	50.0	126%	13 - 176	9	50	10E3652	NTE1121-07	05/21/10 06:22
2-Butanone	ND	323		ug/L	250	129%	45 - 164	1	37	10E3652	NTE1121-07	05/21/10 06:22
sec-Butylbenzene	ND	56.4		ug/L	50.0	113%	68 - 159	16	21	10E3652	NTE1121-07	05/21/10 06:22
n-Butylbenzene	ND	56.1	R2	ug/L	50.0	112%	67 - 151	18	11	10E3652	NTE1121-07	05/21/10 06:22
tert-Butylbenzene	ND	57.0		ug/L	50.0	114%	73 - 153	13	20	10E3652	NTE1121-07	05/21/10 06:22
Carbon disulfide	ND	50.9		ug/L	50.0	102%	33 - 187	5	28	10E3652	NTE1121-07	05/21/10 06:22
Carbon Tetrachloride	ND	62.2		ug/L	50.0	124%	64 - 157	10	26	10E3652	NTE1121-07	05/21/10 06:22
Chlorobenzene	ND	53.3		ug/L	50.0	107%	78 - 136	5	11	10E3652	NTE1121-07	05/21/10 06:22
Chlorodibromomethane	ND	51.0		ug/L	50.0	102%	64 - 145	2	16	10E3652	NTE1121-07	05/21/10 06:22
Chloroethane	ND	53.9		ug/L	50.0	108%	48 - 159	2	35	10E3652	NTE1121-07	05/21/10 06:22
Chloroform	ND	51.2		ug/L	50.0	102%	72 - 145	2	32	10E3652	NTE1121-07	05/21/10 06:22
Chloromethane	ND	38.0		ug/L	50.0	76%	10 - 194	5	34	10E3652	NTE1121-07	05/21/10 06:22
2-Chlorotoluene	ND	54.9		ug/L	50.0	110%	66 - 155	10	22	10E3652	NTE1121-07	05/21/10 06:22
4-Chlorotoluene	ND	57.2		ug/L	50.0	114%	69 - 149	10	22	10E3652	NTE1121-07	05/21/10 06:22
1,2-Dibromo-3-chloropropane	ND	42.3		ug/L	50.0	85%	49 - 162	5	21	10E3652	NTE1121-07	05/21/10 06:22
1,2-Dibromoethane (EDB)	ND	54.2		ug/L	50.0	108%	70 - 152	0.8	10	10E3652	NTE1121-07	05/21/10 06:22
Dibromomethane	ND	52.2		ug/L	50.0	104%	75 - 141	0.9	11	10E3652	NTE1121-07	05/21/10 06:22
1,4-Dichlorobenzene	ND	51.9		ug/L	50.0	104%	75 - 135	6	10	10E3652	NTE1121-07	05/21/10 06:22
1,3-Dichlorobenzene	ND	53.1		ug/L	50.0	106%	72 - 146	8	18	10E3652	NTE1121-07	05/21/10 06:22
1,2-Dichlorobenzene	ND	53.2		ug/L	50.0	106%	80 - 136	7	11	10E3652	NTE1121-07	05/21/10 06:22
Dichlorodifluoromethane	ND	36.4		ug/L	50.0	73%	23 - 159	9	32	10E3652	NTE1121-07	05/21/10 06:22
1,1-Dichloroethane	ND	55.6		ug/L	50.0	111%	64 - 154	3	34	10E3652	NTE1121-07	05/21/10 06:22
1,2-Dichloroethane	ND	53.9		ug/L	50.0	108%	72 - 137	1	25	10E3652	NTE1121-07	05/21/10 06:22
cis-1,2-Dichloroethene	178	251		ug/L	50.0	146%	57 - 154	0.6	32	10E3652	NTE1121-07	05/21/10 06:22
1,1-Dichloroethene	0.870	55.3		ug/L	50.0	109%	34 - 151	6	31	10E3652	NTE1121-07	05/21/10 06:22
trans-1,2-Dichloroethene	11.8	68.9		ug/L	50.0	114%	57 - 157	4	32	10E3652	NTE1121-07	05/21/10 06:22
1,3-Dichloropropane	ND	53.9		ug/L	50.0	108%	71 - 137	3	20	10E3652	NTE1121-07	05/21/10 06:22
1,2-Dichloropropane	ND	50.9		ug/L	50.0	102%	71 - 139	2	11	10E3652	NTE1121-07	05/21/10 06:22
2,2-Dichloropropane	ND	53.0		ug/L	50.0	106%	10 - 198	4	11	10E3652	NTE1121-07	05/21/10 06:22
cis-1,3-Dichloropropene	ND	52.0		ug/L	50.0	104%	56 - 156	4	35	10E3652	NTE1121-07	05/21/10 06:22
trans-1,3-Dichloropropene	ND	46.9		ug/L	50.0	94%	47 - 157	4	26	10E3652	NTE1121-07	05/21/10 06:22
1,1-Dichloropropene	ND	55.7		ug/L	50.0	111%	70 - 155	10	18	10E3652	NTE1121-07	05/21/10 06:22
Ethylbenzene	ND	57.8		ug/L	50.0	116%	68 - 157	8	12	10E3652	NTE1121-07	05/21/10 06:22
Hexachlorobutadiene	ND	43.2		ug/L	50.0	86%	47 - 173	19	21	10E3652	NTE1121-07	05/21/10 06:22
2-Hexanone	ND	249		ug/L	250	99%	57 - 154	2	20	10E3652	NTE1121-07	05/21/10 06:22
Isopropylbenzene	ND	62.9		ug/L	50.0	126%	69 - 139	11	15	10E3652	NTE1121-07	05/21/10 06:22
p-Isopropyltoluene	ND	55.5		ug/L	50.0	111%	69 - 151	15	18	10E3652	NTE1121-07	05/21/10 06:22
Methyl tert-Butyl Ether	ND	54.5		ug/L	50.0	109%	56 - 152	6	32	10E3652	NTE1121-07	05/21/10 06:22
Methylene Chloride	ND	47.8		ug/L	50.0	96%	71 - 136	0.6	36	10E3652	NTE1121-07	05/21/10 06:22

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3652-MSD1												
4-Methyl-2-pentanone	ND	249		ug/L	250	100%	62 - 159	4	35	10E3652	NTE1121-07	05/21/10 06:22
Naphthalene	ND	45.5		ug/L	50.0	91%	56 - 161	7	30	10E3652	NTE1121-07	05/21/10 06:22
n-Propylbenzene	ND	57.6		ug/L	50.0	115%	61 - 167	13	23	10E3652	NTE1121-07	05/21/10 06:22
Styrene	ND	55.2		ug/L	50.0	110%	69 - 150	5	29	10E3652	NTE1121-07	05/21/10 06:22
1,1,1,2-Tetrachloroethane	ND	52.3		ug/L	50.0	105%	80 - 140	2	11	10E3652	NTE1121-07	05/21/10 06:22
1,1,2,2-Tetrachloroethane	ND	53.4		ug/L	50.0	107%	76 - 141	1	28	10E3652	NTE1121-07	05/21/10 06:22
Tetrachloroethene	ND	56.4		ug/L	50.0	113%	63 - 155	12	16	10E3652	NTE1121-07	05/21/10 06:22
Toluene	ND	55.5		ug/L	50.0	111%	61 - 153	6	35	10E3652	NTE1121-07	05/21/10 06:22
1,2,3-Trichlorobenzene	ND	39.4		ug/L	50.0	79%	57 - 155	9	28	10E3652	NTE1121-07	05/21/10 06:22
1,2,4-Trichlorobenzene	ND	40.8		ug/L	50.0	82%	64 - 147	11	23	10E3652	NTE1121-07	05/21/10 06:22
1,1,2-Trichloroethane	ND	52.8		ug/L	50.0	106%	74 - 138	2	21	10E3652	NTE1121-07	05/21/10 06:22
1,1,1-Trichloroethane	ND	56.4		ug/L	50.0	113%	78 - 153	6	29	10E3652	NTE1121-07	05/21/10 06:22
Trichloroethene	46.9	106		ug/L	50.0	117%	74 - 139	6	11	10E3652	NTE1121-07	05/21/10 06:22
Trichlorofluoromethane	ND	47.1		ug/L	50.0	94%	53 - 149	7	33	10E3652	NTE1121-07	05/21/10 06:22
1,2,3-Trichloropropane	ND	53.4		ug/L	50.0	107%	49 - 148	0.1	25	10E3652	NTE1121-07	05/21/10 06:22
1,3,5-Trimethylbenzene	ND	58.1		ug/L	50.0	116%	67 - 151	12	21	10E3652	NTE1121-07	05/21/10 06:22
1,2,4-Trimethylbenzene	ND	54.6		ug/L	50.0	109%	69 - 150	10	20	10E3652	NTE1121-07	05/21/10 06:22
Vinyl chloride	10.2	53.4		ug/L	50.0	86%	53 - 137	4	32	10E3652	NTE1121-07	05/21/10 06:22
Xylenes, total	ND	177		ug/L	150	118%	68 - 158	8	18	10E3652	NTE1121-07	05/21/10 06:22
Surrogate: 1,2-Dichloroethane-d4		23.4		ug/L	25.0	93%	63 - 140			10E3652	NTE1121-07	05/21/10 06:22
Surrogate: Dibromofluoromethane		25.2		ug/L	25.0	101%	73 - 131			10E3652	NTE1121-07	05/21/10 06:22
Surrogate: Toluene-d8		25.1		ug/L	25.0	100%	80 - 120			10E3652	NTE1121-07	05/21/10 06:22
Surrogate: 4-Bromofluorobenzene		24.2		ug/L	25.0	97%	79 - 125			10E3652	NTE1121-07	05/21/10 06:22
10E3653-MSD1												
Acetone	ND	2410		ug/L	2500	96%	56 - 150	1	31	10E3653	NTE1121-02RE1	05/21/10 18:52
Benzene	ND	553		ug/L	500	111%	65 - 151	1	12	10E3653	NTE1121-02RE1	05/21/10 18:52
Bromobenzene	ND	566		ug/L	500	113%	69 - 142	2	23	10E3653	NTE1121-02RE1	05/21/10 18:52
Bromochloromethane	ND	520		ug/L	500	104%	64 - 154	0.1	32	10E3653	NTE1121-02RE1	05/21/10 18:52
Bromodichloromethane	ND	590		ug/L	500	118%	75 - 138	3	13	10E3653	NTE1121-02RE1	05/21/10 18:52
Bromoform	ND	471		ug/L	500	94%	55 - 153	2	18	10E3653	NTE1121-02RE1	05/21/10 18:52
Bromomethane	ND	633		ug/L	500	127%	13 - 176	6	50	10E3653	NTE1121-02RE1	05/21/10 18:52
2-Butanone	ND	2700		ug/L	2500	108%	45 - 164	0.5	37	10E3653	NTE1121-02RE1	05/21/10 18:52
sec-Butylbenzene	ND	592		ug/L	500	118%	68 - 159	6	21	10E3653	NTE1121-02RE1	05/21/10 18:52
n-Butylbenzene	ND	602	R2	ug/L	500	120%	67 - 151	12	11	10E3653	NTE1121-02RE1	05/21/10 18:52

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E3653-MSD1												
tert-Butylbenzene	ND	598		ug/L	500	120%	73 - 153	0.7	20	10E3653	NTE1121-02RE1	05/21/10 18:52
Carbon disulfide	ND	538		ug/L	500	108%	33 - 187	1	28	10E3653	NTE1121-02RE1	05/21/10 18:52
Carbon Tetrachloride	ND	648		ug/L	500	130%	64 - 157	4	26	10E3653	NTE1121-02RE1	05/21/10 18:52
Chlorobenzene	ND	552		ug/L	500	110%	78 - 136	2	11	10E3653	NTE1121-02RE1	05/21/10 18:52
Chlorodibromomethane	ND	520		ug/L	500	104%	64 - 145	3	16	10E3653	NTE1121-02RE1	05/21/10 18:52
Chloroethane	ND	569		ug/L	500	114%	48 - 159	5	35	10E3653	NTE1121-02RE1	05/21/10 18:52
Chloroform	11.8	528		ug/L	500	103%	72 - 145	2	32	10E3653	NTE1121-02RE1	05/21/10 18:52
Chloromethane	ND	375		ug/L	500	75%	10 - 194	3	34	10E3653	NTE1121-02RE1	05/21/10 18:52
2-Chlorotoluene	ND	573		ug/L	500	115%	66 - 155	0.6	22	10E3653	NTE1121-02RE1	05/21/10 18:52
4-Chlorotoluene	ND	599		ug/L	500	120%	69 - 149	1	22	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2-Dibromo-3-chloropropane	ND	444		ug/L	500	89%	49 - 162	2	21	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2-Dibromoethane (EDB)	ND	563		ug/L	500	113%	70 - 152	1	10	10E3653	NTE1121-02RE1	05/21/10 18:52
Dibromomethane	ND	543		ug/L	500	109%	75 - 141	3	11	10E3653	NTE1121-02RE1	05/21/10 18:52
1,4-Dichlorobenzene	ND	547		ug/L	500	109%	75 - 135	3	10	10E3653	NTE1121-02RE1	05/21/10 18:52
1,3-Dichlorobenzene	ND	555		ug/L	500	111%	72 - 146	2	18	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2-Dichlorobenzene	ND	556		ug/L	500	111%	80 - 136	5	11	10E3653	NTE1121-02RE1	05/21/10 18:52
Dichlorodifluoromethane	ND	356		ug/L	500	71%	23 - 159	4	32	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1-Dichloroethane	ND	577		ug/L	500	115%	64 - 154	2	34	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2-Dichloroethane	8.50	564		ug/L	500	111%	72 - 137	2	25	10E3653	NTE1121-02RE1	05/21/10 18:52
cis-1,2-Dichloroethene	3.40	561		ug/L	500	112%	57 - 154	1	32	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1-Dichloroethene	ND	562		ug/L	500	112%	34 - 151	2	31	10E3653	NTE1121-02RE1	05/21/10 18:52
trans-1,2-Dichloroethene	ND	571		ug/L	500	114%	57 - 157	2	32	10E3653	NTE1121-02RE1	05/21/10 18:52
1,3-Dichloropropane	ND	562		ug/L	500	112%	71 - 137	2	20	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2-Dichloropropane	ND	528		ug/L	500	106%	71 - 139	3	11	10E3653	NTE1121-02RE1	05/21/10 18:52
2,2-Dichloropropane	ND	577		ug/L	500	115%	10 - 198	1	11	10E3653	NTE1121-02RE1	05/21/10 18:52
cis-1,3-Dichloropropene	ND	558		ug/L	500	112%	56 - 156	4	35	10E3653	NTE1121-02RE1	05/21/10 18:52

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3653-MSD1												
trans-1,3-Dichloropropene	ND	507		ug/L	500	101%	47 - 157	4	26	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1-Dichloropropene	ND	586		ug/L	500	117%	70 - 155	3	18	10E3653	NTE1121-02RE1	05/21/10 18:52
Ethylbenzene	ND	600		ug/L	500	120%	68 - 157	3	12	10E3653	NTE1121-02RE1	05/21/10 18:52
Hexachlorobutadiene	ND	455		ug/L	500	91%	47 - 173	3	21	10E3653	NTE1121-02RE1	05/21/10 18:52
2-Hexanone	ND	2650		ug/L	2500	106%	57 - 154	2	20	10E3653	NTE1121-02RE1	05/21/10 18:52
Isopropylbenzene	ND	654		ug/L	500	131%	69 - 139	2	15	10E3653	NTE1121-02RE1	05/21/10 18:52
p-Isopropyltoluene	ND	585		ug/L	500	117%	69 - 151	6	18	10E3653	NTE1121-02RE1	05/21/10 18:52
Methyl tert-Butyl Ether	ND	576		ug/L	500	115%	56 - 152	1	32	10E3653	NTE1121-02RE1	05/21/10 18:52
Methylene Chloride	10.0	496		ug/L	500	97%	71 - 136	0.2	36	10E3653	NTE1121-02RE1	05/21/10 18:52
4-Methyl-2-pentanone	29.7	2650		ug/L	2500	105%	62 - 159	2	35	10E3653	NTE1121-02RE1	05/21/10 18:52
Naphthalene	ND	477		ug/L	500	95%	56 - 161	0.3	30	10E3653	NTE1121-02RE1	05/21/10 18:52
n-Propylbenzene	ND	607		ug/L	500	121%	61 - 167	0.07	23	10E3653	NTE1121-02RE1	05/21/10 18:52
Styrene	ND	594		ug/L	500	119%	69 - 150	2	29	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1,1,2-Tetrachloroethane	ND	534		ug/L	500	107%	80 - 140	0.7	11	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1,2,2-Tetrachloroethane	ND	563		ug/L	500	113%	76 - 141	2	28	10E3653	NTE1121-02RE1	05/21/10 18:52
Tetrachloroethene	ND	584		ug/L	500	117%	63 - 155	4	16	10E3653	NTE1121-02RE1	05/21/10 18:52
Toluene	ND	580		ug/L	500	116%	61 - 153	3	35	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2,3-Trichlorobenzene	ND	416		ug/L	500	83%	57 - 155	1	28	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2,4-Trichlorobenzene	ND	437		ug/L	500	87%	64 - 147	0.3	23	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1,2-Trichloroethane	ND	545		ug/L	500	109%	74 - 138	0.7	21	10E3653	NTE1121-02RE1	05/21/10 18:52
1,1,1-Trichloroethane	ND	583		ug/L	500	117%	78 - 153	2	29	10E3653	NTE1121-02RE1	05/21/10 18:52
Trichloroethene	270	828		ug/L	500	111%	74 - 139	2	11	10E3653	NTE1121-02RE1	05/21/10 18:52
Trichlorofluoromethane	ND	491		ug/L	500	98%	53 - 149	3	33	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2,3-Trichloropropane	ND	563		ug/L	500	113%	49 - 148	4	25	10E3653	NTE1121-02RE1	05/21/10 18:52
1,3,5-Trimethylbenzene	ND	621		ug/L	500	124%	67 - 151	0.7	21	10E3653	NTE1121-02RE1	05/21/10 18:52
1,2,4-Trimethylbenzene	ND	585		ug/L	500	117%	69 - 150	0.8	20	10E3653	NTE1121-02RE1	05/21/10 18:52

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E3653-MSD1												
Vinyl chloride	ND	430		ug/L	500	86%	53 - 137	1	32	10E3653	NTE1121-02RE1	05/21/10 18:52
Xylenes, total	ND	1840		ug/L	1500	123%	68 - 158	3	18	10E3653	NTE1121-02RE1	05/21/10 18:52
Diisopropyl Ether	ND	568		ug/L	500	114%	59 - 145	3	32	10E3653	NTE1121-02RE1	05/21/10 18:52
Surrogate: 1,2-Dichloroethane-d4		23.9		ug/L	25.0	96%	63 - 140			10E3653	NTE1121-02RE1	05/21/10 18:52
Surrogate: Dibromofluoromethane		25.1		ug/L	25.0	100%	73 - 131			10E3653	NTE1121-02RE1	05/21/10 18:52
Surrogate: Toluene-d8		25.2		ug/L	25.0	101%	80 - 120			10E3653	NTE1121-02RE1	05/21/10 18:52
Surrogate: 4-Bromofluorobenzene		24.9		ug/L	25.0	100%	79 - 125			10E3653	NTE1121-02RE1	05/21/10 18:52
10E4076-MSD1												
Acetone	ND	256		ug/L	250	103%	56 - 150	14	31	10E4076	NTE1121-23	05/20/10 08:28
Benzene	ND	53.1		ug/L	50.0	106%	65 - 151	5	12	10E4076	NTE1121-23	05/20/10 08:28
Bromobenzene	ND	52.5		ug/L	50.0	105%	69 - 142	7	23	10E4076	NTE1121-23	05/20/10 08:28
Bromochloromethane	ND	53.6		ug/L	50.0	107%	64 - 154	6	32	10E4076	NTE1121-23	05/20/10 08:28
Bromodichloromethane	ND	49.9		ug/L	50.0	100%	75 - 138	7	13	10E4076	NTE1121-23	05/20/10 08:28
Bromoform	ND	47.3		ug/L	50.0	95%	55 - 153	8	18	10E4076	NTE1121-23	05/20/10 08:28
Bromomethane	ND	52.4		ug/L	50.0	105%	13 - 176	10	50	10E4076	NTE1121-23	05/20/10 08:28
2-Butanone	ND	270		ug/L	250	108%	45 - 164	9	37	10E4076	NTE1121-23	05/20/10 08:28
sec-Butylbenzene	ND	56.7		ug/L	50.0	113%	68 - 159	7	21	10E4076	NTE1121-23	05/20/10 08:28
n-Butylbenzene	ND	57.6		ug/L	50.0	115%	67 - 151	8	11	10E4076	NTE1121-23	05/20/10 08:28
tert-Butylbenzene	ND	56.4		ug/L	50.0	113%	73 - 153	7	20	10E4076	NTE1121-23	05/20/10 08:28
Carbon disulfide	ND	54.9		ug/L	50.0	110%	33 - 187	5	28	10E4076	NTE1121-23	05/20/10 08:28
Carbon Tetrachloride	ND	52.4		ug/L	50.0	105%	64 - 157	5	26	10E4076	NTE1121-23	05/20/10 08:28
Chlorobenzene	ND	54.1		ug/L	50.0	108%	78 - 136	6	11	10E4076	NTE1121-23	05/20/10 08:28
Chlorodibromomethane	ND	50.5		ug/L	50.0	101%	64 - 145	8	16	10E4076	NTE1121-23	05/20/10 08:28
Chloroethane	ND	44.6		ug/L	50.0	89%	48 - 159	4	35	10E4076	NTE1121-23	05/20/10 08:28
Chloroform	ND	51.8		ug/L	50.0	104%	72 - 145	5	32	10E4076	NTE1121-23	05/20/10 08:28
Chloromethane	ND	46.8		ug/L	50.0	94%	10 - 194	6	34	10E4076	NTE1121-23	05/20/10 08:28
2-Chlorotoluene	ND	52.8		ug/L	50.0	106%	66 - 155	6	22	10E4076	NTE1121-23	05/20/10 08:28
4-Chlorotoluene	ND	54.3		ug/L	50.0	109%	69 - 149	8	22	10E4076	NTE1121-23	05/20/10 08:28
1,2-Dibromo-3-chloropropane	ND	49.0		ug/L	50.0	98%	49 - 162	13	21	10E4076	NTE1121-23	05/20/10 08:28
1,2-Dibromoethane (EDB)	ND	57.2		ug/L	50.0	114%	70 - 152	8	10	10E4076	NTE1121-23	05/20/10 08:28
Dibromomethane	ND	53.6		ug/L	50.0	107%	75 - 141	6	11	10E4076	NTE1121-23	05/20/10 08:28
1,4-Dichlorobenzene	ND	53.1		ug/L	50.0	106%	75 - 135	8	10	10E4076	NTE1121-23	05/20/10 08:28
1,3-Dichlorobenzene	ND	54.1		ug/L	50.0	108%	72 - 146	9	18	10E4076	NTE1121-23	05/20/10 08:28
1,2-Dichlorobenzene	ND	54.4		ug/L	50.0	109%	80 - 136	8	11	10E4076	NTE1121-23	05/20/10 08:28
Dichlorodifluoromethane	ND	41.1		ug/L	50.0	82%	23 - 159	4	32	10E4076	NTE1121-23	05/20/10 08:28
1,1-Dichloroethane	ND	62.2		ug/L	50.0	124%	64 - 154	5	34	10E4076	NTE1121-23	05/20/10 08:28

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E4076-MSD1												
1,2-Dichloroethane	ND	52.3		ug/L	50.0	105%	72 - 137	6	25	10E4076	NTE1121-23	05/20/10 08:28
cis-1,2-Dichloroethene	0.820	55.1		ug/L	50.0	109%	57 - 154	4	32	10E4076	NTE1121-23	05/20/10 08:28
1,1-Dichloroethene	ND	49.8		ug/L	50.0	100%	34 - 151	5	31	10E4076	NTE1121-23	05/20/10 08:28
trans-1,2-Dichloroethene	ND	65.1		ug/L	50.0	130%	57 - 157	4	32	10E4076	NTE1121-23	05/20/10 08:28
1,3-Dichloropropane	ND	55.4		ug/L	50.0	111%	71 - 137	7	20	10E4076	NTE1121-23	05/20/10 08:28
1,2-Dichloropropane	ND	53.7		ug/L	50.0	107%	71 - 139	6	11	10E4076	NTE1121-23	05/20/10 08:28
2,2-Dichloropropane	ND	52.6		ug/L	50.0	105%	10 - 198	6	11	10E4076	NTE1121-23	05/20/10 08:28
cis-1,3-Dichloropropene	ND	52.3		ug/L	50.0	105%	56 - 156	8	35	10E4076	NTE1121-23	05/20/10 08:28
trans-1,3-Dichloropropene	ND	49.1		ug/L	50.0	98%	47 - 157	9	26	10E4076	NTE1121-23	05/20/10 08:28
1,1-Dichloropropene	ND	55.9		ug/L	50.0	112%	70 - 155	4	18	10E4076	NTE1121-23	05/20/10 08:28
Ethylbenzene	ND	55.0		ug/L	50.0	110%	68 - 157	5	12	10E4076	NTE1121-23	05/20/10 08:28
Hexachlorobutadiene	ND	54.9		ug/L	50.0	110%	47 - 173	9	21	10E4076	NTE1121-23	05/20/10 08:28
2-Hexanone	ND	300		ug/L	250	120%	57 - 154	9	20	10E4076	NTE1121-23	05/20/10 08:28
Isopropylbenzene	ND	62.2		ug/L	50.0	124%	69 - 139	6	15	10E4076	NTE1121-23	05/20/10 08:28
p-Isopropyltoluene	ND	55.6		ug/L	50.0	111%	69 - 151	7	18	10E4076	NTE1121-23	05/20/10 08:28
Methyl tert-Butyl Ether	ND	61.1		ug/L	50.0	122%	56 - 152	8	32	10E4076	NTE1121-23	05/20/10 08:28
Methylene Chloride	ND	59.3		ug/L	50.0	119%	71 - 136	5	36	10E4076	NTE1121-23	05/20/10 08:28
4-Methyl-2-pentanone	ND	281		ug/L	250	113%	62 - 159	9	35	10E4076	NTE1121-23	05/20/10 08:28
Naphthalene	ND	54.0		ug/L	50.0	108%	56 - 161	13	30	10E4076	NTE1121-23	05/20/10 08:28
n-Propylbenzene	ND	55.0		ug/L	50.0	110%	61 - 167	6	23	10E4076	NTE1121-23	05/20/10 08:28
Styrene	ND	57.5		ug/L	50.0	115%	69 - 150	7	29	10E4076	NTE1121-23	05/20/10 08:28
1,1,1,2-Tetrachloroethane	ND	51.9		ug/L	50.0	104%	80 - 140	6	11	10E4076	NTE1121-23	05/20/10 08:28
1,1,2,2-Tetrachloroethane	ND	53.6		ug/L	50.0	107%	76 - 141	8	28	10E4076	NTE1121-23	05/20/10 08:28
Tetrachloroethene	ND	54.3		ug/L	50.0	109%	63 - 155	5	16	10E4076	NTE1121-23	05/20/10 08:28
Toluene	ND	55.5		ug/L	50.0	111%	61 - 153	5	35	10E4076	NTE1121-23	05/20/10 08:28
1,2,3-Trichlorobenzene	ND	56.1		ug/L	50.0	112%	57 - 155	12	28	10E4076	NTE1121-23	05/20/10 08:28
1,2,4-Trichlorobenzene	ND	56.9		ug/L	50.0	114%	64 - 147	11	23	10E4076	NTE1121-23	05/20/10 08:28
1,1,2-Trichloroethane	ND	55.2		ug/L	50.0	110%	74 - 138	6	21	10E4076	NTE1121-23	05/20/10 08:28
1,1,1-Trichloroethane	ND	58.8		ug/L	50.0	118%	78 - 153	5	29	10E4076	NTE1121-23	05/20/10 08:28
Trichloroethene	4.70	61.9		ug/L	50.0	114%	74 - 139	1	11	10E4076	NTE1121-23	05/20/10 08:28
Trichlorofluoromethane	ND	47.8		ug/L	50.0	96%	53 - 149	5	33	10E4076	NTE1121-23	05/20/10 08:28
1,2,3-Trichloropropane	ND	53.4		ug/L	50.0	107%	49 - 148	8	25	10E4076	NTE1121-23	05/20/10 08:28
1,3,5-Trimethylbenzene	ND	55.0		ug/L	50.0	110%	67 - 151	7	21	10E4076	NTE1121-23	05/20/10 08:28
1,2,4-Trimethylbenzene	ND	52.1		ug/L	50.0	104%	69 - 150	7	20	10E4076	NTE1121-23	05/20/10 08:28
Vinyl chloride	ND	46.6		ug/L	50.0	93%	53 - 137	6	32	10E4076	NTE1121-23	05/20/10 08:28
Xylenes, total	ND	162		ug/L	150	108%	68 - 158	6	18	10E4076	NTE1121-23	05/20/10 08:28
Surrogate: 1,2-Dichloroethane-d4		25.2		ug/L	25.0	101%	63 - 140			10E4076	NTE1121-23	05/20/10 08:28
Surrogate: Dibromofluoromethane		25.4		ug/L	25.0	102%	73 - 131			10E4076	NTE1121-23	05/20/10 08:28
Surrogate: Toluene-d8		24.9		ug/L	25.0	100%	80 - 120			10E4076	NTE1121-23	05/20/10 08:28
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	98%	79 - 125			10E4076	NTE1121-23	05/20/10 08:28

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E4124-MSD1												
Acetone	ND	2260		ug/L	2500	90%	56 - 150	5	31	10E4124	NTE1121-20RE1	05/20/10 21:18
Benzene	ND	531		ug/L	500	106%	65 - 151	0.6	12	10E4124	NTE1121-20RE1	05/20/10 21:18
Bromobenzene	ND	530		ug/L	500	106%	69 - 142	2	23	10E4124	NTE1121-20RE1	05/20/10 21:18
Bromochloromethane	ND	534		ug/L	500	107%	64 - 154	2	32	10E4124	NTE1121-20RE1	05/20/10 21:18
Bromodichloromethane	ND	490		ug/L	500	98%	75 - 138	1	13	10E4124	NTE1121-20RE1	05/20/10 21:18
Bromoform	ND	458		ug/L	500	92%	55 - 153	0.5	18	10E4124	NTE1121-20RE1	05/20/10 21:18
Bromomethane	ND	498		ug/L	500	100%	13 - 176	1	50	10E4124	NTE1121-20RE1	05/20/10 21:18
2-Butanone	ND	2590		ug/L	2500	103%	45 - 164	3	37	10E4124	NTE1121-20RE1	05/20/10 21:18
sec-Butylbenzene	ND	587		ug/L	500	117%	68 - 159	2	21	10E4124	NTE1121-20RE1	05/20/10 21:18
n-Butylbenzene	ND	598		ug/L	500	120%	67 - 151	2	11	10E4124	NTE1121-20RE1	05/20/10 21:18
tert-Butylbenzene	ND	576		ug/L	500	115%	73 - 153	2	20	10E4124	NTE1121-20RE1	05/20/10 21:18
Carbon disulfide	ND	542		ug/L	500	108%	33 - 187	2	28	10E4124	NTE1121-20RE1	05/20/10 21:18
Carbon Tetrachloride	ND	529		ug/L	500	106%	64 - 157	0.6	26	10E4124	NTE1121-20RE1	05/20/10 21:18
Chlorobenzene	ND	545		ug/L	500	109%	78 - 136	0.4	11	10E4124	NTE1121-20RE1	05/20/10 21:18
Chlorodibromomethane	ND	494		ug/L	500	99%	64 - 145	0.06	16	10E4124	NTE1121-20RE1	05/20/10 21:18
Chloroethane	ND	427		ug/L	500	85%	48 - 159	3	35	10E4124	NTE1121-20RE1	05/20/10 21:18
Chloroform	13.0	529		ug/L	500	103%	72 - 145	0.9	32	10E4124	NTE1121-20RE1	05/20/10 21:18
Chloromethane	ND	428		ug/L	500	86%	10 - 194	2	34	10E4124	NTE1121-20RE1	05/20/10 21:18
2-Chlorotoluene	ND	544		ug/L	500	109%	66 - 155	2	22	10E4124	NTE1121-20RE1	05/20/10 21:18
4-Chlorotoluene	ND	553		ug/L	500	111%	69 - 149	2	22	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2-Dibromo-3-chloropropane	ND	466		ug/L	500	93%	49 - 162	3	21	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2-Dibromoethane (EDB)	ND	559		ug/L	500	112%	70 - 152	2	10	10E4124	NTE1121-20RE1	05/20/10 21:18
Dibromomethane	ND	532		ug/L	500	106%	75 - 141	1	11	10E4124	NTE1121-20RE1	05/20/10 21:18
1,4-Dichlorobenzene	ND	540		ug/L	500	108%	75 - 135	0.7	10	10E4124	NTE1121-20RE1	05/20/10 21:18
1,3-Dichlorobenzene	ND	548		ug/L	500	110%	72 - 146	0.8	18	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2-Dichlorobenzene	ND	550		ug/L	500	110%	80 - 136	0.7	11	10E4124	NTE1121-20RE1	05/20/10 21:18

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 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												
10E4124-MSD1												
Dichlorodifluoromethane	ND	358		ug/L	500	72%	23 - 159	1	32	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1-Dichloroethane	ND	502		ug/L	500	100%	64 - 154	0.02	34	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2-Dichloroethane	ND	518		ug/L	500	104%	72 - 137	3	25	10E4124	NTE1121-20RE1	05/20/10 21:18
cis-1,2-Dichloroethene	186	785		ug/L	500	120%	57 - 154	0.1	32	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1-Dichloroethene	ND	500		ug/L	500	100%	34 - 151	2	31	10E4124	NTE1121-20RE1	05/20/10 21:18
trans-1,2-Dichloroethene	14.4	532		ug/L	500	104%	57 - 157	0.5	32	10E4124	NTE1121-20RE1	05/20/10 21:18
1,3-Dichloropropane	ND	551		ug/L	500	110%	71 - 137	2	20	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2-Dichloropropane	ND	530		ug/L	500	106%	71 - 139	1	11	10E4124	NTE1121-20RE1	05/20/10 21:18
2,2-Dichloropropane	ND	580		ug/L	500	116%	10 - 198	0.3	11	10E4124	NTE1121-20RE1	05/20/10 21:18
cis-1,3-Dichloropropene	ND	527		ug/L	500	105%	56 - 156	1	35	10E4124	NTE1121-20RE1	05/20/10 21:18
trans-1,3-Dichloropropene	ND	493		ug/L	500	99%	47 - 157	0.4	26	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1-Dichloropropene	ND	567		ug/L	500	113%	70 - 155	0.2	18	10E4124	NTE1121-20RE1	05/20/10 21:18
Ethylbenzene	ND	561		ug/L	500	112%	68 - 157	0.1	12	10E4124	NTE1121-20RE1	05/20/10 21:18
Hexachlorobutadiene	ND	552		ug/L	500	110%	47 - 173	5	21	10E4124	NTE1121-20RE1	05/20/10 21:18
2-Hexanone	ND	2850		ug/L	2500	114%	57 - 154	1	20	10E4124	NTE1121-20RE1	05/20/10 21:18
Isopropylbenzene	ND	641		ug/L	500	128%	69 - 139	0.5	15	10E4124	NTE1121-20RE1	05/20/10 21:18
p-Isopropyltoluene	ND	573		ug/L	500	115%	69 - 151	2	18	10E4124	NTE1121-20RE1	05/20/10 21:18
Methyl tert-Butyl Ether	ND	499		ug/L	500	100%	56 - 152	0.04	32	10E4124	NTE1121-20RE1	05/20/10 21:18
Methylene Chloride	6.90	510		ug/L	500	101%	71 - 136	0.3	36	10E4124	NTE1121-20RE1	05/20/10 21:18
4-Methyl-2-pentanone	ND	2700		ug/L	2500	108%	62 - 159	1	35	10E4124	NTE1121-20RE1	05/20/10 21:18
Naphthalene	ND	529		ug/L	500	106%	56 - 161	2	30	10E4124	NTE1121-20RE1	05/20/10 21:18
n-Propylbenzene	ND	569		ug/L	500	114%	61 - 167	2	23	10E4124	NTE1121-20RE1	05/20/10 21:18
Styrene	ND	581		ug/L	500	116%	69 - 150	0.7	29	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1,1,2-Tetrachloroethane	ND	518		ug/L	500	104%	80 - 140	0.06	11	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1,2,2-Tetrachloroethane	ND	526		ug/L	500	105%	76 - 141	0.9	28	10E4124	NTE1121-20RE1	05/20/10 21:18
Tetrachloroethene	ND	558		ug/L	500	112%	63 - 155	0.8	16	10E4124	NTE1121-20RE1	05/20/10 21:18

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
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Attn	Joe Deatherage	Received:	05/13/10 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												
10E4124-MSD1												
Toluene	ND	563		ug/L	500	113%	61 - 153	0.1	35	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2,3-Trichlorobenzene	ND	562		ug/L	500	112%	57 - 155	2	28	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2,4-Trichlorobenzene	ND	576		ug/L	500	115%	64 - 147	2	23	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1,2-Trichloroethane	ND	549		ug/L	500	110%	74 - 138	2	21	10E4124	NTE1121-20RE1	05/20/10 21:18
1,1,1-Trichloroethane	ND	592		ug/L	500	118%	78 - 153	0.8	29	10E4124	NTE1121-20RE1	05/20/10 21:18
Trichloroethene	821	1550	M7	ug/L	500	146%	74 - 139	0.4	11	10E4124	NTE1121-20RE1	05/20/10 21:18
Trichlorofluoromethane	ND	464		ug/L	500	93%	53 - 149	2	33	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2,3-Trichloropropane	ND	526		ug/L	500	105%	49 - 148	0.1	25	10E4124	NTE1121-20RE1	05/20/10 21:18
1,3,5-Trimethylbenzene	ND	562		ug/L	500	112%	67 - 151	2	21	10E4124	NTE1121-20RE1	05/20/10 21:18
1,2,4-Trimethylbenzene	ND	535		ug/L	500	107%	69 - 150	1	20	10E4124	NTE1121-20RE1	05/20/10 21:18
Vinyl chloride	ND	444		ug/L	500	89%	53 - 137	3	32	10E4124	NTE1121-20RE1	05/20/10 21:18
Xylenes, total	ND	1650		ug/L	1500	110%	68 - 158	0.2	18	10E4124	NTE1121-20RE1	05/20/10 21:18
Surrogate: 1,2-Dichloroethane-d4		25.1		ug/L	25.0	100%	63 - 140			10E4124	NTE1121-20RE1	05/20/10 21:18
Surrogate: Dibromofluoromethane		25.6		ug/L	25.0	102%	73 - 131			10E4124	NTE1121-20RE1	05/20/10 21:18
Surrogate: Toluene-d8		25.3		ug/L	25.0	101%	80 - 120			10E4124	NTE1121-20RE1	05/20/10 21:18
Surrogate: 4-Bromofluorobenzene		24.4		ug/L	25.0	97%	79 - 125			10E4124	NTE1121-20RE1	05/20/10 21:18

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	MACTEC Engineering & Consulting, Inc. (4997)	Work Order:	NTE1121
	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

NELAC CERTIFICATION SUMMARY

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

Method	Matrix	Analyte
RSK 175 M	Water	Ethene
		Methane
SM 4500CO2 C	Water	Carbon Dioxide

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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	9725 Cogdill Rd.	Project Name:	Former Taylor Instruments
	Knoxville, TN 37932	Project Number:	3031-05-2006-09
Attn	Joe Deatherage	Received:	05/13/10 08:00

DATA QUALIFIERS AND DEFINITIONS

HTI	The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

APPENDIX F

CHAIN-OF-CUSTODY FORMS

Microseeps Lab. Proj. # P1005214

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # 124

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : MACTEC

Co. Address : 9725 Cogdill Road

Phone # : 865-588-8544 Fax # : 865-588-8026

Proj. Manager : Joe Deatherage

Proj. Name/Number : Former Taylor Instruments

Sampler's signature : Cynthia Cudd

Cooler Temp.

Results to :

Invoice to : MACTEC EXC

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# Bottles	Parameters Requested: VFA	Remarks :
OB-04	—	X			5/12/10	1337	2	X	
OB-08	—	X			5/12/10	1243	2	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Cynthia Cudd	MACTEC	5/12/10	1600			5/13	1100
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

Client:	MACTEC Engineering & Consulting, Inc. (4997)	**TA Account #:**	63036 **PO #:** 201001308
Address:	9725 Cogdill Rd.	**Invoice to:**	MACTEC Engineering & Consulting (80116)
City, State, Zip:	Knoxville TN 37932	**Report to:**	Joe Deatherage
Client Invoice Contact:	VendorElectronicInvoices	**Project Name:**	Former Taylor Instruments
Client Project Mgr:	Joe Deatherage	**Facility ID:**	3031-05-2006-~~09~~ 14
Client Telephone#:	(865) 588-8544 **Fax:** (865) 588-8026	**Reg District (CA):**	
Sampler Name (Print)	Courtney Wolf / Brandon Shaw	**Site Address:**	
SamplerSignature:	Courtney Wolf	**City,State,Zip:**	New York

NTE1121
05/27/10 23:59

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	(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	(specify) Other	8260B Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B			RUSH TAT (Pre Schedule) *
BR-06	5/11/10	1045	3	X		N			X						X						X					1		
BR-03	5/11/10	1302	3	X		N			X						X						X					2		
BR-08	5/11/10	1429	3	X		N			X						X						X					3		
BR-01	5/11/10	1111	3	X		N			X						X						X					4		
QARB-02	5/12/10	1334	3	X		N			X						X						X					5		
QATB-01	—	—	2	X		N			X						X						X					6		
BR-05	5/12/10	1119	3	X		N			X						X						X					7		
BR-05 MS	5/12/10	1119	3	X		N			X						X						X					~~8~~	7	[illegible]
BR-05 MSD	5/12/10	1119	3	X		N			X						X						X					~~9~~	7	
BR-17	5/11/10	1416	3	X		N			X						X						X					~~10~~	8	

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

NOTES/SPECIAL INSTRUCTIONS: *BO # 19569*

* 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:
Courtney Wolf	5/12/10	1600						

Shipped Via:	**Shipped Via:**	**QC Deliverables (Please Circle One) :** Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
Received for TestAmerica by: [signature] **Date:** 5/13/10 **Time:** 8:00	**Temperature Upon Receipt:** 3.9 **Sample Containers Intact?** Y N **VOCs Free of Headspace?** Y N	**Date Due of Report:**

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Client: MACTEC Engineering & Consulting, Inc. (4997)
TA Account #: 63036 PO #: 201001308
Address: 9725 Cogdill Rd.
Invoice to: MACTEC Engineering & Consulting (80116)
City, State, Zip: Knoxville TN 37932
Report to: Joe Deatherage
Client Invoice Contact: VendorElectronicInvoices
Project Name: Former Taylor Instruments
Client Project Mgr: Joe Deatherage
Facility ID: 3031-05-2006-~~89~~ 14
Client Telephone#: (865) 588-8544 Fax: (865) 588-8026
Reg District (CA):
Sampler Name (Print) Courtney Wolf / Brandon Shaw
Site Address:
SamplerSignature:
City,State,Zip: New York

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B											RUSH TAT (Pre Schedule) *
QARB-01	5/12/10	1326	3	X		N			X						X						X					9	11								5 day 5/13/10
TW-07	5/11/10	1216	3	X		N			X						X						X					10	12								
TW-20	5/11/10	1216	3	X		N			X						X						X					11	13								
BR-09	5/11/10	1630	3	X		N			X						X						X					12	14								
BR-10	5/11/10	1524	3	X		N			X						X						X					13	15								
W-5 Dup	5/12/10	1218	3	X		N			X						X						X					14	16								
W-5	5/12/10	1218	3	X		N			X						X						X					15	17								
BR-11	5/11/10	1645	3	X		N			X						X						X					16	18								
BR-04	5/12/10	1022	3	X		N			X						X						X					17	19								
TW-04	5/11/10	1259	3	X		N			X						X						X					18	20								

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

NOTES/SPECIAL INSTRUCTIONS: BO # ~~10569~~

* 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:
Courtney Wolf	5/12/10	1600						
Shipped Via:			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 3.9	Sample Containers Intact? Y N				
	5/13/10	8:40		VOCs Free of Headspace? Y N				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

Client: MACTEC Engineering & Consulting, Inc. (4997)
Address: 9725 Cogdill Rd.
City, State, Zip: Knoxville TN 37932
Client Invoice Contact: VendorElectronicInvoices
Client Project Mgr: Joe Deatherage
Client Telephone#: (865) 588-8544 Fax: (865) 588-8026
Sampler Name (Print) Courtney Cuff / Brandon Shaw
SamplerSignature:

TA Account #: 63036 PO #: 201001308
Invoice to: MACTEC Engineering & Consulting (80116)
Report to: Joe Deatherage
Project Name: Former Taylor Instruments
Facility ID: 3031-05-2006-[illegible] 14
Reg District (CA):
Site Address:
City,State,Zip: New York

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B	RUSH TAT (Pre Schedule) *
TW-09	5/12/10	1055	3	X		N			X						X						X				19	
BR-02	5/11/10	1145	3	X		N			X						X						X				20	
QAFB-02	5/12/10	1355	3	X		N			X						X						X				21	
BR-11 Dup	5/11/10	1645	3	X		N			X						X						X				22	
OB-07	5/11/10	1558	3	X		N			X						X						X				23	
OB-07 MS	5/11/10	1558	3	X		N			X						X						X					
OB-07 MSD	5/11/10	1558	3	X		N			X						X						X					
QAFB-01	5/12/10	1319	3	X		N			X						X						X					
OB-05	5/12/10	1002	3	X		N			X						X						X				25	
OB-09	5/12/10	0922	3	X		N			X						X						X				26	

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

NOTES/SPECIAL INSTRUCTIONS: BO # 19569

* 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:
Courtney Cuff	5/12/10	1600						
Shipped Via:			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		Date Due of Report:
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 3.9	Sample Containers Intact? Y N				
	5/13/10	840		VOCs Free of Headspace? Y N				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404
',"Reg District (CA)")

Client: MACTEC Engineering & Consulting, Inc. (4997)
TA Account #: 63036 PO #: 201001308
Address: 9725 Cogdill Rd.
Invoice to: MACTEC Engineering & Consulting (80116)
City, State, Zip: Knoxville TN 37932
Report to: Joe Deatherage
Client Invoice Contact: VendorElectronicInvoices
Project Name: Former Taylor Instruments
Client Project Mgr: Joe Deatherage
Facility ID: 3031-05-2006-09 14
Client Telephone#: (865) 588-8544 Fax: (865) 588-8026
Reg District (CA):
Sampler Name (Print) Courtney Wolf / Brandon Shaw
Site Address:
SamplerSignature: Courtney Wolf
City,State,Zip: New York

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B Volatile Organics	Carbon Dioxide SM 4500CO2C	RSK-175 Ethene	RSK-175 Methane	TOC SM5310 B									RUSH TAT (Pre Schedule) *
BR-15	5/12/10	0721	3	X		N			X						X						X					27	31						24 5/15/10
OB-06	5/11/10	1513	3	X		N			X						X						X					28	32						
BR-07	5/11/10	1033	3	X		N			X						X						X					29	33						
TW-17	5/11/10	1145	3	X		N			X						X						X					30	34						
OB-04	5/12/10	1337	8	X		N			X		X				X						X	X	X	X	X	31	35						
QATB02	—	—	—																							32	36						
OB-08	5/12/10	1243	8	X		N			X		X				X						X	X	X	X	X	33	37						

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 # 19569

24 HR Hold on OB-04 and OB-08

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Courtney Wolf	5/12/10	1600						
Shipped Via:			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		Date Due of Report:
Received for TestAmerica by: S. C	Date: 5/13/10	Time: 8:40	Temperature Upon Receipt: 3.9	Sample Containers Intact? Y N; VOCs Free of Headspace? Y N				

APPENDIX G

FIELD DATA RECORDS

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5-12-10

SITE ID: OB-04

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1240 END 1345

JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT

PROTECTIVE CASING / WELL DIFFERENCE: 0.33 FT

INITIAL DEPTH TO WATER: 4.24 FT

WELL DEPTH: 16.45 FT

PID AMBIENT AIR: — PPM

WELL DIAMETER: 2 IN

FINAL DEPTH TO WATER: 6.30 FT

SCREEN LENGTH: 5 FT

PID WELL MOUTH: — PPM

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

DRAWDOWN: 2.1 FT

DRAWDOWN VOLUME: 0.33 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: 0.100 L/MIN

BEGIN PURGING: 1240

END PURGING: 1336

TOTAL VOL. PURGED: ~1.8 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 DTW (BTOR)
1240	pump	on @	OB-04	—	—	—	—	—
1246	1	6.30	0.594	38.2	0.21	13.2	-153	5.34
1251	0.5	6.24	0.603	32.6	0.23	12.9	-161	5.38
1256	0.5	6.23	0.685	35.1	<0.01	12.8	-172	5.91
1301	0.5	6.30	0.728	30.5	<0.01	12.7	-174	6.24
1306	0.5	6.31	0.784	36.2	<0.01	12.7	-181	6.27
1311	0.5	6.33	0.824	37.7	<0.01	12.6	-182	6.28
1316	0.5	6.37	0.922	38.9	<0.01	12.3	-181	6.31
1321	0.5	6.39	0.958	36.9	<0.01	12.2	-181	6.32
1326	0.5	6.40	0.984	38.7	<0.01	12.2	-181	6.33
1331	0.5	6.42	0.991	39.6	<0.01	12.2	-181	6.32
1336	0.5	6.42	0.999	41.4	<0.01	12.2	-181	6.31
1337	Collected	Sample	@ OB-04	(6 VOAS,	2 250ml	poly,	2 amber	VOAs)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: [X] PERISTALTIC [ ] SUBMERSIBLE [ ] OTHER

TYPE OF TUBING: [ ] TEFLON OR TEFLON LINED [X] HIGH DENSITY POLYETHYLENE [ ] OTHER

TYPE OF PUMP MATERIAL: [ ] POLYVINYL CHLORIDE [ ] STAINLESS STEEL [✓] OTHER na

TYPE OF BLADDER MATERIAL (if applicable): [ ] TEFLON [✓] OTHER na

PURGE OBSERVATIONS

purge water: cloudy, lt black, strong odor,
purge ~~water~~ rate: 200 ml/min
~~AS~~.
→changed purge rate to 100 ml/min @ 1246

NOTES

tubing intake depth @ ~10' (BTOC)
-contaminated purge water
-recorded water level @ 1344
-collected TOC, VOA, CO_2, VFA.

SIGNATURE: [signature]

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5/12/10
SITE ID: OB-05
SITE TYPE: Monitor Well
SITE ACTIVITY: START 0933 END 1011
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] 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	4.53 FT	WELL DEPTH	18.0 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	5.14 FT	SCREEN LENGTH	14 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	0.61 FT	DRAWDOWN VOLUME	0.098 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: .125 L/MIN
BEGIN PURGING: 0940
END PURGING: 0959
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)	WL Comments
0941	FC	8.55	1.68	<0.01	8.75	12.20	234	4.75
0945	0.5	8.22	2.00	<0.01	7.92	6.69	239	4.89
0948	0.5	8.16	2.09	<0.01	8.03	6.14	241	4.97
0951	0.5	8.03	2.19	<0.01	8.24	5.36	245	5.01
0955	0.5	8.03	2.22	<0.01	8.30	5.28	247	5.05
0959	0.5	7.95	2.28	<0.01	8.64	5.03	252	5.14
1002	collect	VOC	sample	for OB-05				

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[X] OTHER none
[ ] OTHER	[ ] OTHER	[X] OTHER non-	

PURGE OBSERVATIONS

intake ± 11' BTOC
☆ Temp gauge reading really low

NOTES

Geopump # 5008-26
Horiba U-22 M015-04

SIGNATURE:

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: DB-06
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1440 END 1525
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [✓] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.4 FT

INITIAL DEPTH TO WATER	4.14 FT	WELL DEPTH	16.45 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	5.85 FT	SCREEN LENGTH	10 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	1.71 FT	DRAWDOWN VOLUME	1.3 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: 0.150 L/MIN
BEGIN PURGING: 1449
END PURGING: 1512
TOTAL VOL. PURGED: 1.05 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOR)

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1449	pump on @ DB-06				—	—	—	—
1450	0.5	7.86	0.790	2.6	1.64	13.7	77	
1453	0.5	7.83	0.774	4.6	<0.01	13.2	73	
1456	0.5	7.82	0.767	3.6	1.59	13.3	71	
1459	0.5	7.82	0.767	4.8	1.39	13.2	69	
1503	0.5	7.81	0.767	2.6	1.22	13.2	68	
1506	0.5	7.81	0.771	3.1	1.01	13.1	67	
1509	0.5	7.82	0.774	2.8	0.98	13.1	67	
1512	0.5	7.81	0.778	2.7	0.91	13.1	67	
1513	Sample @ DB-06 (3 VOAs w/ HCl)							

DTW (BTOR): 5.05, 5.47, 5.85, 5.87, 5.82, 5.84, 5.89, 5.85, 5.85

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[✓] OTHER n/a
[ ] OTHER	[ ] OTHER	[✓] OTHER n/a	

PURGE OBSERVATIONS

purge water: colorless
purge rate: 150 ml/min

NOTES

tubing intake depth: ~11' (BTOR).
- decanned water level @ 1521
- containerized purge water.

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: OB-07
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1525 END 1615
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [✓] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.5 FT

INITIAL DEPTH TO WATER	4.76 FT	WELL DEPTH	20.5 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	5.86 FT	SCREEN LENGTH	10 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	1.1 FT	DRAWDOWN VOLUME	0.7 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: 0.150 L/MIN
BEGIN PURGING: 1528
END PURGING: 1557
TOTAL VOL. PURGED: 1.2 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

Time	DTW (BTOR)	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
~~1528~~		Pump in OB-07			—	—	—	—	—
1531	5.51	~0.5	7.74	0.924	4.2	0.53	12.6	94	
1534	5.55	0.5	7.69	0.960	3.4	0.13	12.5	93	
1537	5.58	0.5	7.40	0.880	6.8	2.73	12.6	90	
1540	5.73	0.5	7.83	0.657	4.3	3.92	12.4	84	
1543	5.94	0.5	8.02	0.467	6.0	4.52	12.3	79	
1546	5.97	0.5	7.97	0.451	6.7	4.31	12.3	77	
1549	5.86	0.5	7.96	0.433	6.7	4.23	12.4	79	
1552	5.89	0.5	7.93	0.435	6.4	4.17	12.4	80	
1557	5.86	0.5	7.91	0.441	6.1	4.09	12.4	80	
1558		Sample time for OB-07							
~~1555~~									

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

purge water: colorless.

purge rate: 150 ml/min

collected MS/MSD here

NOTES

tubing intake depth @ 15' (BTOR).

- disconnected water level.

@ 1605

- contained purge water

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5/12/10
SITE ID: OB-08
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1106 END 1300
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] 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	5.47 FT	WELL DEPTH	25.3 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	7.81 FT	SCREEN LENGTH	10 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES X, NO —, N/A —
DRAWDOWN	2.34 FT	DRAWDOWN VOLUME	0.37 GAL	PRODUCT THICKNESS	— FT	CASING	X, —, —
						LOCKED	X, —, —
						COLLAR	—, X, —

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

PURGE RATE: 0.1 L/MIN
BEGIN PURGING: 1113
END PURGING: 1238
TOTAL VOL. PURGED: 2.21 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	FC	8.55	0.142	5.6	4.71	8.09	188	5.40
1123	0.5	8.58	0.177	7.9	2.07	3.63	64	6.49
1134	0.5	8.45	0.187	8.5	1.54	2.92	-103	7.06
1144	0.5	8.32	0.218	9.3	1.28	2.23	-121	7.35
1153	0.5	8.37	0.215	9.8	1.03	1.68	-126	7.54
1202	0.5	8.42	0.221	7.1	0.96	1.16	-132	7.70
1220	1.0	8.45	0.260	6.1	1.17	0.52	-143	7.87
1225	0.5	8.44	0.277	7.6	1.11	0.43	-147	7.88
1229	0.5	8.44	0.278	6.2	1.10	0.30	-149	7.84
1232	0.5	8.41	0.299	6.1	1.04	0.13	-152	7.82
1235	0.5	8.42	0.306	4.0	1.01	0.25	-153	7.82
1238	0.5	8.41	0.309	6.3	1.02	0.13	-155	7.81
1243	collect	samples	for TOC, methane, ethane, VOCs, VFAs, CO2					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[X] OTHER none
[ ] OTHER	[ ] OTHER	[X] OTHER none	

PURGE OBSERVATIONS

* turned pump to lowest setting
** pump picked up speed on own and well began recovering
*** temp gauge reading really low

NOTES

intake @ ± 20' PTOC

SIGNATURE: Gunter Wolf

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-12-10
SITE ID: 1B-09
SITE TYPE: Monitor Well
SITE ACTIVITY: START 0835 END 0928
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.32 FT

INITIAL DEPTH TO WATER	7.33 FT	WELL DEPTH	23.3 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	8.28 FT	SCREEN LENGTH	10 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	0.9 FT	DRAWDOWN VOLUME	0.2 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: 0.150 L/MIN
BEGIN PURGING: 0849
END PURGING: 0921
TOTAL VOL PURGED: ~1.3 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)	DTW (BTOC) ~~Comments~~
0849	pump in TW @ 1B-09			-	-	-	-	7.33
0854	0.5	6.76	0.559	14.1	8.33	17.2	178	8.15
0857	0.5	6.93	0.842	5.1	8.52	12.9	172	8.21
0900	0.5	7.03	0.853	15.3	8.54	12.8	167	8.25
0903	0.5	7.09	0.857	18.3	8.49	12.7	164	8.27
0906	0.5	7.10	0.853	7.1	8.38	12.6	162	8.25
0912	1	7.13	0.853	8.3	8.29	12.6	159	8.28
0915	0.5	7.15	0.859	7.9	8.36	12.6	157	8.27
0918	0.5	7.15	0.853	9.1	8.43	12.6	156	8.27
0921	0.5	7.16	0.862	9.7	8.58	12.6	155	8.28
0922	Sample time @ 1B-09 (3 vials w/ HCl)						—	—

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[x] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[✓] OTHER n/a
[ ] OTHER	[ ] OTHER	[✓] OTHER n/a	

PURGE OBSERVATIONS

Purge water: cloudy.
purge rate: ~150 ml/min

NOTES

tubing intake depth @ 18.3' (BTOC).
- decanted water level @ 0927
- containerized purge water

SIGNATURE

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: TW-4
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1235 END 1307
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [✓] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): ~2.6 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.24 FT

INITIAL DEPTH TO WATER	10.05 FT	WELL DEPTH	17.3 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	12.19 FT	SCREEN LENGTH	5 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	2.1 FT	DRAWDOWN VOLUME	0.3 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: 0.100 L/MIN
BEGIN PURGING: 1235
END PURGING: 1258
TOTAL VOL. PURGED: 1.0 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOR)	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
	1235	Pump on @ TW-4			—	—	—	—	—
10.91	1236	~0.5	7.54	0.884	2.0	3.24	12.2	120	
11.36	1238	0.5	7.44	0.877	3.1	2.74	11.9	120	
12.17	1243	0.5	7.37	0.862	3.8	2.46	11.6	120	
12.17	1248	0.5	7.35	0.854	3.4	2.22	11.5	119	
12.18	1253	0.5	7.35	0.847	4.1	1.99	11.5	119	
12.19	1258	0.5	7.35	0.845	4.2	2.04	11.5	120	
	1259	Sample time @ TW-4							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[✓] OTHER na
[ ] OTHER	[ ] OTHER	[✓] OTHER na	

PURGE OBSERVATIONS

Purge water: colorless
purge rate: 200 ml/min
→ changed flow rate to 100 ml/min @ 1237

NOTES

Tubing intake depth @ ~15' (BTOR).
- decanted water vered @ 1303
- containerized purge water

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: TW-07
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1153 END 1219
JOB NUMBER: 3031052006

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	10.60 FT	WELL DEPTH	17.5 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	11.98 FT	SCREEN LENGTH	9m.5 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	1.38 FT	DRAWDOWN VOLUME	0.221 GAL	PRODUCT THICKNESS	— FT	CASING	X — —
						LOCKED	X — —
						COLLAR	— X —

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

PURGE RATE: .25 L/MIN
BEGIN PURGING: 1157
END PURGING: 1214
TOTAL VOL. PURGED: 1.105 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)	WL Comments
1158	FC	7.52	1.09	-4.9	8.18	8.23	142	11.01 clear
1202	1	7.33	1.18	-9.1	1.22	5.82	137	11.43
1206	1	7.26	1.23	-9.4	0.96	5.60	137	11.65
1210	1	7.25	1.24	-8.2	1.13	5.46	137	11.81
1212	0.5	7.27	1.25	-7.2	1.17	5.38	137	11.90
1214	0.5	7.29	1.25	-7.6	1.23	5.27	137	11.98
1216	collect sample for VOCs							

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

★ temperature gauge reading really low

SIGNATURE: Courtney Wolff

NOTES

Geopump # 5008-26

Horiba U-22 # M015-04

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5/12/10
SITE ID: TW-09
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1016 END 1104
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] 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	11.52 FT	WELL DEPTH	17.70 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	11.74 FT	SCREEN LENGTH	5 FT	PID WELL MOUTH	— PPM		
DRAWDOWN	0.22 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})

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

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.1 L/MIN	1025	1052	0.7 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
1027	fc	7.72	0.896	3.4	6.49	5.40	272	11.65
1031	0.5	7.67	0.604	3.7	3.42	5.00	267	11.67
1036	0.5	7.57	0.614	0.4	2.77	3.70	269	11.70
1042	0.5	7.57	0.618	1.3	2.77	3.89	264	11.71
1047	0.5	7.57	0.627	2.8	2.73	3.61	262	11.72
1052	0.5	7.57	0.631	1.7	2.82	3.37	261	11.74
1055	collect sample for VOCs for TW-09							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[X] OTHER none
[ ] OTHER	[ ] OTHER	[X] OTHER none	

PURGE OBSERVATIONS

pump set low as possible
temp gauge reading really low

NOTES

intake @ ± 15' BTOC

SIGNATURE: Courtney Wolff

Geopump # 5008-26
Horiba U-22 M015-04

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: TW-17
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1120 END 1155
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 2.4 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.25 FT

INITIAL DEPTH TO WATER	8.08 FT	WELL DEPTH	17.45 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	8.73 FT	SCREEN LENGTH	5 FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	0.6 FT	DRAWDOWN VOLUME	0.1 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: 0.200 L/MIN
BEGIN PURGING: 1125
END PURGING: 1144
TOTAL VOL. PURGED: 1.1 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOC)	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
—	1125	pump on @ TW-17			—	—	—	—	—
8.72	1127	~0.5	8.05	0.757	4.4	4.67	12.3	86	
8.73	1130	~0.5	7.63	0.760	2.0	3.51	11.7	94	
8.74	1133	0.5	7.37	0.804	2.1	4.31	11.4	104	
8.76 @	1136	0.5	7.31	0.822	1.7	4.06	11.4	109	@ treatment
8.73	1139	0.5	7.25	0.845	2.1	4.01	11.9	113	
8.73	1141	0.5	7.23	0.851	1.9	3.96	11.3	115	
8.73	1144	0.5	7.22	0.853	1.9	3.94	11.1	117	
	1145	Sample @ TW-17 (3 VOAs w/ HCl)							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[x] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER n/a
[ ] OTHER	[ ] OTHER	[✓] OTHER n/a	

PURGE OBSERVATIONS

purge water: chlorinated
purge rate: .200 ml/min

NOTES

Tubing intake @ 15' (BTOC).
- measured water level @ 1152
- contained purge water

SIGNATURE:

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: TW-20
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1155 END 1230
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [✓] TOP OF WELL RISER; [ ] TOP OF PROTECTIVE CASING; [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 2-3 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.27 ~~0.32~~ FT

INITIAL DEPTH TO WATER	12.17 FT	WELL DEPTH	17.22 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	12.63 FT	SCREEN LENGTH	5 FT	PID WELL MOUTH	— PPM		
DRAWDOWN	0.46 FT	DRAWDOWN VOLUME	0.07 GAL	PRODUCT THICKNESS	— FT		

WELL INTEGRITY: GAP — YES ✓ NO — N/A —; CASING — YES ✓ NO — N/A —; 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: 0.200 L/MIN; BEGIN PURGING: 1156; END PURGING: 1215; TOTAL VOL. PURGED: 1.2 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOR)

Time.	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1156	Pump on @ TW-20.				—	—	—	—
12.42 1159	0.5	7.23	1.38	3.0	2.14	11.1	118	
12.51 1202	0.5	7.27	1.36	1.4	1.56	10.7	119	
12.56 1204	0.5	7.28	1.36	2.0	1.59	10.4	120	
12.59 1207	0.5	7.29	1.37	2.7	1.67	10.5	121	
12.61 1210	0.5	7.30	1.37	2.3	1.56	10.5	121	
12.63 1212	0.5	7.30	1.37	2.2	1.59	10.6	121	
12.63 1215	0.5	7.30	1.38	2.2	1.58	10.5	121	
12.63 1216	Sample @ TW-20.							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[✓] OTHER n/a
[ ] OTHER	[ ] OTHER	[✓] OTHER n/a	

PURGE OBSERVATIONS

purge water: color less;
purge rate: 200 ml/min.

NOTES

-tubing intake @ 15' (BTOR).

-decanned water level @ 1225.

-contained purge water

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5-12-10
SITE ID: W-5
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1145 END 1229
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [x] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0. FT

INITIAL DEPTH TO WATER	5.40 FT	WELL DEPTH	21.8 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	2 IN
FINAL DEPTH TO WATER	10.36 FT	SCREEN LENGTH	5 FT	PID WELL MOUTH	— PPM		
DRAWDOWN	5.0 FT	DRAWDOWN VOLUME	~ 0.8 GAL	PRODUCT THICKNESS	— FT		

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

WELL INTEGRITY:

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

PURGE RATE: 0.150 L/MIN
BEGIN PURGING: 1145
END PURGING: 1217
TOTAL VOL PURGED: ~1.3 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOC).

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	~~Comments~~
1145	pump on @ W-5			—	—	—	—	—
1147	0.5	7.03	1.52	22.3	0.56	11.5	30	6.21
1151	0.5	6.88	1.51	49.6	<0.01	11.4	17	7.91
1154	0.5	6.84	1.50	39.0	<0.01	11.4	10	9.07
1157	0.5	6.80	1.50	41.8	<0.01	11.4	7	10.27
1200	0.5	6.80	1.50	40.1	<0.01	11.5	5	10.51
1207	1	6.77	1.49	34.6	<0.01	11.6	7	10.41
1211	0.5	6.76	1.50	34.0	<0.01	11.5	10	10.35
1214	0.5	6.76	1.50	33.2	<0.01	11.5	11	10.36
1217	0.5	6.76	1.49	35.4	<0.01	11.5	10	10.36
1218	Collected grab sample @ W-5 (6 VOAs w/ HCl)						—	—

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[x] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[x] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[✓] OTHER n/a
[ ] OTHER	[ ] OTHER	[✓] OTHER n/a	

PURGE OBSERVATIONS

purge water: cloudy.

purge rate = 150 ml/min

collected duplicate sample here

NOTES

tubing intake depth @ ~19' (BTOC).

- drawdown water level @ 1225.

- contaminated purge water

SIGNATURE:

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5-11-10

SITE ID: BR-01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1050 END 1120

JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): 2.3 FT

PROTECTIVE CASING / WELL DIFFERENCE: na FT

INITIAL DEPTH TO WATER: 12.82 FT

WELL DEPTH: 38.1 FT

PID AMBIENT AIR: — PPM

WELL DIAMETER: ~4 IN

FINAL DEPTH TO WATER: 13.30 FT

SCREEN LENGTH: na FT

PID WELL MOUTH: — PPM

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

DRAWDOWN: 0.5 FT

DRAWDOWN VOLUME: 0.3 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: 0.200 L/MIN

BEGIN PURGING: 1054

END PURGING: 1110

TOTAL VOL. PURGED: ~0.8 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOC)	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
12.82	1054	pump on @ BR-01			—	—	—	—	
12.99	1056	~0.5	9.14	0.350	54.9	1.08	17.5	12	
13.14	1058	0.4	9.20	0.328	13.6	0.13	13.8	0	
13.25	1100	0.4	9.23	0.328	8.9	<0.01	13.5	-7	
13.29	1102	0.2	9.23	0.329	3.4	<0.01	12.9	-15	
13.29	1104	0.2	9.23	0.333	8.6	<0.01	12.4	-18	
13.29	1106	0.2	9.23	0.333	6.9	<0.01	12.1	-22	
13.30	1108	0.2	9.24	0.333	5.4	<0.01	12.0	-25	
13.30	1110	0.2	9.25	0.333	5.8	<0.01	11.9	-27	
	1111	Sample @ BR-01 (3 VOAs - (HCl))							

AS

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 na

TYPE OF BLADDER MATERIAL (if applicable): ☐ TEFLON ☑ OTHER na.

PURGE OBSERVATIONS

purge water: colorless.

purge rate = 200 ml/min

@ 1100 change flow rate to 100 ml/m

NOTES

Tubing intake @ ~17' (BTOC).

-deconned water level @ 1115.

-containerized purge water

Horiba (M01505)

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: BR-02
SITE TYPE: Monitor Well.
SITE ACTIVITY: START 1056 END 1150
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.5 FT

INITIAL DEPTH TO WATER	22.35 FT	WELL DEPTH	42.75 FT	PID AMBIENT AIR	— PPM
FINAL DEPTH TO WATER	22.71 FT	SCREEN LENGTH	NA FT	PID WELL MOUTH	— PPM
DRAWDOWN	0.36 FT	DRAWDOWN VOLUME	[illegible] GAL	PRODUCT THICKNESS	— FT

WELL DIAMETER: 4 IN

WELL INTEGRITY:

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

((initial - final) x 0.16 {2-inch} or x 0.65 {4-inch} or x 1.5 {6-inch}) 0.234 gal

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
.122 L/MIN	1104	1141	1.17 GAL

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	WL ~~Comments~~
1107	FC	8.04	0.912	203.0	3.21	11.53	-26	22.45
1113	1	8.04	1.02	123.0	1.53	8.48	-43	22.54
1121	1	8.09	0.999	101.0	1.50	8.01	-47	22.62
1125	0.5	8.08	0.999	96.0	1.34	7.81	-43	22.66
1132	0.5	8.02	0.999	90.1	1.10	7.33	-42	22.67
1136	0.5	8.02	0.999	87.6	1.17	7.25	-41	22.69
1141	0.5	8.01	0.999	88.2	1.13	7.31	-41	22.71
1145	collect	sample	for	VOCs				

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

initial slug - brownish - red
* Temperature gauge reading low

NOTES

intake @ ± 25' BTOC

SIGNATURE: [signature]

Geopump # 5008-26
Horiba-U-22 # M015-04

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: BR-03
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1234 END 1309
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 2.9 FT
PROTECTIVE CASING / WELL DIFFERENCE: — FT

INITIAL DEPTH TO WATER	10.50 FT	WELL DEPTH	40.1 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	11.90 FT	SCREEN LENGTH	— FT	PID WELL MOUTH	— PPM		
DRAWDOWN	1.4 FT	DRAWDOWN VOLUME	0.91 GAL	PRODUCT THICKNESS	— FT		

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

WELL INTEGRITY:

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

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
.25 L/MIN	1238	1259	1.37 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)	WL Comments
1239	FC	8.39	0.807	115.0	5.37	11.58	-204	10.76
1244	1	8.52	0.97	39.5	6.63	6.26	-221	11.15
1247	1	8.52	0.97	39.1	6.34	6.02	-219	11.37
1251	1	8.52	0.97	38.9	4.33	5.82	-214	11.60
1253	0.5	8.52	0.98	41.6	4.13	5.74	-215	
1255	0.5	8.53	0.98	40.1	4.01	5.62	-216	
1259	0.5	8.54	0.98	42.3	3.81	5.51	-219	11.90
1302	collect	samples	for VOCs					

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

initial slug - not colored
- small flakes (reddish) in sample
* temp. gauge reading really low

NOTES intake ± 12.5' BTOC

SIGNATURE:

Geopump #5008-26
Horiba U-22 MOS-04

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments; 2010 1st Semi-Annual Sampling Event
DATE: 5/12-10
SITE ID: BR-04
SITE TYPE: Monitor Well
SITE ACTIVITY: START 0930 END 1035
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☑ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.25 FT

INITIAL DEPTH TO WATER	18.77 FT	WELL DEPTH	44.2 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	18.82 FT	SCREEN LENGTH	NA FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	0.05 FT	DRAWDOWN VOLUME	~0.01 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: 0.250 L/MIN
BEGIN PURGING: 0941
END PURGING: 1022
TOTAL VOL. PURGED: ~2.8 GAL
(purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA Total

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	DTW (BTOC) Comments
0941	Pump in BR-04.							
0946	1	8.16	0.398	21.6	1.49	12.6	100	18.81
0950	2	8.41	0.395	20.8	0.67	12.6	86	18.82
0955	3	8.53	0.394	15.1	0.41	12.6	68	18.82
0959	4	8.58	0.394	11.0	0.35	12.6	51	18.82
1004	5	8.61	0.395	13.1	0.21	12.6	27	18.82
1009	6	8.63	0.396	11.3	0.27	12.6	-14	18.83
1013	7	8.64	0.396	10.3	0.21	12.6	-22	18.82
1016	7.5	8.64	0.396	10.1	0.23	12.6	-36	18.83
1019	8	8.64	0.396	11.3	0.25	12.7	-39	18.82
1022	8.5	8.64	0.396	11.1	0.19	12.7	-43	18.82
1023	Collected gw sample @ BR-04 (3 VOAs w/ HCl)							

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 NA
☐ OTHER	☐ OTHER	☑ OTHER NA	

PURGE OBSERVATIONS

purge water: cloudy.

purge rate: 250 ml/min

NOTES

tubing intake depth @ 21.5' (BTOC).

- locking cap broken
- decanned water level @ 1029
- contaminated purge water

SIGNATURE:

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5-12-10
SITE ID: BR-05
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1040 END 1135
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: ☐ TOP OF WELL RISER ☑ TOP OF PROTECTIVE CASING ☐ OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): 0.6 FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.31 FT

INITIAL DEPTH TO WATER	18.61 FT	WELL DEPTH	58.15 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	18.70 FT	SCREEN LENGTH	na FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO ✓ N/A
DRAWDOWN	0.1 FT	DRAWDOWN VOLUME	0.07 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: 0.200 L/MIN
BEGIN PURGING: 1042
END PURGING: 1118
TOTAL VOL. PURGED: ~1.9 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)	DTW (BTOC). Comments
1042	Pump on GW BR-05			—	—	—	—	—
1047	1	8.59	0.345	170	1.31	13.4	-41	18.70
1052	1	8.56	0.343	111	0.55	13.4	-87	18.72
1057	1	8.53	0.343	56.1	0.71	13.3	-129	18.69
1102	1	8.53	0.343	35.2	0.51	13.4	-142	18.69
1107	1	8.53	0.343	30.2	0.42	13.3	-152	18.71
1112	1	8.53	0.342	32.0	0.45	13.4	-159	18.70
1115	0.5	8.53	0.342	28.9	0.48	13.4	-161	18.69
1118	0.5	8.53	0.342	29.6	0.43	13.4	-162	
1119	Collected GW Sample @ BR-05 (9 VOAs w/ HCl)						—	—

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 na
☐ OTHER	☐ OTHER	☑ OTHER Na	

PURGE OBSERVATIONS

purge water: clarity, lt brownish/orange
purge rate: 200 ml/min
- collected MS/MSD here

NOTES

tubing intake depth: 22' (BTOC).
- decanted water level @ 1129
- contaminated purge water
- drip bottom on one side

SIGNATURE

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5/11/10

SITE ID: BR-06

SITE TYPE: Monitor Well

SITE ACTIVITY: START 0956 END

JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [X] TOP OF WELL RISER [ ] TOP OF PROTECTIVE CASING [ ] OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 2.15 FT

PROTECTIVE CASING / WELL DIFFERENCE: — FT

INITIAL DEPTH TO WATER: 12.35 FT

WELL DEPTH: 42.6 FT

PID AMBIENT AIR: — PPM

WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 14.20 FT

SCREEN LENGTH: NA FT

PID WELL MOUTH: — PPM

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

DRAWDOWN: 1.85 FT

DRAWDOWN VOLUME: [illegible] GAL @ 1.2 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: .226 L/MIN

BEGIN PURGING: 1011

END PURGING: 1042

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) ±0.1	SpC (cond) (mS/cm) ±3%	TURBIDITY (NTU) ±10%	DISSOLVED O_2 (mg/L) ±10%	TEMPERATURE (°C) ±10%	REDOX POTENTIAL (mV) ±10	WL Comments
1012	Ec	8.03	0.835	320.0	4.10	15.72	-167	12.84
1016	1.5	8.20	0.860	153.0	0.63	12.80	-208	13.25
1020	1.5	8.29	0.913	105.0	0.02	10.88	-215	13.71 clear
1026	1.5	8.51	0.938	84.3	3.33	9.54	-216	13.92
1030	0.5	8.81	0.950	92.1	3.36	8.87	-212	13.98
1034	0.5	8.82	0.961	82.5	3.37	8.35	-215	14.06
1038	0.5	8.82	0.972	79.1	3.34	7.95	-215	14.12
1042	0.5	8.82	0.978	77.4	3.30	7.68	-221	14.20
1045	collect	sample	for VOCs					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: [X] PERISTALTIC [ ] SUBMERSIBLE [ ] OTHER

TYPE OF TUBING: [ ] TEFLON OR TEFLON LINED [X] HIGH DENSITY POLYETHYLENE [ ] OTHER

TYPE OF PUMP MATERIAL: [ ] POLYVINYL CHLORIDE [ ] STAINLESS STEEL [ ] OTHER

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

PURGE OBSERVATIONS

initial slug rusty colored!
temp gauge reading really low

NOTES

intake @ ±15'

Geopump # 5008-26
Horiba U-22 mo 15-04

SIGNATURE: [signature]

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event | DATE: 5-11-10.

SITE ID: BR-07 | SITE TYPE: Monitor Well

SITE ACTIVITY: START 1000 END 1045 | JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [x] TOP OF PROTECTIVE CASING [ ] OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): ~2.3 FT | PROTECTIVE CASING / WELL DIFFERENCE: NA FT

INITIAL DEPTH TO WATER: 23.03 FT | WELL DEPTH: 53.3 FT | PID AMBIENT AIR: — PPM | WELL DIAMETER: 4 IN

FINAL DEPTH TO WATER: 23.02 FT | SCREEN LENGTH: NA FT | PID WELL MOUTH: — PPM

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

DRAWDOWN: — FT | DRAWDOWN VOLUME: — GAL | PRODUCT THICKNESS: unk. 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: 1004 | END PURGING: 1032 | TOTAL VOL. PURGED: ~1.1 GAL

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

PURGE DATA

DTW (BTOC)	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
	1004	Pump on @ BR-07			—	—	—	—	
23.03	1010	0.5	7.46	2.58	260.	3.20	15.6	-190.	
23.03	10.12	0.5	7.83	2.63	239	2.53	17.2	-219	
23.03	1014	0.5	7.91	2.62	231	2.65	17.2	-223	
23.03	1016	0.5	8.01	2.60	236	2.60	17.7	-225	
23.12 (*)	1018	0.5	8.06	2.61	222	2.07	17.4	-226	(*) train went by.
23.05	1020	0.5	8.08	2.66	199	1.90	16.3	-228	
23.03	1022	0.5	8.11	2.68	190	1.71	16.1	-227	
23.03	10.24	0.5	8.14	2.71	116	1.60	15.9	-229	
23.03	1026	0.5	8.15	2.72	113	1.53	15.6	-229	
23.03	1028	0.5	8.16.	2.76	111	1.40	14.9	-232	
23.03	1030	0.5	8.17	2.79	109	1.37	14.7	-232	
23.03	1032	0.5	8.18	2.80	106	1.39	14.5	-232	
	1033	Collect gw sample @ BR-07 (3 VOAs w/ HCl.)						—	—

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: [x] PERISTALTIC [ ] SUBMERSIBLE [ ] OTHER

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

TYPE OF PUMP MATERIAL: [ ] POLYVINYL CHLORIDE [ ] STAINLESS STEEL [✓] OTHER NA

TYPE OF BLADDER MATERIAL (if applicable): [ ] TEFLON [✓] OTHER na

PURGE OBSERVATIONS

purge water: cloudy, Lt Brown, silty.
purge rate ~250ml/min
Tubing intake depth @ ~27' (BTOC).

NOTES

collecting turbidity readings from u-22.

- downwell water level @ 1040 w/ PID + Ignmax
- containerized purge water

Horiba (U015-05).

SIGNATURE: [signature]

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: BR-08
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1320 END 1435
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [X] TOP OF PROTECTIVE CASING [ ] OTHER ____

PROTECTIVE CASING STICKUP (FROM GROUND)	— FT	PROTECTIVE CASING / WELL DIFFERENCE	0.33 FT				
INITIAL DEPTH TO WATER	18.92 FT	WELL DEPTH	74.55 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	4 IN
FINAL DEPTH TO WATER	21.04 FT	SCREEN LENGTH	NA FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES ✓ NO — N/A —
DRAWDOWN	2.12 FT	DRAWDOWN VOLUME	1.38 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: .125 L/MIN | BEGIN PURGING: 1332 | END PURGING: 1426 | TOTAL VOL. PURGED: 1.76 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
1334	fc	9.90	0.809	130.0	1.79	17.11	52	19.22
1338	1	10.22	0.776	90.6	0.87	7.59	27	19.54
1346	1	10.22	0.787	73.4	1.14	7.26	-3	19.92
1350	0.5	10.16	0.801	65.8	1.00	6.94	1	20.05
1359	1	10.16	0.809	46.3	0.89	6.42	-6	20.37
1407	0.5	10.18	0.813	28.6	0.83	6.57	-8	20.65
1411	0.5	10.16	0.814	28.0	0.89	6.51	-11	20.78
1416	0.5	10.16	0.818	26.1	0.67	6.64 (DUP)	-12	
1421	0.5	10.15	0.821	24.9	0.63	6.39	-10	21.05 GW
1426	0.5	10.16	0.823	25.7	0.61	6.33	-11	21.[illegible] 04
1429	sample for VOC							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER ____
[ ] OTHER ____	[ ] OTHER ____	[ ] OTHER ____	

PURGE OBSERVATIONS

intake ± 21' BTOC
☆ temp gauge reading really low

SIGNATURE: [signature]

NOTES

Geopump 5008-26
Horiba U-22 M015-04

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: BR-09
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1540 END
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [X] TOP OF PROTECTIVE CASING [ ] OTHER
PROTECTIVE CASING STICKUP (FROM GROUND): — FT
PROTECTIVE CASING / WELL DIFFERENCE: 0.25 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	18.45 FT	SCREEN LENGTH	NA FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP	YES X NO — N/A —
DRAWDOWN	0.05 FT	DRAWDOWN VOLUME	0.075 GAL	PRODUCT THICKNESS	— FT	CASING	YES X NO — N/A —
						LOCKED	YES — NO X N/A —
						COLLAR	YES — NO X N/A —

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

PURGE RATE: 166.7 L/MIN
BEGIN PURGING: 1548
END PURGING: 1627
TOTAL VOL. PURGED: 1.69 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)	WL Comments
1550	Fc	8.99	0.518	242.0	4.10	9.29	93	18.45
1602	2	9.08	0.570	92.1	0.08	5.88	52	18.45
1615	2	9.10	0.577	67.1	0.0	5.41	16	18.45
1621	1	9.11	0.586	68.6	0.0	4.95	1	18.45
1624	0.5	9.12	0.590	64.0	0.0	4.76	~~-2~~ -3	18.45
1627	0.5	9.12	0.593	61.0	0.0	4.59	-7	18.45
1630	collect	samples for VOCs						

EQUIPMENT DOCUMENTATION

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

PURGE OBSERVATIONS

intake ± 20.5' BTOC
* temp gauge reading low

NOTES

initial slug brown

SIGNATURE:

Geopump 5008-26
Horiba U-22 M015-04

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5/11/10
SITE ID: BR-10
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1444 END 1535
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [X] TOP OF PROTECTIVE CASING [ ] OTHER ____

PROTECTIVE CASING STICKUP (FROM GROUND)	— FT	PROTECTIVE CASING / WELL DIFFERENCE	0.33 FT				
INITIAL DEPTH TO WATER	18.01 FT	WELL DEPTH	47.0 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	6" IN
FINAL DEPTH TO WATER	18.02 FT	SCREEN LENGTH	NA FT	PID WELL MOUTH	— PPM	WELL INTEGRITY: CAP / CASING / LOCKED / COLLAR	YES: ✓ / ✓ / ✓ / —; NO: — / — / — / X; N/A: — / — / — / —
DRAWDOWN	0.01 FT	DRAWDOWN VOLUME	0.015 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	BEGIN PURGING	END PURGING	TOTAL VOL. PURGED
0.2 L/MIN	1453	1525	1.664 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)	WL ~~Comments~~
1455	1c	8.60	0.679	272.0	5.12	7.79	-104	18.02
1500	1	8.52	0.694	130.0	2.21	6.33	-132	18.01
1510	2	8.53	0.699	35.1	4.03	5.84	-110	18.01
1515	1	8.53	0.702	33.4	4.45	5.71	-106	18.02
1520	1	8.53	0.705	32.9	4.20	5.57	-108	18.02
1525	1	8.52	0.706	34.9	3.85	5.46	-106	18.02
1529	collect	VOC	samples					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER ____
[ ] OTHER ____	[ ] OTHER ____	[ ] OTHER ____	

PURGE OBSERVATIONS

intake ± 20' BTOC
initial slug brownish-orange
& temp. gauge reading low

NOTES

Geopump 5008-26
Horiba U-22 M015-04

SIGNATURE: Carolyn Wilk

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event

DATE: 5-11-10

SITE ID: BR-11

SITE TYPE: Monitor Well

SITE ACTIVITY START 1615 END 1705

JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT

PROTECTIVE CASING / WELL DIFFERENCE: 0.37 FT

INITIAL DEPTH TO WATER: 18.32 FT

WELL DEPTH: 52.0 FT

PID AMBIENT AIR: — PPM

WELL DIAMETER: 6 IN

FINAL DEPTH TO WATER: 18.32 FT

SCREEN LENGTH: — FT

PID WELL MOUTH: — PPM

DRAWDOWN: — FT

DRAWDOWN VOLUME: — GAL

PRODUCT THICKNESS: — FT

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

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

PURGE RATE: 0.250 L/MIN

BEGIN PURGING: 1620.

END PURGING: 1644.

TOTAL VOL. PURGED: 1.7 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)	DTW (BTOC) ~~Comments~~
1620	Pump on @ BR-11			—	—	—	—	—
1622	0.5	7.98	0.711	82.2	2.08	13.3	-152	18.32
1624	0.5	8.16	0.712	92.1	1.37	13.2	-160	18.32
1626	0.5	8.25	0.712	100.0	1.18	13.2	-176	18.31
1628	0.5	8.29	0.713	98.9	0.50	13.2	-193	18.32
1630	0.5	8.34	0.719	75.2	0.04	13.1	-195	18.32
1632	0.5	8.37	0.713	75.4	<0.01	13.1	-198	18.32
1634	0.5	8.39	0.713	68.9	<0.01	13.1	-195	18.32
1636	0.5	8.40	0.714	59.4	<0.01	13.1	-197	18.32
1638	0.5	8.40	0.713	43.1	<0.01	13.2	-198	18.32
1640	0.5	8.40	0.714	38.2	<0.01	13.1	-199	18.32
1642	0.5	8.41	0.714	39.8	<0.01	13.1	-201	—
1644	0.5	8.41	0.714	40.2	<0.01	13.1	-201	—
1645	Collected Sample @ BR-11 (6 TTASW/HCl)							

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 na
☐ OTHER	☐ OTHER	☑ OTHER na	

PURGE OBSERVATIONS

purge water: cloudy, silty

purge rate: 250 ml/min

collected duplicate here also

NOTES

Tubing intake depth @ ~21.5' (BTOC).

- drummed water here @ 1655

- containerized purge water

SIGNATURE: [signature]

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments, 2010 1st Semi-Annual Sampling Event
DATE: 5/12/10
SITE ID: BR-15
SITE TYPE: Monitor Well
SITE ACTIVITY: START 0838 END 0930
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [X] TOP OF PROTECTIVE CASING [ ] OTHER ____

INITIAL DEPTH TO WATER	16.72 FT	WELL DEPTH	72.0 FT	PROTECTIVE CASING STICKUP (FROM GROUND)	— FT	PROTECTIVE CASING / WELL DIFFERENCE	0.25 FT
FINAL DEPTH TO WATER	17.24 FT	SCREEN LENGTH	NA FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	6 IN
DRAWDOWN	0.52 FT	DRAWDOWN VOLUME	0.78 GAL	PID WELL MOUTH	— PPM		
				PRODUCT THICKNESS	— FT		

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

WELL INTEGRITY:

	YES	NO	N/A
CAP	✓	—	—
CASING	✓	—	—
LOCKED	✓	—	—
COLLAR	—	✓	—

PURGE RATE	BEGIN PURGING	END PURGING	TOTAL VOL PURGED
~.10 L/MIN	0849	1917	0.73 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
0851	fc	8.00	0.299	33.4	7.08	14.36	136	16.79
0859	1L	11.55	0.381	8.1	6.55	7.17	101	16.97
0903	0.5	11.60	0.391	1.0	6.31	6.41	94	17.04
0908	0.5	11.61	0.395	1.7	6.05	6.00	87	17.10
0912	0.5	11.61	0.399	0.4	5.97	5.68	83	17.16
0917	0.5	11.62	0.403	5.9	6.11	5.33	80	17.24
0921	collect	3 VOAs	for VOCs					

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[X] OTHER none
[ ] OTHER ____	[ ] OTHER ____	[X] OTHER none	

PURGE OBSERVATIONS

intake @ ± 19' BTOC
temp. gauge reading really low

NOTES

Geopump # 5008-26
Horiba U-22 M015-04

SIGNATURE: Courtney Wolf

GW_Sample_Form

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event
DATE: 5-11-10
SITE ID: BR-17
SITE TYPE: Monitor Well
SITE ACTIVITY: START 1336 END 1430
JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: [ ] TOP OF WELL RISER [✓] TOP OF PROTECTIVE CASING [ ] OTHER ____

PROTECTIVE CASING STICKUP (FROM GROUND)	0.0 FT	PROTECTIVE CASING / WELL DIFFERENCE	0.45 FT		
INITIAL DEPTH TO WATER	18.91 FT	WELL DEPTH	62.2 FT	PID AMBIENT AIR	— PPM	WELL DIAMETER	6 IN
FINAL DEPTH TO WATER	18.91 FT	SCREEN LENGTH	nm FT	PID WELL MOUTH	— PPM		
DRAWDOWN	— FT	DRAWDOWN VOLUME	— GAL	PRODUCT THICKNESS	— FT		

WELL INTEGRITY:

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

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

PURGE RATE: 0.200 L/MIN
BEGIN PURGING: 1341
END PURGING: 1415
TOTAL VOL. PURGED: 1.9 GAL (purge rate (L/min) x duration (min) x 0.26 gal/L)

PURGE DATA

DTW (BTOC)	Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
—	1341	pump on @ BR-17			—	—	—	—	—
18.91	1345	~0.5	7.46	1.33	42.5	8.57	13.9	-124	
18.91	1348	0.5	7.50	1.34	66.2	8.26	13.7	-120	
18.91	1350	0.5	7.50	1.32	40.4	8.27	13.6	-120	
18.91	1353	0.5	7.51	1.32	30.1	7.34	13.6	-125	
18.91	1355	0.5	7.51	1.33	27.1	5.97	13.5	-131	
18.91	1358	0.5	7.52	1.32	30.9	4.65	13.5	-136	
18.91	1400	0.5	7.52	1.33	29.0	4.41	13.5	-138	
18.91	1403	0.5	7.52	1.33	29.4	4.19	13.4	-139	
18.91	1405	0.5	7.52	1.34	29.9	3.46	13.4	-140	
18.91	1408	0.5	7.53	1.33	31.4	3.03	13.4	-140	
18.91	1410	0.5	7.53	1.33	30.4	2.89	13.4	-141	
18.91	1413	0.5	7.53	1.33	31.5	2.76	13.4	-141	
18.91	1415	0.5	7.53	1.33	30.1	2.71	13.4	-142	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL (if applicable)
[X] PERISTALTIC	[ ] TEFLON OR TEFLON LINED	[ ] POLYVINYL CHLORIDE	[ ] TEFLON
[ ] SUBMERSIBLE	[X] HIGH DENSITY POLYETHYLENE	[ ] STAINLESS STEEL	[ ] OTHER na
[ ] OTHER ____	[ ] OTHER ____	[✓] OTHER nm	

PURGE OBSERVATIONS

purge water: cloudy.
purge rate: 200 ml/min.
Sample time @ BR-17 @ 1416

NOTES

tubing intake depth ~ 22' (BTOC).
- decanned water vessel @ 1425.
- contained purge water.

SIGNATURE: _____

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5/12/10

SITE ID: QAFB01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1318 END 1322

JOB NUMBER: 3031052006

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
1319	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

SIGNATURE: _____

NOTES

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5/12/10

SITE ID: QARB-01

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1323 END 1328

JOB NUMBER: 3031052006

WATER LEVEL / PUMP SETTINGS

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

PROTECTIVE CASING STICKUP (FROM GROUND): ____ FT

PROTECTIVE CASING / WELL DIFFERENCE: ____ FT

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

WELL INTEGRITY:

	YES	NO	N/A
CAP			
CASING			
LOCKED			
COLLAR			

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

PURGE RATE: ____ L/MIN

BEGIN PURGING: ____

END PURGING: ____

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

PURGE DATA

Time	VOLUME PURGED (L)	pH (units)	SpC (cond) (mS/cm)	TURBIDITY (NTU)	DISSOLVED O_2 (mg/L)	TEMPERATURE (°C)	REDOX POTENTIAL (mV)	Comments
1326	Collect	QARB-01	for	VOCs				

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

off rebar

NOTES

SIGNATURE: Courtney Wolf

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments 2010 1st Semi-Annual Sampling Event

DATE: 5/12/10

SITE ID: QARB-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1329 END 1336

JOB NUMBER: 3031052006

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
1334	collect	sample	for	VOCs				

EQUIPMENT DOCUMENTATION

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

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

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

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

PURGE OBSERVATIONS

from tubing

NOTES

SIGNATURE: Courtney Wolf

Mactec Engineering and Consulting

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: Former Taylor Instruments; 2010 1st Semi-Annual Sampling Event

DATE: 5/12/10

SITE ID: QAFB-02

SITE TYPE: Monitor Well

SITE ACTIVITY: START 1350 END 1400

JOB NUMBER: 3031052006

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
1355	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

Collected field blank from DI spray bottle

NOTES

SIGNATURE: _____

GW_Sample_Form

APPENDIX H

WELL CONSTRUCTION INFORMATION

Appendix H
Well Construction Information

2010 Annual Progress Report
and Remedial Progress Evaluation
Former Taylor Instruments Site
Rochester, New York

						Screen Interval		Survey Coordinates			Well Material	Completion		
Well ID	Date Installed	Well Purpose/Type	Well Location	Boring Depth	Well Depth	Top	Bottom	Easting	Northing	Elevation	Riser/Screen	Flush-mount	Vault	Stick-up
BR-01	09/02/97	Monitor	Perimeter	42.2	42.2	NA	NA	750364.06	1150086.89	531.92	Stainless / Open	X		
BR-02	09/02/97	Monitor	Perimeter	44.0	44.0	NA	NA	750541.81	1149964.51	532.39	Stainless / Open	X		
BR-03	09/02/97	Monitor	Perimeter	40.1	40.1	NA	NA	750552.93	1149641.68	536.32	Stainless / Open			X
BR-04	09/03/97	Monitor	South Source	44.2	44.2	NA	NA	750322.96	1149422.13	532.68	Stainless / Open	X		
BR-10	07/28/00	Monitor	South Source	47.0	47.0	NA	NA	750426.90	1149411.76	532.29	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		
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-06	07/19/00	Monitor	South Source	17.0	17.0	6.8	16.8	750421.89	1149461.50	532.60	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		
TW-04	03/15/96	Monitor	Perimeter	17.5	17.3	12.3	17.3	750552.18	1149648.54	536.34	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-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
W-5	09/15/82	Monitor	Perimeter	24.0	20.5	15.5	20.5	750248.88	1150056.27	531.52	PVC	X		

Prepared by/Date: KJD 12/15/10
Checked by/Date: CRW 1/18/11