UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:
LU-9J

Via Certified Mail No. 7009 1680 0000 7671 1128 and Electronic copy

December 18, 2012

Mr. Gerald Ruopp
Techalloy Company, Inc
6509 Olson Road
Union, Illinois 60180

Re: 2012 RCRA Corrective Measures Implementation Field Investigation Report and Autumnwood ESH Consultants November 20, 2012 Letter
Central Wire, Site Techalloy Company,
EPA ID # ILD 005 178 975
Administrative Order on Consent (AOC)
Docket No. R8H-5-99-008

Dear Mr. Ruopp,

This letter is in reference to Central Wire's (CW) 2012 RCRA Corrective Measures Implementation Field Investigation Report submitted to the United States Environmental Protection Agency (EPA) dated November 2012, Autumnwood ESH Consultants November 20, 2012 letter, and October Monthly Report. EPA comments on the report are attached. Please respond within 45 days.

Should you have any questions, regarding this letter, need any additional information, or wish to discuss this matter further, please contact me at (312) 353-1243 or contact me by e-mail to nordine.john@epa.gov.

Sincerely,

John Nordine

John Nordine, CPG, LPG
Project Manager
Corrective Action Section 2

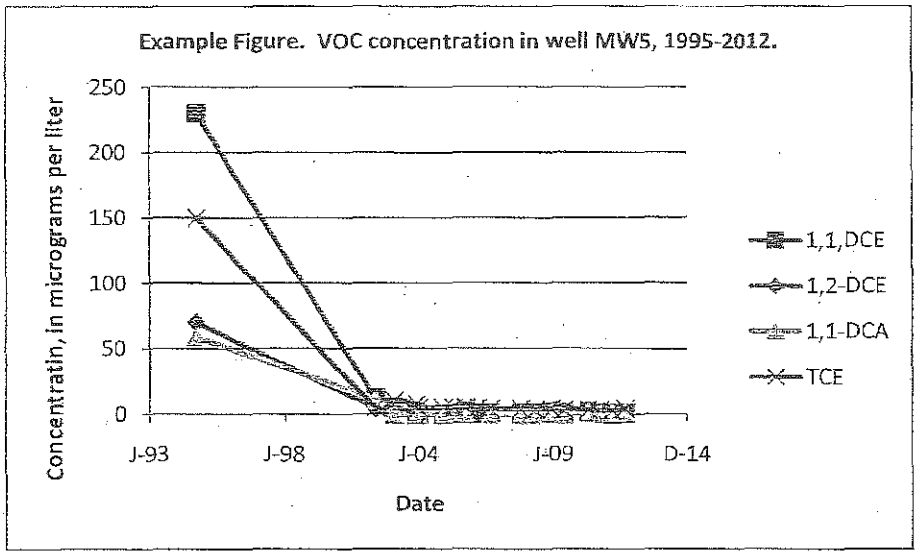
Cc: Karen Peaceman, U.S. EPA

Attachment: EPA Comments on 2012 RCRA Corrective Measures Implementation Field Investigation Report, Autumnwood ESH Consultants November 20, 2012 letter, and October Monthly Report.

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

United States Environmental Protection Agency Comments

1. Plots or charts of volatile organic compounds (VOCs) showing trends in concentration through time at each of the wells where there have been maximum contaminate levels (MCL) exceedances have not been adequately provided for the monitoring wells and the influent for the pump-and-treat wells. As noted in comments below, there are some poorly constructed tables that can be used to decipher trends in VOC concentrations through time at the monitoring wells and a table of the average concentration of some VOCs in the treatment influent. These presentations are inadequate. These plots need to be adequately explained. Suggest the file be deleted and starts over from scratch and see November 13, 2011 e-mail to Autumnwood ESH Consultants. Below is an example of the plots should look like.



2. Historical water-quality data from all of the geoprobe locations has not been provided.

4. Figure showing the water-table configuration throughout the plume area has not been provided (Piezometric surface map).

5. As noted below, proper plots of water levels through time at the DGW2 cluster, with separate plots of water levels during periods of pumping at the Sod Farm wells. Central Wire (CW) appears to have taken a stab at this presentation based on the file name, but what's provided is not adequately explained.

6. Trends in Groundwater Treatment Plant Influent Concentration 2007-2012: This file contains one (apparently the average) concentration for PCE, TCE, and TCA per year. It's my understanding samples were collected more than once per year from each well, so CW should present the results from each well for each sampling round, not the average value for both wells over the year. If samples actually were collected just once per year, the reporting period is adequate. If samples were collected from water that's a combination of the 2 extraction wells, reporting the concentration for the combination water is adequate, providing every sample is presented. CW also presented data only for tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trachloroethane (TCA). Provide all sampling results, not just PCE, TCE, and TCA, Provide

the samples results for chlorinated ethenes and ethanes at a minimum. Were there no VC, DCE, or DCA detections in these samples? Were no analyses performed for compounds other than VOCs? If there were other detections, they should be presented. If there were not, CW should note there were no hits for these compounds.

7. Are samples collected from each well or at a point that's a combination of water from the two wells? If the influent water is a combination, it would be useful to collect samples from each well on an annual basis to see what's happening with the plume at each well.

8. Table1 Semi-annual RCRA sampling; Table1 VOC D6-12....: The tables presenting the RCRA semi-annual sampling and the RCRA and Residential well sampling appear to present only parts of the data when taken separately, and appear to present a mishmash of data for the wells covering partly overlapping, and partly different time periods when they're combined. This presentation of the data is confused and complicates data analysis. CW should put all the data for a given well together in one file rather than presenting them in multiple files.

9. Additionally, the breaks on the sheets of Table 1 semi-annual RCRA sampling, break up data from a given well onto multiple sheets, making the data hard to decipher--particularly what well some of the data came from. Provide the data of each well as a separate table.

10. Plots of GP sites exceeding MCLs: these plots tend to indicate increased concentrations of certain VOCs in 2012, and to some degree overall, in GP8S and the deeper parts of the aquifer at GP3.

October-2012 Monthly Report: EPA has a couple new comments based on the rest of the information received in this submission. First, MCL exceedances at the GP3 and GP8 locations rate mention.

1. Figure with data: VOCs have been detected downgradient of the line for the "Plume Extents", which by my definition of a plume extent (basically extent of detection) makes the line incorrect. Suggest changing "Plume Extents" to "Extent of MCL Exceedences", or something similar.

a. Provide a figure showing the wells mentioned in this report--especially the various residential wells and the Sod Farm wells.
b. p. 2. Change to "The objectives of the 2012 field investigation were to:"
c. p. 3, 2nd bullet. it's 20 minutes, not 20 seconds.
d. p. 3, last paragraph EPA suggests text be altered to "No chemicals of concern were detected above the MCLs at GP-18 or GP-22, see Table 1."
e. General comment, can we avoid redundant text? There are at least 2 mentions of the 24-hour turnaround at GP-18 and -22. Suggest deleting it from page 3 and just presenting it here.
f. p. 4. Just say the toluene and acetone detections are likely field or lab contamination (even if not detected in the blanks) and are not part of the CW plume. Giving this detection undue credence could risk in the mis-identification of the plume boundaries.
g. TCA at GP-03-57 was 210 ppb, not 201.
h. Note the detection of 37 ppb of TCA at GP-08-27
i. Where is Figure 1? or Figure 2? The figure could be either figure (somewhat more likely to be

Figure 2), particularly when it doesn't have a caption.

j. The report cites Tables 1 and 6. Where are tables 2-5?

3. Table 1. Add the MCL for vinyl chloride. Why are there 2 rows for acetone?

4. Tables 1-5. The point of EPA's request to compile all the geoprobe (and other) data was to get all this data together in ONE table to allow trends to be determined, not to present it in 5 separate tables.

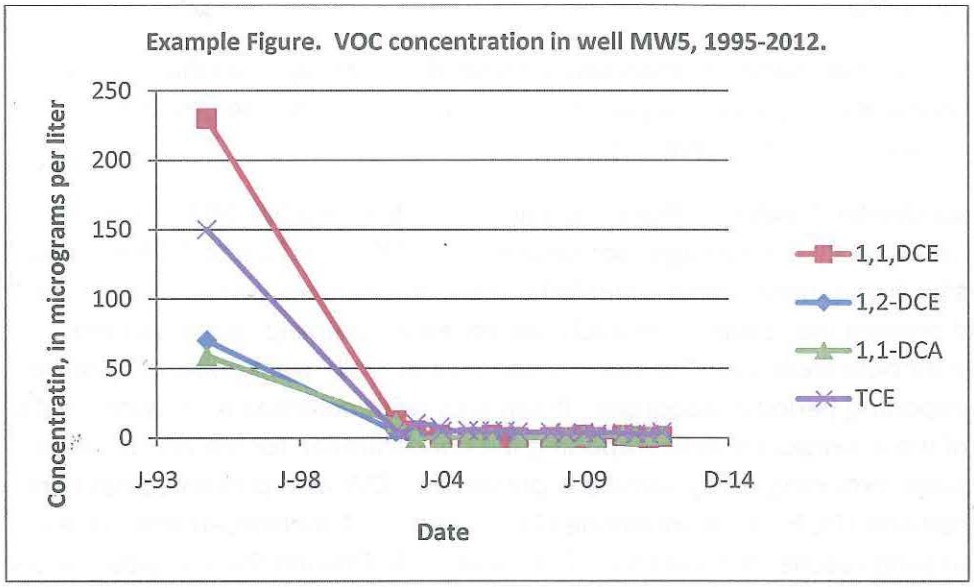
5. Field data file. It is interesting to note that many of the samples with concentrations of VOCs other than toluene had elevated dissolved oxygen--especially in the shallow part of the aquifer at the leading edge of the plume. Check value for last pH reading at GP-16-57

6. Groundwater-pumping-precipitation correlation. Per comments on an earlier submission these figures, as presented, make absolutely no sense. CW needs to plot the secondary axis as pumping period (or precipitation) and label it, even if the secondary (amount of pumping or precipitation) axis was provided these figures are still inadequate to assessing the impact of pumping on water levels or precipitation. The figures should be deleted, and CW should provide the plots we asked them for. The plots CW does generate should be referenced in the report.

7. Provide a discussion on; where is the plume in terms of shallow, mid, or deep parts of the aquifer? or is it more or less everywhere? is the plume expanding? contracting? stable (within limits)? what is impacting the expansion/construction/stability?

United States Environmental Protection Agency Comments and Central Wire Response
January 7, 2013

1. Plots or charts of volatile organic compounds (VOCs) showing trends in concentration through time at each of the wells where there have been maximum contaminate levels (MCL) exceedances have not been adequately provided for the monitoring wells and the influent for the pump-and-treat wells. As noted in comments below, there are some poorly constructed tables that can be used to decipher trends in VOC concentrations through time at the monitoring wells and a table of the average concentration of some VOCs in the treatment influent. These presentations are inadequate. These plots need to be adequately explained. Suggest the file be deleted and starts over from scratch and see November 13, 2011 e-mail to Autumnwood ESH Consultants. Below is an example of the plots should look like.



Central Wire Response:

Autumnwood Consultants misunderstood your request. We thought you were only requesting plots for the MCL exceedances for the Geoprobe wells over time. Plots for all wells with MCL exceedances will be prepared using standard excel chart formatting such as the chart above.

2. Historical water-quality data from all of the geoprobe locations has not been provided.

Central Wire Response:

All Geoprobe data has been provided in the 2012 RCRA CMI Field Investigation Report in Tables 1-5 sent to EPA by U.S. Mail on or about 11/20/2012 and by email on 11/29/2012. ok

4. Figure showing the water-table configuration throughout the plume area has not been provided (Piezometric surface map). no wtr level measurments how about fence diagrams of COC's from well samples?

Central Wire Response:

This request was previously discussed with Mr. John Nordine of U.S. EPA. Mr. Thorsen responded to U.S. EPA November 13, 2012 comment letter on November 20 and addressed this comment (item 6). Since the samples were collected at Geoprobe points using geoprobe rods, the measurement of groundwater elevations at these geoprobe points were not possible and therefore this data could not be collected. ok

5. As noted below, proper plots of water levels through time at the DGW2 cluster, with separate plots of water levels during periods of pumping at the Sod Farm wells. Central Wire (CW) appears to have taken a stab at this presentation based on the file name, but what's provided is not adequately explained.

   Central Wire Response: well

   Let us discuss this. For many months/years Central Wire has reported that the only correlation to water level elevation appears to be precipitation and the tables/plots provided to you appears to bear that out.

6. Trends in Groundwater Treatment Plant Influent Concentration 2007-2012: This file contains one (apparently the average) concentration for PCE, TCE, and TCA per year. It's my understanding samples were collected more than once per year from each well, so CW should present the results from each well for each sampling round, not the average value for both wells over the year. If samples actually were collected just once per year, the reporting period is adequate. If samples were collected from water that's a combination of the 2 extraction wells, reporting the concentration for the combination water is adequate, providing every sample is presented. CW also presented data only for tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane (TCA). Provide all sampling results, not just PCE, TCE, and TCA, Provide the samples results for chlorinated ethenes and ethanes at a minimum. Were there no VC, DCE, or DCA detections in these samples? Were no analyses performed for compounds other than VOCs? If there were other detections, they should be presented. If there were not, CW should note there were no hits for these compounds. ok

   Central Wire Response:

   Central Wire, on its own accord, has been monitoring the influent VOC concentrations for the effluent parameters required to be monitored for the NPDES permit (TCE, PCE and TCA). This data is available to Central Wire's consultant from 2007 to the present and plots of this data will be provided when this response is submitted to U.S.EPA.

7. Are samples collected from each well or at a point that's a combination of water from the two wells? If the influent water is a combination, it would be useful to collect samples from each well on an annual basis to see what's happening with the plume at each well.

   Central Wire Response:

Samples have been collected from each well from at least the second quarter of 2009. See response to item.

8. Table1 Semi-annual RCRA sampling; Table1 VOC D6-12....: The tables presenting the RCRA semi-annual sampling and the RCRA and Residential well sampling appear to present only parts of the data when taken separately, and appear to present a mishmash of data for the wells covering partly overlapping, and partly different time periods when they're combined. This presentation of the data is confused and complicates data analysis. CW should put all the data for a given well together in one file rather than presenting them in multiple files.

   Central Wire Response:

   EPA has all of the data collected on the monitoring and residential wells that have been collected over time. Please clarify if there is some information that you do not have that you need.

   Central Wire has been providing the monitoring well and residential well data to EPA in the format referenced in your comment letter for at least 10 years. Please clarify if you want this data reported in a different manner.

9. Additionally, the breaks on the sheets of Table 1 semi-annual RCRA sampling, break up data from a given well onto multiple sheets, making the data hard to decipher--particularly what well some of the data came from. Provide the data of each well as a separate table.

   Central Wire Response:

   See response to item 8, above.

10. Plots of GP sites exceeding MCLs: these plots tend to indicate increased concentrations of certain VOCs in 2012, and to some degree overall, in GP8S and the deeper parts of the aquifer at GP3.

    Central Wire Response:

    Central Wire also observed these trends. oh.

October-2012 Monthly Report: EPA has a couple new comments based on the rest of the information received in this submission. First, MCL exceedances at the GP3 and GP8 locations rate mention.

Central Wire Response:

Does EPA want Central Wire to amend the monthly report?

1. Figure with data: VOCs have been detected downgradient of the line for the "Plume Extents", which by my definition of a plume extent (basically extent of detection) makes

the line incorrect. Suggest changing "Plume Extents" to "Extent of MCL Exceedences", or something similar.

Central Wire Response:

Central Wire agrees with the comment. Does EPA require Central Wire to change and resubmit the figure? yes

a. Provide a figure showing the wells mentioned in this report--especially the various residential wells and the Sod Farm wells.

Central Wire Response:

These figures have been provided in the past. Is EPA now requiring these same figures with every submittal? yes

b. p. 2. Change to "The objectives of the 2012 field investigation were to:"

Central Wire Response:

This will be done if EPA is requiring a second resubmittal of the report.

b. p. 3, 2nd bullet. it's 20 minutes, not 20 seconds. 15 min.

Central Wire Response:

Autumnwood Consultants believes this is a reference to the frequency of water level logging in the data logger in monitoring well DGW-2I. This logging is recorded every 15 minutes.

c. p. 3, last paragraph EPA suggests text be altered to "No chemicals of concern were detected above the MCLs at GP-18 or GP-22, see Table 1."

Central Wire Response:

The entire paragraph is about only well points GP-18 and GP-22. It would be redundant to restate that. Does EPA want Central Wire to amend the report?

e. General comment, can we avoid redundant text? There are at least 2 mentions of the 24-hour turnaround at GP-18 and -22. Suggest deleting it from page 3 and just presenting it here.

Central Wire Response:

Does EPA want Central Wire to amend the monthly report? yes

f. p. 4. Just say the toluene and acetone detections are likely field or lab contamination (even if not detected in the blanks) and are not part of the CW plume. Giving this detection undue credence could risk in the mis-identification of the plume boundaries.

Central Wire Response:

Does EPA want Central Wire to amend the report?

g. TCA at GP-03-57 was 210 ppb, not 201.

Central Wire Response:

Correct. Does EPA want Central Wire to amend the report?

h. Note the detection of 37 ppb of TCA at GP-08-27

Central Wire Response:

Correct and this is below the MCL. Does EPA want Central Wire to amend the report?

i. Where is Figure 1? or Figure 2? The figure could be either figure (somewhat more likely to be Figure 2), particularly when it doesn't have a caption.

Central Wire Response:

Figure 2 is in the document provided to U.S. EPA.

j. The report cites Tables 1 and 6. Where are tables 2-5?

Central Wire Response:

The tables 2-5 are in our copy, should be inn

EPA's copy and are attached to the 11/29/2012 email to EPA's, Mr. Nordine.

2. *Are we missing an Item 2?*

3. Table 1. Add the MCL for vinyl chloride. Why are there 2 rows for acetone?

Central Wire Response:

OK. Central Wire will correct this. Does EPA want Central Wire to amend the report?

4. Tables 1-5. The point of EPA's request to compile all the geoprobe (and other) data was to get all this data together in ONE table to allow trends to be determined, not to present it in 5 separate tables.

Central Wire Response:

This is now confusing. Does EPA want a separate file for each well or one table with all the data?

5. Field data file. It is interesting to note that many of the samples with concentrations of VOCs other than toluene had elevated dissolved oxygen--especially in the shallow part

of the aquifer at the leading edge of the plume. Check value for last pH reading at GP-16-57

Central Wire Response:

Done. The correct pH reading is 8.97 not 9.97. There was a typographical error.

6. Groundwater-pumping-precipitation correlation. Per comments on an earlier submission these figures, as presented, make absolutely no sense. CW needs to plot the secondary axis as pumping period (or precipitation) and label it, even if the secondary (amount of pumping or precipitation) axis was provided these figures are still inadequate to assessing the impact of pumping on water levels or precipitation. The figures should be deleted, and CW should provide the plots we asked them for. The plots CW does generate should be referenced in the report. Show the calendar of when the pumps were working 10-12-5 / 58 hrs

Central Wire Response:

Let's discuss at 1/11/2012 meeting.

7. Provide a discussion on; where is the plume in terms of shallow, mid, or deep parts of the aquifer? or is it more or less everywhere? is the plume expanding? contracting? stable (within limits)? what is impacting the expansion/construction/stability? Status of remediation

Central Wire Response:

Discuss at 1/11/2012 meeting.

amend Reports by 2-8-13

Autumnwood ESH Consultants
6539 Autumnwood Court
Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

20 November 2012

U.S. Environmental Protection Agency, Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Attn: Mr. John Nordine
P: 312.353.1243
E: nordine.john@epa.gov

Re: Central Wire, Union, Illinois Monthly Progress Report for October 2012

Dear Mr. Nordine:

In response to your 13 November 2012 email, Central Wire Union Plant is providing the following information. We have included your requested information and a response to each point. The EPA requests are in italics.

1. *Laboratory sheets showing all data from all of the geoprobe sampling locations--i.e. the data sheets showing the results of the lab analyses, not just a summary of the data. Also provide field sheets showing all the field parameter and other field data (time, purge volume, etc.) from the October sampling.*

   The lab data in attached to the Field Investigation Report as is the field data regarding sample location stabilization prior to sampling. As we discussed in our telephone conversation, we do not have purge volumes, though it appears that we purged at least three volumes at each location based on the amount of purge water collected in the five gallon receptacle.

2. *A summary of the pertinent VOC detections at each Geoprobe location from the October sampling.*

   This is provided in Table 1 of the 2012 Field Investigation Report.

3. *A summary of ALL historical water quality data from all geoprobe locations and wells (residential and monitoring), including the influent concentrations at the plume remediation wells.*

   The historical Geoprobe sampling results are included in Tables 2 to 5 of the Field Investigation Report. The summary of the RCRA monitoring well and residential well data are in tables attached to this letter. Two sets are included since some pre 2007 data was dropped off the tables due to table size The annual average pump and treat influent VOC concentration for those parameters in the NPDES permit are attached to this letter in the table titled "Average Influent Pump & Treat Concentrations for NPDES Reportable Chemicals, 2007 – 2012".

4. *Plots or charts of VOCs showing trends (ideally for the chlorinated ethenes and ethanes) in concentration through time at each of the wells where there have been MCL exceedances, including GP-3.*

   The only MCL exceedances at geoprobe sampling locations have been at GP-3 in 2007 through 2012 and at GP-8 in 2009 and 2012. The requested plots are attached.

5. *5. A map showing all detections and concentrations, not just MCL exceedances, for the October Geoprobe sampling.*

   This figure is attached and is in the Field Investigation Report.

6. *A figure showing the water-table configuration (piezometeric surface map) throughout the area of data collection for the most recent water-level data-collection period.*

   Mr. Thorsen discussed this with Mr. Nordine in their telephone conversations on November 14, 2012. Since this sampling was done through Geoprobe stems, obtaining water levels at each geoprobe location was not feasible, so this information is not available.

7. *A plot of water levels for DGW-2I and sod farm pumping during the 2012 monitoring period, with separate plots for each of the 1 week periods with fairly extensive pumping--ex. 9/24 through 10/3, 10/3-10/8, 10/8-10/15.*

   These plots are attached. The time periods are those you selected (1 = 9/24 – 10/3, 2 = 10/3 – 10/8 and 3 = 10/8 – 10/15). The elevations are represented by the average for that time period

   There doesn't appear to be a correlation between irrigation well pumping and water table elevation nor between precipitation and water table elevation

8. The table title for the "Summary of September 2011 Irrigation at Central Sod Farms" from the October RCRA CMI Monthly Report has been corrected and is attached to this letter.

If you have any questions regarding this information please contact me

Very truly yours,

John W. Thorsen

Principal

Autumnwood ESH Consultants, LLC

encl

cc: G. Ruopp Central Wire

HISTORICAL GROUNDWATER AND RESIDENTIAL WELL DATA

Table 1
Central Wire Company, Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		MW-2										
		Sampling Date:		J-95	A-02	M-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11
Parameter	Method	Units	MCL											
Vinyl Chloride	8260B	µg/L	2			-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	2.1	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	26	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	58	16	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	65	43	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	510	59	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	23	8.2	-	-	-	1.3	2.3	1.2	-	1.3	0.39 J
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	42	97	2.1	3.4	-	-	-	-	1.3	-	1.7
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-2										
		Sampling Date:		J-95	A-02	M-08	O-08				Jn-10	D-10	Jn-11	D-11
Parameter	Method	Units	MCL											
Mercury	7470A	µg/L	2	*	-	*	*				*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	-				-	-	-	-
Barium	6010B	mg/L	2	0.0251	0.037	0.013	0.0033				0.0054 J	0.0120	0.0092 J	0.0090 J
Cadmium	6010B	mg/L	0.005	-	-	-	0.0015				-	-	0.00043 J	-
Chromium	6010B	mg/L	0.1	-	0.040	0.0012	-				-	-	0.0057 J	-
Lead	6010B	mg/L	0.015	0.037	0.040	-	-				0.0027 J	0.0027 JB	0.0140	0.0040 J
Selenium	6010B	mg/L	0.05	-	-	-	-				-	-	-	-
Silver	6010B	mg/L	—	-	-	-								

Key:
J = Parameter detected below quantitation detection limit
B = Compound was found in the blank and sample.
- = Not Detected
* = Not Analyzed
** = Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)
*** = Lechner Wells

Table 1
Central Wire Company, Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		MW-4											MW-5										
		Sampling Date:		J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																						
Vinyl Chloride	8260B	µg/L	2			-	-	-	*	-	-	-	-	-			-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	7J	2.3	2.2	3.4	9.9	*	3	0.99 J	-	1	0.94 J	230	12	-	-	1.6	-	0.98 J	1.5	0.77 J	-	0.77 J
Methylene chloride	8260B	µg/L	—	-	-	-	-	3.6	*	-	-	-	-	-	-	-	-	-	2.4	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	16	3	14	36	210	*	45	5.3	1.5	18	16	70	4.4	-	-	1.3	-	1.2	1.5	0.6 J	-	0.56 J
1,1-Dichloroethane	8260B	µg/L	800**	32	27	8.2	21	120	*	13	1.7	0.58 J	5.6	4.8	59	11	-	-	1.2	-	1.3	2	1	1.1	1.8
1,1,1-Trichloroethane	8260B	µg/L	200	120	94	45	70	71	*	63	26	17	16	27	4000	300	58	45	51	31	46	37	42	36	49
1,2-Dichloroethane	8260B	µg/L	5	-	27	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	38	8.1	5.5	19	18	*	19	12	6.3	5.5	9.7	150	5	3.8	3.1	3.6	2.7	3.6	3.2	2.6	2.5	4.2
Toluene	8260B	µg/L	1000	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	*	-	-	-	-	-	12	1.2	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	130	66	29	41	64	*	69	70	39	48	44	620	94	160	110	140	140	100	130	110	96	120
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-		-	-		-	-	-

		Monitoring Location		MW-4											MW-5										
		Sampling Date:		J-95	A-02	M-08	O-08	Jn-09		Jn-10	D-10	Jn-11	D-11	J-12	J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																						
Mercury	7470A	µg/L	2	*	-	*	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	0.004	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.078	0.050	0.060	0.056	0.049 B	*	0.037	0.029	0.027	0.032	0.035 B	0.039	0.049	0.050	0.049	0.057 B	0.046 B	0.061	0.058	0.042	0.035	0.042 B
Cadmium	6010B	mg/L	0.005	-	-	0.0088	0.0029	0.00053 J	*	0.0011 JB	-	-	0.00049 J	0.00057 J	-	-	-	0.0021	-	-	0.00078 JB	-	-	-	-
Chromium	6010B	mg/L	0.1	0.015	0.240	0.810	0.610	0.077	*	0.140	0.340	0.170	0.310	0.280	-	0.017	0.0024	-	-	0.0052 J	0.065	0.046	0.021	0.0047 J	0.0021J
Lead	6010B	mg/L	0.015	0.011	0.011	0.160	0.160	0.039	*	0.027	0.011 B	0.018	0.026	0.0041 J	-	-	-	-	-	-	-	-	-	0.0028 J	-
Selenium	6010B	mg/L	0.05	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	0.0036 J	-	-	-	-
Silver	6010B	mg/L	—	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key:

Table 1
Central Wire Company, Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		MW-5D											MW-6											
		Sampling Date:		J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	J-95	A-02	M-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																							
Vinyl Chloride	8260B	µg/L	2			-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	0.62 J	1	0.51 J	0.54 J	0.54 J	-	-	-	-	0.011B	-	-	-	-	-	-	0.57 J
Methylene chloride	8260B	µg/L	—	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	27	4.6	0.56 J	0.56 J	-	-	-	-	-	-	-	-	-	-	-	0.50 J
1,1-Dichloroethane	8260B	µg/L	800**	-	1.8	1.3	-	2	2.2	7	6.5	2.4	1.8	1.8	-	-	-	-	-	-	-	-	-	-	-	1.6
1,1,1-Trichloroethane	8260B	µg/L	200	120	24	16	15	13	15	5.1	-	5.5	17	17	10	-	-	-	-	-	-	0.69 J	-	-	-	15
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5		32	18	18	15	19	18	-	2.8	27	27			-	-	-	-	-	-	-	-	0.26 J	32
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5		-	-	-	-	1.3	-	-	0.57 J	0.79 J	0.79 J	36	14	8.5	7.54	7.2	7.8	9.5	7	7.6	6.2	6.6	1.2
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-5D											MW-6											
		Sampling Date:		J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10		D-11	Jn-12	J-95	A-02	M-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																							
Mercury	7470A	µg/L	2	*	-	*	*	*	*	*	*		*	*	*	-	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.058	0.11	0.064	0.066	0.058 B	0.076 B	0.086	0.069		0.048	0.048	0.091	0.080	0.079	0.085	0.089	0.1	0.083	0.089	0.064	0.065	0.071	0.059 B
Cadmium	6010B	mg/L	0.005	-	-	-	0.0013	-	-	0.00081	-		-	-	-	0.003	-	0.0017	-	-	0.00080 JB	-	-	-	-	-
Chromium	6010B	mg/L	0.1	-	0.01	0.054	0.088	0.089	0.044	0.01	0.0091		0.0038 J	0.0036 J	-	-	-	-	-	-	-	-	-	-	-	-
Lead	6010B	mg/L	0.015*	-	0.007	-	0.022	-	-	-	0.0019		0.0020 J	0.0020 J	-	0.430	0.012	0.014	0.047B	0.015	0.018	0.047B	0.0092 B	0.0082	0.0082	0.0013 J
Selenium	6010B	mg/L	0.05	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver	6010B	mg/L	—	-	-	-	-	-	-	-	-		-	-	-	-	-	-	0.011B			0.011B				

Key:

Key:
- J = Parameter detected below quantitation detection limit
- B = Compound was found in the blank and sample.
- - = Not Detected
- * = Not Analyzed
- ** = Region 9 Preliminary Remediation Goal
- IMW =Interior monitoring well (inside Techalloy fence)
- *** = Lechner Wells

Table 1
Central Wire Company, Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		MW-7											
		Sampling Date:		J-95	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL												
Vinyl Chloride	8260B	µg/L	2			-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	6.2	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	**130**	**22**	-	-	-	-	-	2.7	1.2	0.53 J	-	0.63 J
Methylene chloride	8260B	µg/L	—	6J	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	52	13	-	4.3	6.8	2.4	7.5	4.8	11	4.6	3	7
1,1-Dichloroethane	8260B	µg/L	800**	140	70	-	4.2	7.9	2.3	5.7	-	5.9	2.4	2.2	4.3
1,1,1-Trichloroethane	8260B	µg/L	200	**830**	**440**	28	20	30	24	30	19	22	5.5	27	24
1,2-Dichloroethane	8260B	µg/L	5	2J	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**64**	**33**	6.0	4.8	6.5	5.9	7.2	4.6	5.9	2.8	5.7	6.5
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	1.3	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	**150**	**84**	110	**93**	80	**82**	9.4	**80**	**76**	0.57 J	**61**	**67**
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-7											
		Sampling Date:		J-95	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL												
Mercury	7470A	µg/L	2	*	-	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	0.016	-	-	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L	2	0.077	0.050	0.026	*	0.043	0.029 B	0.036 B	0.031	0.041	0.045	0.04	0.034 B
Cadmium	6010B	mg/L	0.005	-	0.003	-	*	0.0012	-	-	0.00067 JB	-	-	0.00038 J	-
Chromium	6010B	mg/L	0.1	-	0.012	0.012	*	0.012	0.0028 J	0.011	0.0054 J	0.01	0.0096 J	0.017	0.033
Lead	6010B	mg/L	0.015	0.009	**0.280**	0.0051	*	0.013	0.0049 J	0.0030 J	0.013J	0.0021	0.0059	0.0047 J	0.0041
Selenium	6010B	mg/L	0.05	-	-	-	*	-	-	-	-	-	-	-	-
Silver	6010B	mg/L	—	-	-	-	*	-	-	-	-	-	0.00076 J	-	-

Key:

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

			Monitoring Location	MW-6											MW-9										
			Sampling Date:	J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	J-95	A-02	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																						
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	3.5	-	-	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	1.9	1	-	-	-	0.93 J	-	1.1	1.5 J	0.0020 J	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	5J	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	22	29	12	10	4.3	5.4	2.7	-	3.2	-	-	-	3.5	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	34	21	11	20	9.1	16	12	9.9	14	12	23	-	1.5	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	110	180	120	120	100	200	100	130	110	110	120	-	12	-	-	-	-	0.73 J	-	0.80J	0.99 J	1.2
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Monitoring Location	MW-6											MW-9										
			Sampling Date:	J-95	A-02	M-08	O-08	D-10	Jn-11	Jn-10	D-10	Jn-11	D-11	Jn-12	J-95	A-02	M-08	O-08	MJn	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																						
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.044	0.062	0.024	0.035	0.027 B	0.033 B	0.028	0.026	0.033	0.03	0.028 B	*	0.029	0.030	0.028	0.016 B	0.017 B	0.046	0.032	0.028	0.018	0.016 B
Cadmium	6010B	mg/L	0.005	-	-	-	0.0029	-	-	0.55 JB	-	-	-	-	*	-	-	0.0019	0.00067 J	-	0.00085 JB	-	-	-	-
Chromium	6010B	mg/L	0.1	-	-	0.029	-	-	-	-	0.0015 J	0.0015 J	-	-	*	-	-	-	-	-	-	-	-	-	0.00096 J
Lead	6010B	mg/L	0.015	0.003	0.035	0.0092	-	0.011	0.0062	-	0.011 B	0.014	0.0024 J	0.0049 J	*	0.072	0.0077	0.018	0.0083	0.0079	0.0051	0.0027 JB	0.0059	0.0041 J	0.0043 J
Selenium	6010B	mg/L	0.05	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-
Silver	6010B	mg/L	---	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
B = Compound was found in the blank and sample.
- = Not Detected
* = Not Analyzed
** = Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)
*** = Leahner Wells

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		HIGHBRIDGE												JESSEN					SLAIS - 17214 Highbridge						
			Sampling Date	J-95	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	J-95	A-02	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	**140**	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	2.7	-	-	-	-	-	-	*	-	-	-	-	-	2.9	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	18	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	21	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	**1900**	45	7.9	12	24	13	23	15	13	12	13	11	*	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**16**	2	-	1	1	1.5	1.9	1.6	1.5	1.3	1.1	1.2	*	-	-	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	**120**	**73**	**60**	**67**	**60**	**62**	**59**	**70**	**62**	**62**	**69**	**76**	*	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		HIGHBRIDGE												JENSEN					SLAIS						
			Sampling Date	J-95	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	Jn-05	A-02	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	Dn-11
Parameter	Method	Units	MCL																								
Mercury	7470A	µg/L	2	*	-	-	*	*	*	*	*	*	*	-	*	-	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	*	**0.011**	-	*	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L	2	*	0.054	0.016	*	0.016	0.017 B	0.019 B	0.016	0.017 B	0.018	0.022	0.021 B	-	*	*	*	*	*	*	*	*	*	*	*
Cadmium	6010B	mg/L	0.005	*	-	-	*	0.0018	-	-	0.68 JB	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
Chromium	6010B	mg/L	0.1	*	**0.017**	-	*	-	-	-	-	-	-	-	0.0016 J	-	*	*	*	*	*	*	*	*	*	*	*
Lead	6010B	mg/L	0.015	*	**0.021**	-	*	-	-	-	-	-	-	-	0.0022 J	-	*	*	*	*	*	*	*	*	*	*	*
Selenium	6010B	mg/L	0.05	*	-	-	*	-	-	-	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*
Silver	6010B	mg/L	—	*	-	-	*	*	*	*	*	*	*	*	*	-	*	*	*	*	*	*	*	*	*	*	*

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		MOSS - 18603 RI, 176								Non-responsive						OW-100		DGW- 1 S											
			Sampling Date:	M-08	O-08	M-09	D-09	Jn-10	D-10	Jn-11	D-11	M-08	O-08	M-09	D-09	Jn-10	D-10	Jn-05	M-08	F-96	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																												
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56 J	0.81 J
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	-	-	-	-	-	3.4	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90(*)	2.5	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	120	-	1.2	2.5	1.5	2.4	3.7	5.2	-	3.4	3.5	3.4	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	0.6	-	1.0	-	-	1.1	1.7	-	1.1	1.0	1.0	1.2
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	11	-	1.9	-	-	-	-	-	-	-	-	0.72 J	0.60 J
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MOSS								ANDREWS						OW-100		DGW-1 S											
			Sampling Date:	M-08	O-08	M-09	D-09	Jn-10	D-10	Jn-11	D-11	M-08	O-08	M-09	D-09	Jn-10	D-10	Jn-05	M-08	F-96	A-02	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																												
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	0.025	-	-	-	-	-	-	*
Barium	6010B	mg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.044	0.054	*	*	0.029	*	0.031	0.029	0.028 B	0.021	0.026	0.025	0.026	*
Cadmium	6010B	mg/L	0.005	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	0.00179	0.00079 JB	-	-	-	-	-	*
Chromium	6010B	mg/L	0.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0.12	0.073	*	*	-	*	-	-	-	-	-	0.0015 J	-	*
Lead	6010B	mg/L	0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	0.022	-	-	-	-	-	-	*
Selenium	6010B	mg/L	0.05	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	-	-	-	-	-	-	-	*
Silver	6010B	mg/L	---	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	-	*	*	-	*	-	-	-	-	-	-	-	*

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NW
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Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

			Monitoring Location	DGW-1 I											
			Sampling Date:	F-96	A-02	M-06	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL												
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	120	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	6	21	33	89	63	70	91	110	75	63	60	120
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	2.6	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	3.2	8.9	8.6	-	6.4	8.4	4.4	4.6	3.6	9.25 J
1,1-Dichloroethane	8260B	µg/L	800**	1	45	22	67	49	51	53	59	30	40	27	57
1,1,1-Trichloroethane	8260B	µg/L	200	-	63	250	370	470	390	630	540	490	340	380	710
1,2-Dichloroethane	8260B	µg/L	5	0.6	159	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	4	9 J	38	46	62	51	110	71	72	59	62	90
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	13	-	-	-	-	-	-	-	-	0.50 J	-	0.98 J
Tetrachloroethene	8260B	µg/L	5	-	47	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-

			Monitoring Location	DGW-1 D												DGW-2 S		
			Sampling Date:	F-96	A-02	M-06	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL															
Vinyl Chloride	8260B	µg/L	2	1	-	-	-	-	-	-	-	-	-	0.36 J	-	-	-	-
Chloroethane	8260B	µg/L	---	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	4	24	56	31	24	8.2	16	8.1	12	43	23	19	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	2.3	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	27.3	12.2	13	3.9	6.6	4	5	10.9	7.59 J	3.84 J	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	2	100	230	77	97	22	55	20	34	91	63	22	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	1	3.3	1.2	1.2	-	-	-	-	4.2	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	2	37.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	-	2.8	2.2	-	1.7	2	1.5	1.8	2.9	2.4	2.4	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Monitoring Location	DGW-1 I											
			Sampling Date:	F-96	A-02	M-06	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL												
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	*	*	-	-	0.064	-	-	-	-	-	-	*
Barium	6010B	mg/L	2	*	*	0.023	0.023	0.17	0.027 B	0.030 B	0.033	0.02	0.03	0.031	*
Cadmium	6010B	mg/L	0.005	*	*	-	-	0.012	-	-	0.00088 JB	-	-	0.00057 J	*
Chromium	6010B	mg/L	0.1	*	*	0.0012	0.0012	0.16	0.0025 J	-	0.0023 J	0.0021 J	0.0020 J	0.0018 J	*
Lead	6010B	mg/L	0.015	*	*	0.001	0.001	0.17	-	-	-	-	-	-	*
Selenium	6010B	mg/L	0.05	*	*	-	-	-	-	-	-	-	-	-	*
Silver	6010B	mg/L	---	*	*	-	-	-	-	-	-	-	-	-	*

			Monitoring Location	DGW-1 D												DGW-2 S		
			Sampling Date:	F-96	A-02	M-06	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	Jn-11	D-11	D-11
Parameter	Method	Units	MCL															
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	*	*	-	*	-	-	-	0.0037 J	-	-	-	*	-	0.0032 J	*
Barium	6010B	mg/L	2	*	*	0.11	*	0.15	0.16	0.17 B	0.17	0.13	0.15	0.14	*	0.016	0.037	*
Cadmium	6010B	mg/L	0.005	*	*	-	*	0.0021	-	-	0.0010 JB	-	-	-	*	-	-	*
Chromium	6010B	mg/L	0.1	*	*	0.0029	*	0.0098	0.017	0.0035 J	0.0023	0.0040 J	0.0068 J	0.0040 J	*	0.0024 J	0.0074 J	*
Lead	6010B	mg/L	0.015	*	*	-	*	0.017	0.016	-	-	-	-	-	*	-	0.014	*
Selenium	6010B	mg/L	0.05	*	*	-	*	-	-	-	-	-	-	-	*	-	-	*
Silver	6010B	mg/L	---	*	*	-	*	-	-	-	-	-	-	-	*	-	-	*

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location		DGW-2 I			DGW-2 D			FLAGPOLE	GANVIK	Logothetti - 18010 Rt. 176										Bolanos - 18017 Rt. 176					
		Sampling Date:		Jn-11	D-11	Jn-12	Jn-11	D-11	Jn-12	M-08	M-08	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	Jn-08	O-08	Jn-09	D-11	Jn-12
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		DGW-2 I			DGW-2 D					Logothetti - 18010 Rt. 176										18017 Rt. 176					
		Sampling Date:		Jn-11	D-11	D-11	Jn-11	D-11	Jn-12	M-08	M-08	M-08	Jn-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	Jn-08	O-08	Jn-09	D-11	Jn-12
Parameter	Method	Units	MCL																								
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	*	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L	2	0.076	0.075	*	0.074	0.049	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cadmium	6010B	mg/L	0.005	-	-	*	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chromium	6010B	mg/L	0.1	0.0037 J	0.0029 J	*	0.028	0.0069 J	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lead	6010B	mg/L	0.015	0.0027 J	0.0031 J	*	0.0052	0.0025 J	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Selenium	6010B	mg/L	0.05	-	-	*	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Silver	6010B	mg/L	—	-	-	*	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

			Monitoring Location	S. Br. Nursery										Turner - 18216 Rt. 176								
			Sampling Date:	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																			
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Monitoring Location	S. Br. Nursery										Turner - 18216 Rt. 176								
			Sampling Date:	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	M-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units	MCL																			
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cadmium	6010B	mg/L	0.005	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chromium	6010B	mg/L	0.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lead	6010B	mg/L	0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Selenium	6010B	mg/L	0.05	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Silver	6010B	mg/L	—	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 1
Central Wire Company Union, Illinois
June 2012 Residential Well RCRA Groundwater Samping
Volatile Organic Compound and Metals Results

		Monitoring Location	Sickles - 18314 Rt. 176																Standish - 18408 Rt. 176							Kol Pond - 18516 Rt. 176								
		Sampling Date:	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	O-08	D-08	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units / MCL																															
Vinyl Chloride	8260B	µg/L / 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L / —	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L / 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L / —	-	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L / 170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L / 800**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L / 200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L / 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L / 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L / 1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L / 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L / 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L / 10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location	18314																18408 Rt. 176							Kol Pond - 18516 Rt. 176								
		Sampling Date:	M-08	Jn-08	O-08	M-09	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	Jn-08	O-08	O-08	Jn-09	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12	M-08	O-08	D-08	D-09	Jn-10	D-10	Jn-11	D-11	Jn-12
Parameter	Method	Units / MCL																															
Mercury	7470A	µg/L / 2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L / 0.01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L / 2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cadmium	6010B	mg/L / 0.005	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chromium	6010B	mg/L / 0.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lead	6010B	mg/L / 0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Selenium	6010B	mg/L / 0.05	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Silver	6010B	mg/L / —	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location:		MW-2												MW-4											
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2							-	-	-	-	-	-							-	-	-	-		
Chloroethane	8260B	µg/L	---	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	**26**	-	-	2.4	-	-	-	1.16	-	-	-	-	7J	2.3	-	-	-	-	-	-	-	-	**230**	**12**
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	58	16	16	9.8	3.5	2.3	-	4.31	-	-	1.3	-	16	3	-	-	-	-	-	5.4	-		70	4.4
1,1-Dichloroethane	8260B	µg/L	800**	65	43	20	10	5.2	4.3	1.9	5.21	-	10	1.2	-	32	27	21	7.7	5.8	1.6	2.6	1.3	-	-	59	11
1,1,1-Trichloroethane	8260B	µg/L	200	**510**	59	88	99	20	7.7	3.3	21.8	6.5	8.8	3.9	-	120	94	59	50	43	-	19	-	8	-	**4000**	**300**
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	1.2	-	-	27	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**23**	**8.2**	**9.5**	**9.9**	2.5	1.4	-	3.05	-	1.8	-	1.5	**38**	**8.1**	**5.4**	4.6	**6.9**	-	4.9	-	2.4	-	**160**	**5**
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**15**	-	-	-	-	**12**	**1.2**
Tetrachloroethene	8260B	µg/L	5	**42**	**57**	**39**	**65**	**19**	**15**	**10**	**22.3**	**39**	**29**	**7.9**	**5.3**	**130**	**88**	**55**	**46**	**53**	**47**	**37**	1.0	**21**	-	**620**	**94**
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location:		MW-2												MW-4											
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02
Parameter	Method	Units	MCL																								
Mercury	7470A	µg/L	2	*	-	-	-	*	-	-	-	*	*	*	*	*	-	-	0.520	*	-	-	*	*	*	*	-
Arsenic	6010B	mg/L	0.01	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.018	*	-	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.025	0.037	0.027	0.045	*	0.028	0.036	0.0152	0.02	0.01	0.019	0.015	0.078	0.050	0.035	0.170	*	0.032	0.046	0.012	0.019	0.010	0.039	0.049
Cadmium	6010B	mg/L	0.005	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	0.005	*	-	-	-	-	-	-	-
Chromium	6010B	mg/L	0.1	-	0.040	**1.100**	**0.610**	*	-	-	0.0613	-	0.022	0.0025	0.0076	0.015	**0.240**	**0.160**	**0.670**	*	**0.160**	**0.130**	0.0023	0.044	0.010	-	0.017
Lead	6010B	mg/L	0.015	0.037	0.040	-	-	*	-	-	0.011 J	-	-	0.0013	0.0110	0.011	0.011	-	**0.730**	*	-	**0.015**	0.0023	0.007	0.010	-	-
Selenium	6010B	mg/L	0.05	-	-	-	-	*	-	-	0.020 J	-	0.0013	-	-	-	-	-	-	*	0.024	0.001	-	-	-	-	-
Silver	6010B	mg/L	---	-	-	-	-	*	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)
*** Lechner Wells

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location		MW-5										MW-5D													
		Sampling Date:		J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2					-	-	-	-	-	-							-	-	-	-	-	-		
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	5	1.8	-	-	-	1.64	-	-	5.7	1.1	-	-	1.3	1.4	1.2	-	1.1	1.64	-	-	-	1.2	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	-	-	1.8	2.4	2.6	2.6	1.9	2.3	3.45	2.2	2.1	1.5	1.6	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	**360**	**330**	150	160	120	93.2	78	82	86	58	120	24	50	48	3.7	-	32	40.4	23	29	20	19	10	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**10**	**7.5**	4.7	**5.1**	4.9	4.63	4.7	4	4.5	4.6		**32**	**63**	**52**	**51**	-	-	**47.5**	**27**	**30**	**22**	**22**		
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	**110**	-	-	-	-	**29**	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	**190**	**210**	**170**	**190**	**190**	**133**	**120**	**160**	**160**	**130**			-	-	-	**42**	**49**	-	-	1.2	-	-	**36**	**14**
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-5										MW-5D													
		Sampling Date:		J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02
Parameter	Method	Units	MCL																								
Mercury	7470A	µg/L	2	-	-	*	-	-	-	*	*	*	*	*	-	-	-	*	-	-	-	*	*	*	*	*	-
Arsenic	6010B	mg/L	0.01	-	-	*	-	-	0.0284	-	-	-	-	-	-	-	-	*	-	-	0.018 J	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.045	0.13	*	0.037	0.035	0.035	0.0026	0.028	0.029	0.027	0.058	0.11	0.034	0.075	*	0.065	0.054	-	0.067	0.073	0.071	0.078	0.091	0.080
Cadmium	6010B	mg/L	0.005	-	-	*	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	0.003
Chromium	6010B	mg/L	0.1	-	-	*	-	-	-	-	-	0.0012	0.0089	-	0.01	-	-	*	-	-	-	0.023	0.023	0.031	0.05	-	-
Lead	6010B	mg/L	0.015	-	-	*	-	-	-	-	-	-	-	-	0.007	-	-	*	-	-	-	-	-	-	0.0016	-	0.430
Selenium	6010B	mg/L	0.05	-	-	*	-	-	0.025 J	-	-	-	-	-	-	-	-	*	0.015	-	0.031 J	-	-	-	-	-	-
Silver	6010B	mg/L	—	-	-	*	-	-	0.0021 J	-	-			-	-	-	-	*	-	-	-	-	-	-	-	-	-

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)
*** Lechner Wells

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location		MW-6										MW-7												
		Sampling Date:		J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Mar-07	Jn-07	S-07
Parameter	Method	Units	MCL																							
Vinyl Chloride	8260B	µg/L	2					-	-	-	-	-	-							-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	**130**	**22**	**11**	5.5	2.3	1.9	-	1.45	-	-	-	1.1	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	6J	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	52	13	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	-	140	70	-	-	2.4	2.1	1.9	-	1.2	-	1.2	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	1.1	-	-	-	-	-	-	-	-	**830**	**440**	**840**	**630**	**270**	**210**	-	118	77	86	59	62	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	2J	-	10	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	1.3	**64**	**33**	**63**	**66**	**34**	**19**	**15**	**16**	**10**	**9**	**7.5**	**7.2**	**6.2**
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	1.1	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	**10**	**12**	**9.6**	**9.1**	**9.4**	**9.91**	**7.0**	**7.8**	**67**	**8.4**	**150**	**84**	**140**	**200**	**160**	**160**	**140**	**140**	**150**	**200**	**180**	**170**	**110**
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-6										MW-7												
		Sampling Date:		J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Mar-07	Jn-07	S-07
Parameter	Method	Units	MCL																							
Mercury	7470A	µg/L	2	-	-	*	-	-	-	*	*	-	*	*	-	-	-	*	-	-	0.0002J	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	*	-	-	0.033	-	-	-	-	0.016	-	-	-	*	-	-	-	-	-	*	-	-
Barium	6010B	mg/L	2	0.076	0.083	*	0.073	0.072	0.088	0.064	0.072	0.07	0.087	0.077	0.050	0.061	0.049	*	0.049	0.048	0.063	0.037	0.049	*	0.047	0.026
Cadmium	6010B	mg/L	0.005	-	-	*	-	-	-	-	-	-	-	-	0.003	-	-	*	-	-	-	-	-	*	-	-
Chromium	6010B	mg/L	0.1	-	-	*	-	-	-	-	-	-	-	-	0.012	-	-	*	-	-	-	0.0021	0.0035	*	0.0038	0.0066
Lead	6010B	mg/L	0.015	0.097	0.047	*	-	0.010	0.0074 J	0.016	0.0034	-	0.0076	0.009	0.280	0.051	-	*	-	0.009	0.019 J	0.0018	0.003	*	0.0028	0.0023
Selenium	6010B	mg/L	0.05	-	-	*	0.013	-	0.042 J	-	-	-	-	-	-	-	-	*	-	-	0.033 J	0.0010	-	*	-	-
Silver	6010B	mg/L	---	-	-	*	-	-	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	*	-	-

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location		MW-8												MW-9										
		Sampling Date:		D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2	-							-	-	-	-	-	-							-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	1.2	-	-	*	*	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	4.4	-	1.9	*	*	12	4.1	2.1	7.39	4.6	6.5	4.4	3.1	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	3.8	5J	3.9	*	*	20	7.6	5.6	14.3	7.9	9.3	6.6	29			-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	34	22	29	*	*	34	24	13	23.1	31	42	44	21	-	3.5	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**8.9**	**34**	**21**	*	*	**16**	**23**	**18**	**11.6**	**27**	**20**	**14**	**18**	-	1.5	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	**110**	**110**	**190**	*	*	**150**	**200**	**180**	**135**	**150**	**180**	**140**	**12**	-	**12**	-	-	-	-	-	-	-	1.5	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		MW-8												MW-9										
		Sampling Date:		D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-07
Parameter	Method	Units	MCL																								
Mercury	7470A	µg/L	2	*	*	-	*	*	*	-	-	0.0002J	*	*	*	*	*	-	-	-	*	-	-	-	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	*	*	*	-	-	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-	-
Barium	6010B	mg/L	2	0.054	0.044	0.062	*	*	*	0.047	0.071	0.038	0.037	0.051	0.072	0.024	*	0.029	0.036	0.038	*	0.024	0.036	0.034	0.041	0.053	0.052
Cadmium	6010B	mg/L	0.005	-	-	-	*	*	*	-	-	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-	-
Chromium	6010B	mg/L	0.1	0.014	-	-	*	*	*	-	-	-	0.023	0.013	0.0037	0.029	*	-	-	-	*	-	-	-	-	-	-
Lead	6010B	mg/L	0.015	0.0062	0.003	0.035	*	*	*	-	-	0.013 J	0.0041	0.0	0.018	0.0062	*	0.072	0.023	-	*	-	-	0.023 J	0.0023	-	0.0013
Selenium	6010B	mg/L	0.05	-	-	-	*	*	*	-	-	0.015 J	-	-	-	-	*	-	-	-	*	-	-	0.016 J	-	-	-
Silver	6010B	mg/L	—	-	-	-	*	*	*	-	-	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-	-

Key: J = Parameter detected below quantitation detection limit.
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goad
IMW Interior monitoring well (inside Techalloy fence)
*** Lechner Wells

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location			HIGHBRIDGE																							
		Sampling Date:		D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Mar-07	Jn-07	S-07	D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	S-07	D-07
Parameter	Method	Units	MCL																										
Vinyl Chloride	8260B	µg/L	2	-							-	-	-	-	-	-	-	-							-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	**140**	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	21	-	-	-	-	-	17	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	-	**1900**	45	37	49	15	20	-	13.6	6.8	6.9	6.5	12	6.7	13	*	-	-	*	-	*	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	1.9	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	-	**16**	2	2.5	3.4	1.5	-	1.4	1.8	1.6	1.3	1.3	1.7	1.0	2.1	*	-	-	*	-	*	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	1.1	**120**	**73**	**85**	**130**	**65**	**78**	**73**	**61.1**	**58**	**70**	**59**	**68**	**57**	**52**	*	-	-	*	-	*	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-

		Monitoring Location			HIGHBRIDGE														JENSEN								SLAIS		
		Sampling Date:		D-07	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Mar-07	Jn-07	S-07	D-07	Jn-05	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	S-07	D-07
Parameter	Method	Units	MCL																										
Mercury	7470A	µg/L	2	*	*	-	-	-	*	-	-	-	*	*	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	*	**0.011**	-	-	*	-	-	-	-	-	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*
Barium	6010B	mg/L	2	0.039	*	0.054	0.018	0.020	*	0.018	0.015	0.019	0.018	0.017	*	0.017	0.017	0.016	0.017	*	*	*	*	*	*	*	*	*	*
Cadmium	6010B	mg/L	0.005	-	*	-	-	-	*	-	-	-	-	-	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*
Chromium	6010B	mg/L	0.1	-	*	**0.017**	-	-	*	-	-	-	-	-	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*
Lead	6010B	mg/L	0.015	0.0084	*	**0.021**	-	-	*	-	-	-	-	-	*	-	-	0.0098	-	*	*	*	*	*	*	*	*	*	*
Selenium	6010B	mg/L	0.05	-	*	-	-	-	*	-	-	0.026J	-	-	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*
Silver	6010B	mg/L	---	-	*	-	-	-	*	-	-	-	-	-	*	-	-	-	-	*	*	*	*	*	*	*	*	*	*

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location		Non-resp				Non-responsive					OW-100	Downgradient S												
		Sampling Date:		Jn-06	D-06	Jn-07	S-07	Jn-06	D-06	Jn-07	S-07	D-07	Jn-05	F-98	A-02	Jn -05	Jn -05	Jn-06	D-06	Jn-07	S-07	D-07	F-98	A-02	Jn-05	D-05
Parameter	Method	Units	MCL																							
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	21	26	13.6
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.43
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	-	-	-	0.90(*)	-	-	-	-	-	-	-	-	-	1	45	17	18.4
1,1,1-Trichloroethane	8260B	µg/L	200	-	-	-	-	-	-	-	-	-	20	-	1.2	2.2	1.39	1.2	1.3	1.1	1.4	1.8	-	83	140	47.2
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	150	-	18.4
Trichloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	0.6	-	1	-	-	1.0	-	-	2.1	4	9 J	31	21.6
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.21
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	7.1	-	1.9	-	-	-	-	-	-	-	-	47	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		Non-resp				Non-responsive					OW-100	Downgradient 1 S												Dc
		Sampling Date:		Jn-06	D-06	Jn-07	S-07	Jn-06	D-06	Jn-07	S-07	D-07	Jn-05	F-98	A-02	Jn-05	Jn-05	Jn-06	D-06	Jn-07	S-07	D-07	F-98	A-02	Jn-05	Jn-05
Parameter	Method	Units	MCL																							
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	*	*	-	*	*	-	-	*	*	-	-	-	*	*	-	0.0003 J
Arsenic	6010B	mg/L	0.01	*	*	*	*	*	*	*	*	*	-	*	*	0.024	0.011 J	-	-	-	-	-	*	*	0.021	0.021
Barium	6010B	mg/L	2	*	*	*	*	*	*	*	*	*	0.044	*	*	-	0.026	0.023	0.028	0.025	0.024	0.03	*	*	-	0.0233
Cadmium	6010B	mg/L	0.005	*	*	*	*	*	*	*	*	*	-	*	*	-	-	-	-	-	-	-	*	*	-	-
Chromium	6010B	mg/L	0.1	*	*	*	*	*	*	*	*	*	0.12	*	*	-	-	-	-	-	-	-	*	*	-	-
Lead	6010B	mg/L	0.015	*	*	*	*	*	*	*	*	*	-	*	*	-	-	-	-	-	-	-	*	*	-	-
Selenium	6010B	mg/L	0.05	*	*	*	*	*	*	*	*	*	-	*	*	-	0.026 J	-	-	-	-	-	*	*	-	0.027 J
Silver	6010B	mg/L	---	*	*	*	*	*	*	*	*	*	-	*	*	-	-	-	-	-	-	-	*	*		

Key:
J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)
*** Lechner Wells

Table 2
Central Wire Company Union, Illinois
December 2007 Groundwater Samping
Volatile Organic Compound Results

		Monitoring Location		Downgradient I					Downgradient D								
		Sampling Date:		Jn-06	D-06	Jn-07	S-07	D-07	F-98	A-02	Jn-05	D-05	Jn-06	D-06	Jn-07	S-07	D-07
Parameter	Method	Units	MCL														
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	1	-	1.4	1.27	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	1	-	2.6	1.78	2.8	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	6.9	4.6	**26**	**46**	**93**	4	**24**	**88**	**98.4**	**93**	**68**	**87**	**90**	**67**
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-		-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	1.4	-	3.4	6.3	11.6	-	-	36.5	51.1	49.1	-	44.4	39.7	30.8
1,1-Dichloroethane	8260B	µg/L	800**	15	18	-	3.8	77	2	100	190	269	270	330	400	250	210
1,1,1-Trichloroethane	8260B	µg/L	200	22	18	26	150	**340**	-	1	4.1	12.6	-	12	6.4	5.1	2.3
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	2	**37.6**	-	2.54	2.6	2.5	-	-	-
Trichloroethene	8260B	µg/L	5	**12**	**9.7**	**13**	**8.9**	**46**	-	-	2.5	**7.46**	**5.5**	**6.2**	**6**	4.4	4.3
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		Downgradient 1 I					Downgradient D								
		Sampling Date:		Jn-06	D-06	Jn-07	S-07	D-07	F-98	A-02	Jn-05	D-05	Jn-06	D-06	Jn-07	S-07	D-07
Parameter	Method	Units	MCL														
Mercury	7470A	µg/L	2	*	*	*	*	*	*	*	-	-	*	*	*	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	0.054	0.024	*	*	-	-	-	-	-	0.001	0.0012
Barium	6010B	mg/L	2	0.022	0.023	0.024	-	-	*	*	0.1	0.087	0.079	0.071	0.095	0.087	0.1
Cadmium	6010B	mg/L	0.005	-	-	-	-	-	*	*	-	-	-	-	-	-	-
Chromium	6010B	mg/L	0.1	-	-	0.0017	0.0024	0.014	*	*	-	-	0.001	0.0011	0.0016	0.0086	0.014
Lead	6010B	mg/L	0.015	-	-	-	-	0.001	*	*	-	-	-	-	-	0.0011	0.0014
Selenium	6010B	mg/L	0.05	0.001	-	-	-	-	*	*	-	0.027 J	-	-	-	-	-
Silver	6010B	mg/L	---	-	-	-	-	-	*	*	-	-	-	-	-	-	-

TRENDS IN GROUNDWATER TREATMENT PLANT INFLUENT CONCENTRATIONS, 2007 – 2012

Trends in Influent VOC Concentration for Chemicals of Concern, ug/L
Central Wire Union Plant

Year	PCE	TCA	TCE
2007	20	78	74
2008	19	45	50
2009	11.22	33.19	38.63
2010	15	38.3	27.8
2011	18.3	38.5	25.3
2012 YTD	13	28	19

PCE = tetrachloroethene, std = 5 ug/L
TCA = 1,1,1-trachloroethane, std = 200 ug/L
TCE = trichloroethene, std = 5 ug/L
ug/L= micrograms /liter

PLOTS OF GEOPROBE DATA WHERE MCL WAS EXCEEDED

Plots of Geoprobe Sampling Locations Exceeding MCL Over Time Downgradient from the Central Wire Union Plant

GP-3S

	2007	2008	2009	2011	2012
TCE	**59**	**60**	**75**	**84**	**27**
1,1-DCE	0	9.1	11	9.7	3.1

GP-3I

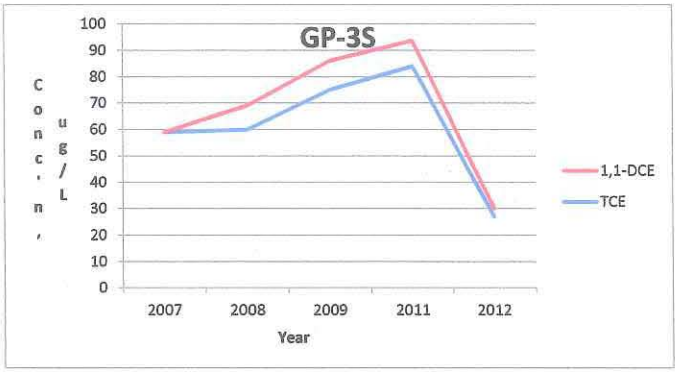
	2007	2008	2009	2011	2012
TCE	**42**	**60**	**27**	**65**	**93**
1,1-DCE	**17**	48	**69**	**57**	**51**
1,1,1-TCA	73	**210**	110	160	**210**

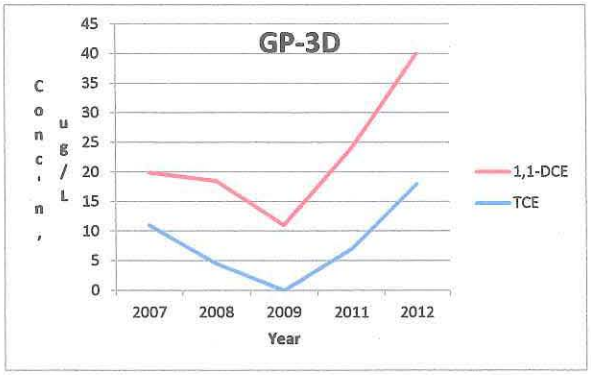
GP-3D

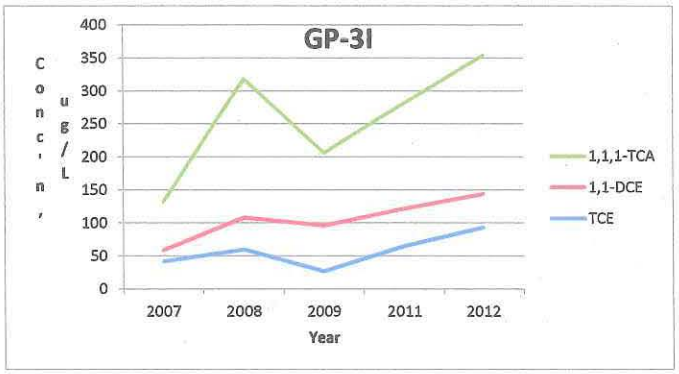
	2007	2008	2009	2011	2012
TCE	**11**	4.5	0	**7**	**18**
1,1-DCE	**8.9**	**14**	**11**	**17**	**22**

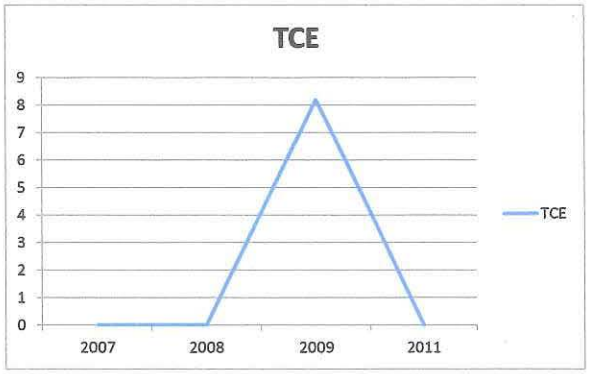
GP-8S

	2007	2008	2009	2011	2012
TCE	-	0	8.2	**0**	**11**









PLOTS TO DETERMINE CORRELATION POTENTIAL BETWEEN GROUNDWATER ELEVATION AND IRRIGATION PUMPING OR PRECIPITATION

Plots to Determine Correlation Potential Between Groundwater Elevations and Irrigation Pumping or Precipitation

		Hours Pumped		
Time Pd.	Ft, MSL	Rt.176	Kunde	Precip
1	813.617	58	26	0
2	813.489	0	6	0.01
3	813.398	9	9	0.76

REVISED OCTOBER MONTHLY PROGRESS REPORT

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
October 2012

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 631,000 gallons per day and met effluent limitations for pH; 1,1,1-TCA; TCE and PCE.

The electronic Discharge Monitoring Report (eDMR) for October 2012 is attached to this report along with water level data from downgradient monitoring well DGW-2I, information on the pumping of the Central Sod irrigation well along Illinois Highway 176 (hours per week) and precipitation data from the Marengo area.

The elevation of the water table in this well varied by 1.272 feet over the month of October indicating a very stable aquifer. There was 3.35 inches of precipitation at the National Weather Service Station in Marengo, Illinois in October 2012.

Central Sod pumped at the 176 site for 69 hours in the month and at the Kunde Rd. site for 43 hours. This information is summarized by week, below.

Summary of October 2011 Irrigation at Central Sod Farms

Date of Hour Meter Reading	Route 176 Pump		Kunde Rd. Pump	
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
9/242012	2625	0	12065	0
10/3/2012	2683	58	12091	26
10/8/2012	2683	0	12097	6
10/15/2012	2692	9	12106	9
10/22/2012	2692	0	12106	0
10/29/2012	2692	0	12107	1
11/5/2012	2694	2	12108	1
Totals		69		43

EPA had some final comments on the Central Wire Work Plan to determine the location of the leading edge of the chlorinated plume in October 2012. Central Wire agreed with those comments. Central Wire prepared for the 2012 Field Investigation by coordinating and scheduling with the Geoprobe services firm (Geoserve, Inc. in Woodstock, IL) and with the analytical laboratory (Test America Laboratories in University Park, IL).

The Field Investigation was conducted from 10/15/2012 through 10/18/2012. Three samples each at GP-18 and GP-22 were collected first day and sent to the laboratory for one day turnaround to determine if additional samples needed to be collected

downgradient from these Geoprobe locations. There were no detections above the MCLs so no additional downgradient samples were collected.

The remaining data has been received and a Field Investigation Report is being prepared and should be submitted to U.S.EPA in November 2012. To summarize the data, there were no detections above the MCLs in sample locations GP-16 through GP-22. Figure 2 from the Work Plan showing the Geoprobe locations is attached to this report.

2. **Summary of Validated Data and Results** – All of the environmental chemical data collected for the 2012 RCRA CMI Field Investigation has been received as of November 1, 2012. The results will be summarized in a Field Investigation Report as discussed above.

3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.

   Central Wire has scheduled the sampling of the RCRA groundwater monitoring wells and the residential wells for December 10 – 11, 2012.

4. **Anticipated Problem Areas and Recommended Solutions** – None.

5. **Key Personnel Changes** – None.

6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

CENTRAL WIRE

2012 RCRA Corrective Measures Implementation Field Investigation Report

November 2012

Prepared for:

Central Wire – Union Plant
6509 Olson Rd.
Union, IL 60180-0423

Prepared by:

Autumnwood ESH Consultants, LLC
6539 Autumnwood Ct.
Mount Pleasant, WI 53403

1.0 INTRODUCTION

The Central Wire Union Plant (formerly known as Techalloy) is located in Union, Illinois. It is operating under an Order on Consent with the U.S. Environmental Protection Agency to operate a groundwater extraction and treatment facility to remove a chlorinated solvent plume from the groundwater downgradient from the Central Wire facility.

In analyzing the groundwater from downgradient well nest DGW-1 over the years it has been noted that some of the plume had migrated beyond the capture zone before the treatment facility was put into operation in the early 1990s.

As a result, since 2007 Central Wire has been sampling residential wells and the well believed to be the closest downgradient well to the leading edge of the chlorinated plume - the South Branch Nursery irrigation well on the northwest side of their property. These wells have been sampled to confirm that they have not been impacted by the chlorinated plume. To date (through June 2012), there have been no detections of chlorinated solvents in any of the residential wells or in the South Branch Nursery irrigation well. In addition a relatively new well nest, DGW-2 (constructed in 2010), is being used as the sentinel wells. DGW-2, a three well nest with wells completed at 27 feet, 57 feet and 85 feet below ground surface, was sampled in June 2011, December 2011 and June 2012. There were no VOC detections in samples collected at this well nest.

Central Wire has also been attempting to identify the leading edge of the plume on an annual basis in order to assure that the residential wells downgradient of the plume are protected. The leading edge is on the South Branch Nursery property about 800 feet from the South Branch Nursery well and about 1,000 feet from the nearest residential well.

Ground water transport modeling conducted in 2007 and 2008 predicted that the chlorinated solvents in the plume would degrade before reaching residential wells. While Central Wire found no chlorinated compounds above EPA's Maximum Contaminant Limits (MCLs) at what Central Wire estimated was the leading edge of the plume in 2011 at GP-18 (see Figure 1), Central Wire wants to make sure it takes all reasonable actions to protect the residential drinking water supply for the residences along Illinois Route 176 immediately downgradient from the chlorinated plume.

At previously calculated rates of plume movement of about 125 to 130 feet per year and assuming GP-18 is at the leading edge of the plume, it would take six years (830[1] ft/130 ft/yr = 6.4 yrs) until reaching the South Branch Nursery irrigation well. It will take up to 8 years before reaching the well at the home on the south side of Route 176 in front of the nursery (approx. 1,050 ft) (aka the Bolanos well, now Rusho). Lastly, it would take 10 years before it reached the closest residential well on the north side of Route 176 (1330 ft/130 ft = 10.23).

[1] All measurements taken from Google Earth

2.0 2012 RCRA CORRECTIVE MEASURES IMPLEMENTATION FIELD INVESTIGATION

The goal of the 2012 RCRA Corrective Measures Implementation Field investigation was to identify the leading edge of the chlorinated plume.

The objectives of the 2011 field investigation were to:

- Assure Central Wire, U.S.EPA, local residents and any additional stakeholders that the public is being protected, i.e., chlorinated compounds are not reaching the shallow groundwater drinking water wells downgradient of the contaminated solvent plume

- Learn more about the characteristics of the aquifer and the interaction of the plume with the environment by collecting additional data that is outlined below.

The 2012 CMI Field Investigation Work Plan was approved by U.S. EPA in October 2012. The Field Investigation was initiated on October 15, 2012 and was completed on October 18, 2012. The Field Investigation included the following tasks:

- Perform groundwater sampling to locate the leading edge of the chlorinated solvent plume. This was done using direct push technology to collect samples on the South Branch Nursery property as was done in 2007, 2008, 2009 and 2011 to locate the leading edge of the chlorinated plume. Central Wire secured permission from Goodmark Industries, the owner of the South Branch Nursery, for the 2012 Field Investigation. See Figure 1 for the Geoprobe locations.

  In 2012 samples were collected at three depths at each of eight Geoprobe locations - at 27 feet, 57 feet and 85 feet deep. At two 85 feet deep locations (GP-17 and GP-19) silt clogged the bladder pump. At these two locations the Geoprobe stems were raised to 80 feet so a sample could be collected.

  This field investigation included two locations that Central Wire believed would be at the leading edge of the chlorinated plume: GP-18 and GP-22.which had no observed chemicals of concern (Trichloroethene, Perchloroethene and their degradation products) in 2009 and 2011. These are shown of Figure 2 of the Work Plan which is attached. Central Wire also collected samples at the same locations Geoprobe samples were collected in the 2009/2010 and 2011 Field Investigations including GP-16, GP-17, GP-19 and GP-20 since there was no to minimal detections (and none above groundwater Maximum Contaminant Limits) at these locations in the 2009/2010 or the 2011 investigation. These samples were collected using standard low flow sample collection techniques. The well stabilization data for all Geoprobe locations is provided in Table 6.

- The Central Wire Union Plant will continue to sample the residential wells along Illinois Route 176, South Branch Nursery irrigation well and the new sentinel wells, designated as DGW-2S, DGW-2I and DGW-2D, on a semiannual basis for VOCs after the field parameters have stabilized. The next semiannual sampling event is planned for December 10 & 11, 2012.

- Central Wire personnel have been attempting to correlate the Central Sod irrigation well pumping to the water levels in this well cluster by monitoring and logging the hours pumped each week by the high capacity wells on the Central Sod property and comparing this pumping to the water levels recorded every 20 seconds in DGW-2I with a data logger. Central Wire has also been comparing the water levels to local precipitation as reported by the National Weather Service at Marengo, IL. This has been evaluated for three growing seasons and the variability in the elevation of the groundwater table seems to be directly tied to the amount of precipitation in the area and does not seem to be impacted by the Central Sod irrigation wells.

All samples in the 2012 RCRA CMI Field Investigation that were collected from fixed and temporary wells were collected using low flow sample collection techniques following ASTM D6771 "Standard Practice for Low-Flow Purging and Sampling"[3]. Irrigation and residential wells will be sampled by purging three water column volumes from the well prior to sampling. Field parameters were collected by using a YSI 556 sonde and display water quality monitoring device.

All samples were analyzed for volatile organic compounds by EPA Method 8260B. Geoprobe equipment was provided by Geoserve, Inc., Woodstock, IL. Geoprobe samples were collected by Autumnwood ESH Consultants, LLC. Residential and monitoring well samples will be collected by Cabeno Environmental Field Services, LLC. All samples were analyzed by Test America Laboratories, Inc. in University Park, IL

The samples collected at GP-18 and GP-22 were collected first and submitted for 24 hour turn around so that, if chlorinated compounds were detected above groundwater MCLs, additional samples could be collected downgradient to properly define the leading edge of the chlorinated plume. No chemicals of concern were detected above the MCLs, see Table 1. For the remaining six Geoprobe locations, Central Wire received sample results approximately two weeks after samples arrived at the laboratory and sampling results are reported in Table 1 and discussed in Section 3 of this report. The Test America Analytical Reports are provided in Attachment 1.

3.0 Field Investigation Results

Three samples each from GP-18 and GP-22 were collected on the first day of sampling, October 15, 2012. These six samples were picked up, along with a trip blank by Test America at 5 pm on October 15, 2012 for one day turn around to determine if Central Wire had located the leading edge of the chlorinated solvent plume. If the plume had passed beyond these two locations, Central Wire was still in the field and a second mobilization would have been avoided. However there were **no detections of the chemical of concern above the MCLs** at any of the six samples analyzed from the two Geoprobe locations. An equipment decontamination (field) blank was also collected on the first day of sampling.

The detections observed in these two samples included only estimated values of toluene ranging from 0.17 to 0.40 ug/L in five of the six samples. There were no other detections or estimated values detected at GP-18.

These estimated values are flagged with a "J" which indicated that toluene was detected below the reporting limit for this lab and therefore was an estimated value. The estimated values were all less than the MCL of 1,000 ug/L. Toluene is not a chemical of concern at the Central Wire plant. Central Wire does not and has not used toluene in its processes or as a raw material, however, it has been found in these field investigations to define the leading edge of the plume since 2008. Central Wire does not report toluene as a compound used at the plant in the Tier 2 or Form R reports.

Acetone was found in GP-22D at 6 ug/L. There is no MCL for acetone. Acetone is also not a chemical used at the plant. Other detections at GP-22 included 1,1,1-TCA at 7.9 ug/L and TCE at 2.1 ug/L.

At the historical sampling location GP-3, chemicals of concern were found including 1,1-Dichloroethene (DCE) and Trichloroethene (TCE) at all three levels of sample collection and, at all but GP-3S, were above the MCL (7 ug/L for DCE and 5 ug/L for TCE). In addition, total 1,2-DCE; 1,1-Dichloroethane (DCA), 1,1,1-Trichloroethane (TCA) and 1,1,2-TCA were found in at least one of the three samples at this location. The TCA at the 57 foot location exceeded the MCL, it was found at 201 ug/L.

In the other historical sampling location, GP-8, chemicals of concern found at the 27 foot sampling depth included 1,1-DCE, 1,1-DCA, and TCE . The MCL for TCE was exceeded, 11 ug/L was found at this location. The 85 foot sample detects were found for 1,1-DCA and Toluene, both detections were footnoted as estimated values (J noted).

In the four other sampling locations that repeated the locations from the 2009 and 2011 field investigation (GP-16, GP-17, GP-19 & GP-20), **no MCLs were exceeded**.

There were no detections at any of the three samples at GP-16.

Only estimated values (J noted) samples were found in the three GP-17 samples, i.e.,

estimated values above the instrument detection level but below the method detection level.

In the three GP-19 samples, the only chemicals of concern found were 1,1-DCE, total 1,2 DCE, 1,1.1-TCA and TCE.

In the GP-20 samples, 1,1-DCE; total 1,2-DCE, 1,1-DCA and 1,1,1-TCA were detected.

Toluene was reported at an estimated value in 14 of 24 samples collected in this round of sampling. Toluene has been found in previous rounds at estimated and actual values, but never above the MCL. In this round of sampling the estimated values ranged between 0.14 and 0.40 ug/L (vs. Test America Chicago's Reporting Limit of 0.50 ug/L and the MCL which is 1,000 ug/L). As noted above, the Central Wire Union plant does not use toluene in any of its processes.

Two trip blank and four equipment decontamination (field) blanks were submitted for analysis, one field blank for each day of sampling as stated in the Work Plan. There were no detections in any of these samples.

It is therefore Central Wire's conclusion that the band of samples represented by GP-16 through GP-20 is at the leading edge of the chlorinated plume containing the chemicals of concern. As requested by U.S, EPA, Figure 2 (from the work plan and included in this report) represents Central Wire's interpretation of the data regarding the location of the leading edge of the chlorinated plume

FIGURES & TABLES

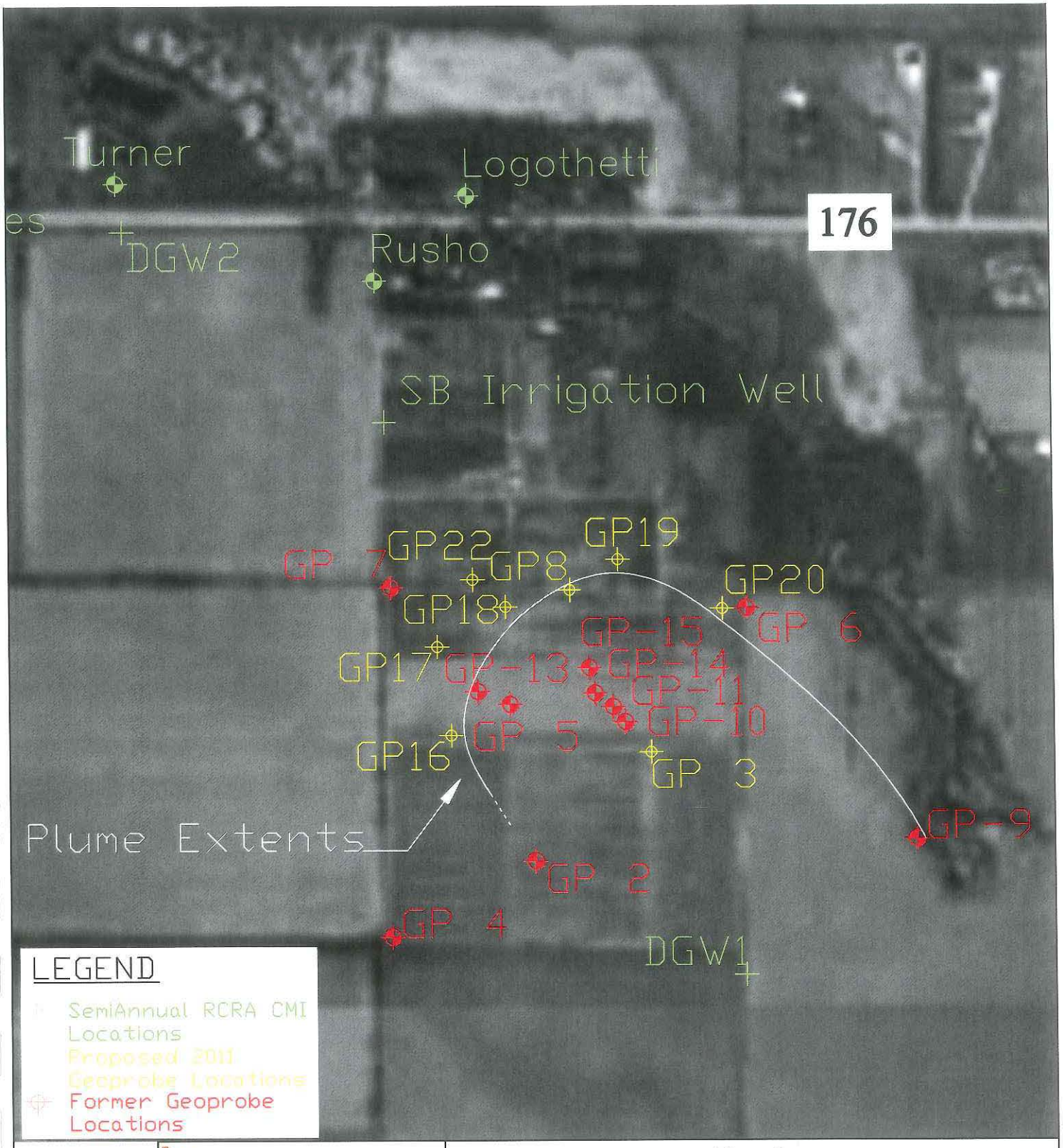


Figure 2:
Location of Former and Proposed Geoprobe Sampling Locations

Autumnwood ESH Consultants
Mount Pleasant, Wisconsin

Techalloy Company, Inc.
6509 Olsen Rd.
Union, IL. 60180

0 500'

SIZE	Date: 09/20/2011	DWG NO.	REV
SCALE 1"=500'	Drawn By: SFG	SHEET	

Table 1
October 2012 RCRA CMI Field Investigation
Geoprobe Samping Results

		Monitoring Location		GP-3S	GP-3I	GP-3D	GP-8S	GP-8I	GP-8D	GP-16S	GP-16I	GP-16D	GP-17S	GP-17I	GP-17D
		Laboratory ID:													
		Sampling Date:		O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12
Parameter	**Method**	**Units**	**MCL**										-	-	-
Vinyl chloride	8260B	mg/L		-	-	-	-	-	-	-	-	-	-	-	-
Acetone	8260B	mg/L	***	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl Chloride	8260B	mg/L	2	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	mg/L	***	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	mg/L	7	3.1	**51**	**22**	2.0	-		-	-	-	-	-	-
Acetone	8260B	mg/L					-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	mg/L	***	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	mg/L	170	-	6.9	4.1	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	mg/L	800**	0.95	30	33	-	-	0.47 J	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	mg/L	200	50	**210**	4.8	37	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	mg/L	5	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	mg/L	5	**27**	**93**	**18**	**11**	-	-	-	-	-	-	-	-
Toluene	8260B	mg/L	1000	-	-	-	-	-	0.33 J	-	-	-	0.25 J	0.29 J	0.27 J
1,1,2-Trichloroethane	8260B	mg/L	5	-	0.47 J	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	mg/L	5	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	mg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		GP-18S	GP-18I	GP-18D	GP-19S	GP-19I	GP-19D	GP-20S	GP-20I	GP-20D	GP-22S	GP-22I	GP-22D
		Laboratory ID:													
		Sampling Date:		O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12	O-12
Parameter	**Method**	**Units**	**MCL**												
Vinyl chloride	8260B	mg/L		-	-	-	-	-	-	0.36 J	0.25 J	-	-	-	-
Acetone	8260B	mg/L	***	-	-	-	-	-	-	-	-	-	-	-	6.0
Vinyl Chloride	8260B	mg/L	2	-	-	-	-	-	-	0.36 J	0.25 J	-	-	-	-
Chloroethane	8260B	mg/L	***	-	-	-	-	-	-	0.77 J	0.64 J	-	-	-	-
1,1-Dichloroethene	8260B	mg/L	7	-	-	-	0.99 J	1.5	0.59 J	-	1.7	2.5	-	-	-
Acetone	8260B	mg/L		-	-	-	-	-	-	-	-		-	-	-
Methylene chloride	8260B	mg/L	***	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	mg/L	170	-	-	-	-	1.6	0.69 J	0.66 J	2.2	5.3	-	-	-
1,1-Dichloroethane	8260B	mg/L	800**	-	-	-	-	0.81 J	0.80 J	0.69 J	6.8	26	-	-	-
1,1,1-Trichloroethane	8260B	mg/L	200	-	-	-	17	-	-	-	-	-	7.9	-	-
1,2-Dichloroethane	8260B	mg/L	5	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	mg/L	5	-	-	-	3.3	-	-	-	-	-	2.1	-	-
Toluene	8260B	mg/L	1000	0.17 J	0.20 J	0.24 J	0.21 J	0.23 J	0.21 J	0.14 J	-	0.40 J	-	0.18 J	0.21 J
1,1,2-Trichloroethane	8260B	mg/L	5	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	mg/L	5	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	mg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
\- = Not Detected @ Reporting Limit of 2 ug/L
S, I, & D = 27', 57' & 85' in depth Except GP-17D and GP 19D(which was at 80' due to silt at 85')
** = Region 9 Preliminary Remediation Goal
*** = no MCL established
BOLD = exceeds Maximum Contaminant Level (MCL)

Table 1 (cont'd)
October 2012 RCRA CMI Field Investigation
Geoprobe Samping Results

		Monitoring Location		Trip Blank 10/15/12	Trip Blank 10/18/12	Field Blank GP-22 10/15/12	Field Blank GP-08 10/16/12	Field Blank GP-19 10/17/12	Field Blank GP-20 10/18/12
		Laboratory ID:							
		Sampling Date:		O-12	O-12	O-12	O-12	O-12	O-12
Parameter	**Method**	**Units**	**MCL**						
Vinyl chloride		mg/L		-	-	-	-	-	-
Acetone	8260B	mg/L	***	-	-	-	-	-	-
Vinyl Chloride	8260B	mg/L	2	-	-	-	-	-	-
Chloroethane	8260B	mg/L	***	-	-	-	-	-	-
1,1-Dichloroethene	8260B	mg/L	7	-	-	-	-	-	-
Acetone	8260B	mg/L		-	-	-	-	-	-
Methylene Chloride	8260B	mg/L	***	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	mg/L	170	-	-	-	-	-	-
1,1-Dichloroethane	8260B	mg/L	800**	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	mg/L	200	-	-	-	-	-	-
1,2-Dichloroethane	8260B	mg/L	5	-	-	-	-	-	-
Trichloroethene	8260B	mg/L	5	-	-	-	-	-	-
Toluene	8260B	mg/L	1000	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	mg/L	5	-	-	-	-	-	-
Tetrachloroethene	8260B	mg/L	5	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	mg/L	10,000	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
\- = Not Detected @ Reporting Limit of 2 ug/L
S, I, & D = 27', 57' & 85' in depth Except GP-17D and GP 19D(which was at 80' due to silt at 85')
** = Region 9 Preliminary Remediation Goal
*** = no MCL established
BOLD = exceeds Maximum Contaminant Level (MCL)

Table 2
October 2011
RCRA CMI Field Investigation
Geoprobe Samping Results

		Monitoring Location		GP-3S	GP-3I	GP-3D	GP-8S	GP-8I	GP-8D	GP-16S	GP-16I	GP-16D	GP-17S	GP-17I	GP-17D	GP-18S	GP-18I	GP-18D	GP-19S	GP-19I	GP-19D	GP-20S	GP-20I	GP-20D	GP-22S	GP-22I	GP-22D
		Sampling Date:		O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11	O-11
Parameter	Method	Units	MCL	-	-	-				-	-	-	-	-	-												
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	0.7	67	17	2.3	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	7.4	3.3	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50 J	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	1.4	38	25	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	130	160	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	84	85	7	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	0.15 J	-	0.28 J	0.21 J	0.29 J	0.34 J	0.21 J	-	-	0.16 J	-	-	7.7	5	17	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key:
- J = Parameter detected below quantitation detection limit
- \- = Not Detected @ Reporting Limit of 2 ug/L
- S, I, & D = 27', 57' & 85' in depth except GP-1(which was at 47' due to silt at 57')
- ** = Region 9 Preliminary Remediation Goal
- *** = no MCL established
- BOLD = exceeds Maximum Contaminant Level (MCL)

Table 3
Central Wire Company Union, Illinois
November 2009 January 2010
RCRA CMI Field Investigation
Geoprobe Samping Results

		Monitoring Location		GP-3S	GP-3I	GP-3D	GP-8S	GP-8I	GP-8D	GP-16S	GP-16I	GP-16D	GP-17S	GP-17I	GP-17D	GP-18S	GP-18I	GP-18D	GP-19S	GP-19I	GP-19D	GP-20S	GP-20I	GP-20D	GP-21S	GP-21I	GP-21D
		Sampling Date:		J-10	J-10	J-10	N-09	N-09	N-09	J-10	J-10	J-10	J-10	J-10	J-10	N-09	N-09	N-09	N-09	N-09	J-10	J-10	J-10	J-10	J-10	J-10	J-10
Parameter	Method	Units	MCL																								
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	11	89	11	2.3	-	-	-	-	-	-	-	-	-	-	-	2.4	3.2	-	-	-	2.4	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	3.7	4.3
total 1,2-Dichloroethene	8260B	µg/L	170	9.6	9.9	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	-	-	9.6	-	-	-
1,1-Dichloroethane	8260B	µg/L	850**	1.8	52	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	33	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	120	110	-	28	-	-	-	-	-	-	-	-	-	-	-	34	1.3	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	78	27	-	8.2	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	11	13	15	-	-	-	1.6	17	25	-	1.4	-	-	-	-	-	-	7.7	6	17	13	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
\- = Not Detected @ Reporting Limit of 2 ug/L
S, I, & D = 27', 57' & 85' in depth Except GP-I(which was at 47' due to silt at 57'
** = Region 9 Preliminary Remediation Goal
*** = no MCL established
BOLD = exceeds Maximum Contaminant Level (MCL)
Methylene Chloride detections were also in the trip blank. This is a laboratory contaminant and not found on the site.

Table 4
October 2008 Geoprobe Samping
Results

		Monitoring Location		GP-3S	GP-3I	GP-3D	GP-6S	GP-6I	GP-6D	GP-9S	GP-9I	GP-9D	GP-10S	GP-10I	GP-10D	GP-11S	GP-11I	GP-11D	GP-13S	GP-13I	GP-14S	GP-14I	GP-14D	GP-15S	GP-15I	GP-15D
		Sampling Date:		O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08	O-08
Parameter	Method	Units	MCL																							
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	7	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	9.1/6.8	47/48	14/12	2.2	-	-	-	16	3	23	33	10	-	14	7.1	-	-	14	8.2	2.6	11	-	2
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	4.4/3.9	-	-	-	-	17	11	-	7.5	3.5	-	6.5	3.2	-	-	-	4.3	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	45/46	1.1	-	-	-	-	150	100	-	39	13	-	17	9.1	-	-	-	7.9	4.4	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	120/100	210/200	2.6/4.2	28	-	-	-	-	-	170	26	3.7	15	3.3	-	-	5.3	100	-	-	59	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	60/50	60/56	3.5/4.5	-	-	-	-	-	-	110	6.8	2.8	3	-	-	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MRL = 5

Key:
J = Parameter detected below quantitation detection limit
\- = Not Detected @ Reporting Limit of 2 ug/L
* = Not Analyzed
** = Region 9 Preliminary Remediation Goal
*** = no mCL established
BOLD = exceeds Maximum Contaminant Level (MCL)

Table 5
March 2007 Geoprobe Samping
Results

		Monitoring Location		GP-2S	GP-2D	GP-3S	GP-3I	GP-3D	GP-4S	GP-4I	GP-4D	GP-5S	GP-5I	GP-5D	GP-6S	GP-6I	GP-6D	GP-7S	GP-7I	GP-7D
		Sampling Date:		Mar-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Feb-07	Mar-07	Mar-07	Mar-07
Parameter	Method	Units	MCL																	
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	12	17	8.9	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	5.7	3.4	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	1.0	19	13	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	6.2	-	100	73	10	-	-	-	15	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	3.1	-	59	42	11	-	-	-	4.7	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key:
J = Parameter detected below quantitation detection limit
= Not Detected
* = Not Analyzed
** = Region 9 Preliminary Remediation Goal
S = Shallow = 27'
I = Intermediate = 57'
D = Deep = 85'

Table 6

GROUNDWATER STABILIZATION FIELD DATA PRIOR TO GROUNDWATER SAMPLE COLLECTION

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-18	9:06	0.925	0.80	7.95	-342.2	
85 ft.	9:11	0.912	0.48	8.40	-363.6	
	9:16	0.901	0.39	8.30	-373.4	
	9:21	0.895	0.30	8.32	-380.3	
	9:26	0.891	0.26	8.33	-388.8	
Sampled	9:28					

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-18	10:00	0.923	0.14	8.52	-550.3	
57 ft.	10:05	0.897	0.09	8.68	-548.1	
	10:10	0.88	0.06	8.74	-533.3	
	10:15	0.871	0.06	8.80	-522.1	
Sampled	10:17					

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-18	10:45	0.929	0.11	8.69	-557.4	
27 ft.	10:50	0.912	0.07	8.72	-536.0	
	10:55	0.902	0.04	8.72	-520.7	
	11:00	0.897	0.04	8.71	-508.4	
Sampled	11:03					

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-22	12:15	0.890	0.40	8.55	-477.0	
85 ft.	12:20	0.880	0.06	8.62	-493.3	
	12:25	0.874	0.06	8.62	-488.3	
	12:30	0.867	0.05	8.62	-483.5	
Sampled	12:32					

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-22	1:02	0.880	0.09	8.59	-519.6	
57 ft.	1:07	0.873	0.07	8.73	-515.7	
	1:12	0.880	0.05	8.77	-516.8	
	1:17	0.873	0.14	8.76	-523.3	pump glitch was worked out
	1:22	0.866	0.03	8.76	-518.8	
	1:27	0.863	0.03	8.75	-516.3	
Sampled	1:29					

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-22	2:00	0.727	0.94	8.54	-405.0	
27 ft.	2:05	0.687	1.95	8.49	-314.3	
	2:10	0.654	3.68	8.35	-207.0	
	2:15	0.648	4.30	8.27	-178.0	
	2:20	0.645	4.69	8.22	-157.5	
	2:25	0.641	4.92	8.18	-147.0	
Sampled	2:27					

Table 6

GROUNDWATER STABILIZATION FIELD DATA PRIOR TO GROUNDWATER SAMPLE COLLECTION

10/15/2012	TIME	SC	DO	pH	ORP	Comments
GP-08	3:35	0.989	0.10	9.13	-523.0	
85 ft.	3:40	0.977	0.07	9.26	-516.6	
	3:45	0.970	0.06	9.20	-519.3	
Sampled	3:47					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-08	8:36	0.905	0.44	8.68	-594.0	
57 ft.	8:41	0.916	0.27	8.74	-572.0	
	8:46	0.919	0.25	8.74	-553.6	
Sampled	8:48					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-08	9:15	0.689	0.74	8.65	-507.0	
27 ft.	9:20	0.602	3.54	8.58	-330.0	
	9:25	0.587	5.20	8.52	-276.5	
	9:30	0.558	5.30	8.51	-280.5	Pump problem
	9:55	0.586	5.30	8.43	-240.0	
	10:00	0.572	6.68	8.37	-178.6	
	10:05	0.567	6.93	8.32	-144.2	
	10:10	0.567	6.94	8.30	-144.1	
	10:15	0.568	6.76	8.30	-155.7	
Sampled	10:17					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-03	11:32	1.023	0.15	8.78	-497.0	
85 ft.	11:37	1.013	0.09	8.80	-481.0	
	11:42	1.006	0.07	8.77	-444.0	
	11:47	1.000	0.04	8.73	-438.0	
Sampled	11:49					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-03	12:40	1.022	0.20	8.96	-490.0	
57 ft.	12:45	1.010	0.10	9.05	-502.0	
	12:50	1.002	0.08	9.05	-510.7	
	12:55	1.000	0.08	9.02	-513.5	
Sampled	12:57					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-03	1:30	0.750	4.55	8.65	-231.0	
27 ft.	1:35	0.734	5.29	8.59	-174.0	
	1:40	0.726	5.50	8.50	-151.9	
	1:45	0.724	5.64	8.45	-143.2	
Sampled	1:47					

Table 6

GROUNDWATER STABILIZATION FIELD DATA PRIOR TO GROUNDWATER SAMPLE COLLECTION

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-16	3:00	0.902	0.24	8.00	-332.0	
85 ft.	3:05	0.898	0.07	8.83	-424.7	
	3:10	0.899	0.05	8.91	-441.0	
	3:15	0.889	0.04	8.95	-452.1	
Sampled	3:17					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-16	3:40	0.913	0.14	8.85	-517.0	
57 ft.	3:45	0.906	0.06	8.97	-503.3	
	3:50	0.896	0.04	8.98	-478.4	
	3:55	0.890	0.02	9.97	-476.8	
Sampled	3:57					

10/16/2012	TIME	SC	DO	pH	ORP	Comments
GP-16	4:20	0.786	0.16	8.81	-415.0	
27 ft.	4:25	0.758	0.62	8.74	-340.2	
	4:30	0.745	1.57	8.64	-265.7	
	4:35	0.740	1.95	8.57	-245.0	
	4:40	0.736	2.38	8.50	-204.0	
	4:45	0.731	2.81	8.43	-160.0	
	4:50	0.729	2.98	8.38	-148.7	
	4:55	0.727	3.22	8.35	-134.2	
Sampled	4:57					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-17	9:55	0.884	0.38	8.87	-475.0	Sampling tube block w/ sediment
80 ft.	10:00	0.891	0.24	8.96	-470.0	pulled rods up to 80 ft.
	10:05	0.880	0.24	8.97	-461.0	
	10:10	0.869	0.26	8.98	-448.9	
Sampled	10:12					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-17	10:30	0.910	0.17	8.86	-480.0	
57 ft.	10:35	0.912	0.10	8.95	-482.0	
	10:40	0.902	0.08	8.98	-487.7	
	10:45	0.895	0.06	8.99	-484.9	
Sampled	10:47					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-17	11:00	0.812	0.18	8.90	-480.0	
27 ft.	11:05	0.760	0.59	8.80	-380.0	
	11:10	0.739	0.85	8.80	-364.0	
	11:15	0.728	1.25	8.73	-312.9	
	11:20	0.726	1.22	8.68	-313.6	
	11:25	0.727	0.94	8.69	-328.2	
Sampled	11:27					

Table 6

GROUNDWATER STABILIZATION FIELD DATA PRIOR TO GROUNDWATER SAMPLE COLLECTION

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-19	12:57	0.980	0.12	8.72	-470.0	Sampling tube block w/ sediment
80 ft.	1:02	0.947	0.08	8.76	-431.0	pulled rods up to 80 ft.
	1:07	0.933	0.08	8.71	-394.0	
	1:12	0.926	0.08	8.64	-357.0	
	1:17	0.925	0.08	8.59	-332.3	
	1:22	0.925	0.06	8.54	-320.2	
Sampled	1:24					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-19	1:57	0.955	0.20	8.70	-485.0	
57 ft.	2:02	0.947	0.18	8.78	-434.1	
	2:07	0.940	0.28	8.72	-410.0	
	2:12	0.964	0.36	8.66	-388.0	
	2:17	0.931	0.41	8.63	-388.2	
	2:22	0.928	0.36	8.64	-398.3	
Sampled	2:24					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-19	2:45	0.800	0.08	8.80	-550.0	
27 ft.	2:50	0.713	0.12	8.80	-494.0	
	2:55	0.647	0.54	8.68	-406.3	
	3:00	0.623	1.67	8.61	-330.0	
	3:05	0.613	2.80	8.51	-265.0	
	3:10	0.607	3.24	8.43	-205.0	
	3:15	0.600	3.82	8.37	-156.7	
	3:20	0.596	4.33	8.32	-121.0	
	3:25	0.594	4.61	8.30	-114.8	
Sampled	3:27					

10/17/2012	TIME	SC	DO	pH	ORP	Comments
GP-20	4:50	1.052	0.12	8.85	-525.0	
85 ft.	4:55	1.035	0.05	8.86	-519.0	
	5:00	1.029	0.03	8.85	-512.0	
	5:05	1.025	0.03	8.84	-509.2	
Sampled	5:07					

10/18/2012	TIME	SC	DO	pH	ORP	Comments
GP-20	8:15	0.971	1.04	8.80	-460.0	
57 ft.	8:20	0.972	0.76	8.83	-435.0	
	8:25	0.972	0.55	8.85	-420.0	
	8:30	0.972	0.44	8.70	-290.0	
	8:35	0.971	0.41	8.72	-290.0	
	8:40	0.971	0.36	8.67	-247.0	
Sampled	8:42					

Table 6

GROUNDWATER STABILIZATION FIELD DATA PRIOR TO GROUNDWATER SAMPLE COLLECTION

10/18/2012	TIME	SC	DO	pH	ORP	Comments
GP-20	9:00	1.004	0.16	8.94	-485.0	
27 ft.	9:05	1.021	0.37	8.94	-453.0	
	9:10	1.022	0.52	8.94	-420.0	
	9:15	1.020	0.73	9.91	-409.4	
	9:20	1.018	0.65	8.91	-406.4	
	9:25	1.016	0.67	8.90	-401.9	
Sampled	9:27					

ATTACHMENT 1

ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-51291-1
Client Project/Site: Techalloy

For:
Autumnwood Consultants
6539 Autumnwood Court
Mount Pleasant, Wisconsin 53403

Attn: Mr. John Thorsen

Therese Hargraves

Authorized for release by:
10/17/2012 8:20:35 AM
Therese Hargraves
Project Manager II
therese.hargraves@testamericainc.com

Designee for

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Job ID: 500-51291-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-51291-1

Comments
No additional comments.

Receipt
The samples were received on 10/16/2012 7:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-85 — Lab Sample ID: 500-51291-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00024	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-18-57 — Lab Sample ID: 500-51291-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00020	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-18-27 — Lab Sample ID: 500-51291-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00017	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-22-85 — Lab Sample ID: 500-51291-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0060		0.0050	0.0013	mg/L	1		8260B	Total/NA
Toluene	0.00021	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-22-57 — Lab Sample ID: 500-51291-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00018	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-22-27 — Lab Sample ID: 500-51291-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.0079		0.0010	0.00020	mg/L	1		8260B	Total/NA
Trichloroethene	0.0021		0.00050	0.00019	mg/L	1		8260B	Total/NA

Client Sample ID: TRIP — Lab Sample ID: 500-51291-7

No Detections

Method Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-51291-1	GP-18-85	Water	10/15/12 09:28	10/16/12 07:00
500-51291-2	GP-18-57	Water	10/15/12 10:17	10/16/12 07:00
500-51291-3	GP-18-27	Water	10/15/12 11:03	10/16/12 07:00
500-51291-4	GP-22-85	Water	10/15/12 12:32	10/16/12 07:00
500-51291-5	GP-22-57	Water	10/15/12 13:29	10/16/12 07:00
500-51291-6	GP-22-27	Water	10/15/12 14:27	10/16/12 07:00
500-51291-7	TRIP	Water	10/15/12 00:00	10/16/12 07:00

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-85

Date Collected: 10/15/12 09:28
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:22	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:22	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 11:22	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:22	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 11:22	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 11:22	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:22	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 11:22	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 11:22	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 11:22	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:22	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 11:22	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 11:22	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 11:22	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 11:22	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 11:22	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 11:22	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:22	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:22	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 11:22	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:22	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 11:22	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:22	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 11:22	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:22	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 11:22	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:22	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:22	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 11:22	1
Toluene	**0.00024**	**J**	0.00050	0.00011	mg/L			10/16/12 11:22	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 11:22	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:22	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:22	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:22	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 11:22	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 11:22	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 11:22	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:22	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:22	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 11:22	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:22	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 11:22	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 11:22	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:22	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:22	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:22	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 11:22	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 11:22	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:22	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 11:22	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:22	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-85

Date Collected: 10/15/12 09:28
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:22	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:22	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:22	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:22	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:22	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:22	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:22	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:22	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 11:22	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 11:22	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:22	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:22	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 11:22	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 11:22	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 131*		*10/16/12 11:22*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/12 11:22*	*1*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*		*10/16/12 11:22*	*1*
Dibromofluoromethane	*97*		*74 - 123*		*10/16/12 11:22*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-57

Date Collected: 10/15/12 10:17
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:47	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:47	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 11:47	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:47	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 11:47	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 11:47	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:47	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 11:47	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 11:47	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 11:47	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:47	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 11:47	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 11:47	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 11:47	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 11:47	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 11:47	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 11:47	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:47	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:47	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 11:47	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:47	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 11:47	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:47	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 11:47	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:47	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 11:47	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:47	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:47	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 11:47	1
Toluene	**0.00020**	J	0.00050	0.00011	mg/L			10/16/12 11:47	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 11:47	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:47	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:47	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:47	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 11:47	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 11:47	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 11:47	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:47	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:47	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 11:47	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:47	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 11:47	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 11:47	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 11:47	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:47	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 11:47	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 11:47	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 11:47	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:47	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 11:47	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:47	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-57

Date Collected: 10/15/12 10:17
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 11:47	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:47	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 11:47	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:47	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:47	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 11:47	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 11:47	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 11:47	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 11:47	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 11:47	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 11:47	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 11:47	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 11:47	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 11:47	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 131*		*10/16/12 11:47*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/16/12 11:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*79 - 120*		*10/16/12 11:47*	*1*
Dibromofluoromethane	*97*		*74 - 123*		*10/16/12 11:47*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-27

Lab Sample ID: 500-51291-3

Date Collected: 10/15/12 11:03
Date Received: 10/16/12 07:00

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:11	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:11	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 12:11	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:11	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:11	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:11	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:11	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 12:11	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 12:11	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 12:11	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:11	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:11	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:11	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:11	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 12:11	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 12:11	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 12:11	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:11	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:11	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:11	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:11	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 12:11	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:11	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 12:11	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:11	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 12:11	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:11	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:11	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 12:11	1
Toluene	**0.00017**	**J**	0.00050	0.00011	mg/L			10/16/12 12:11	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:11	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:11	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:11	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:11	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 12:11	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:11	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 12:11	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:11	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:11	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 12:11	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:11	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 12:11	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 12:11	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:11	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:11	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:11	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 12:11	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 12:11	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:11	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:11	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:11	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-27

Date Collected: 10/15/12 11:03
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:11	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:11	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:11	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:11	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:11	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:11	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:11	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:11	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 12:11	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 12:11	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:11	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:11	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 12:11	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:11	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 131*		*10/16/12 12:11*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/12 12:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*		*10/16/12 12:11*	*1*
Dibromofluoromethane	*99*		*74 - 123*		*10/16/12 12:11*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-85

Date Collected: 10/15/12 12:32
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:35	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:35	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 12:35	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:35	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:35	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:35	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:35	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 12:35	1
Acetone	**0.0060**		0.0050	0.0013	mg/L			10/16/12 12:35	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 12:35	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:35	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:35	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:35	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:35	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 12:35	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 12:35	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 12:35	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:35	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:35	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:35	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:35	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 12:35	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:35	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 12:35	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:35	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 12:35	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:35	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:35	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 12:35	1
Toluene	**0.00021**	J	0.00050	0.00011	mg/L			10/16/12 12:35	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:35	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:35	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:35	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:35	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 12:35	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:35	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 12:35	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:35	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:35	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 12:35	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:35	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 12:35	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 12:35	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:35	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:35	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:35	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 12:35	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 12:35	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:35	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:35	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:35	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-85

Date Collected: 10/15/12 12:32
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:35	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:35	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:35	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:35	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:35	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:35	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:35	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:35	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 12:35	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 12:35	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:35	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:35	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 12:35	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:35	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 131*		*10/16/12 12:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/12 12:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*79 - 120*		*10/16/12 12:35*	*1*
Dibromofluoromethane	*97*		*74 - 123*		*10/16/12 12:35*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-57

Date Collected: 10/15/12 13:29
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:59	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:59	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 12:59	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:59	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:59	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:59	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:59	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 12:59	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 12:59	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 12:59	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:59	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:59	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 12:59	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:59	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 12:59	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 12:59	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 12:59	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:59	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:59	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 12:59	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:59	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 12:59	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:59	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 12:59	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:59	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 12:59	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:59	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:59	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 12:59	1
Toluene	**0.00018**	**J**	0.00050	0.00011	mg/L			10/16/12 12:59	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:59	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:59	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:59	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:59	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 12:59	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 12:59	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 12:59	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:59	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:59	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 12:59	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:59	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 12:59	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 12:59	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 12:59	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:59	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 12:59	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 12:59	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 12:59	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:59	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 12:59	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:59	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-57

Date Collected: 10/15/12 13:29
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 12:59	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:59	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 12:59	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:59	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:59	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 12:59	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 12:59	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 12:59	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 12:59	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 12:59	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 12:59	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 12:59	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 12:59	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 12:59	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 131*		*10/16/12 12:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/12 12:59*	*1*
4-Bromofluorobenzene (Surr)	*97*		*79 - 120*		*10/16/12 12:59*	*1*
Dibromofluoromethane	*100*		*74 - 123*		*10/16/12 12:59*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-27

Date Collected: 10/15/12 14:27
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:23	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:23	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 13:23	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:23	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 13:23	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 13:23	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:23	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 13:23	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 13:23	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 13:23	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:23	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 13:23	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 13:23	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 13:23	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 13:23	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 13:23	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 13:23	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:23	1
1,1,1-Trichloroethane	**0.0079**		0.0010	0.00020	mg/L			10/16/12 13:23	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 13:23	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:23	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 13:23	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:23	1
Trichloroethene	**0.0021**		0.00050	0.00019	mg/L			10/16/12 13:23	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:23	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 13:23	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:23	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:23	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 13:23	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/16/12 13:23	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 13:23	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:23	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:23	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:23	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 13:23	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 13:23	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 13:23	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:23	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:23	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 13:23	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:23	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 13:23	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 13:23	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:23	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:23	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:23	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 13:23	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 13:23	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:23	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 13:23	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:23	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-22-27

Date Collected: 10/15/12 14:27
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:23	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:23	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:23	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:23	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:23	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:23	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:23	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:23	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 13:23	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 13:23	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:23	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:23	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 13:23	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 13:23	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 131*		*10/16/12 13:23*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/12 13:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*79 - 120*		*10/16/12 13:23*	*1*
Dibromofluoromethane	*101*		*74 - 123*		*10/16/12 13:23*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: TRIP

Date Collected: 10/15/12 00:00
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:48	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:48	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 13:48	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:48	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 13:48	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 13:48	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:48	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 13:48	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 13:48	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 13:48	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:48	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 13:48	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 13:48	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 13:48	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 13:48	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 13:48	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 13:48	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:48	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:48	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 13:48	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:48	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 13:48	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:48	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 13:48	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:48	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 13:48	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:48	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:48	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 13:48	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/16/12 13:48	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 13:48	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:48	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:48	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:48	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 13:48	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 13:48	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 13:48	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:48	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:48	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 13:48	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:48	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 13:48	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 13:48	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 13:48	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:48	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 13:48	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 13:48	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 13:48	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:48	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 13:48	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:48	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: TRIP

Date Collected: 10/15/12 00:00
Date Received: 10/16/12 07:00

Lab Sample ID: 500-51291-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 13:48	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:48	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 13:48	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:48	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:48	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 13:48	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 13:48	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 13:48	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 13:48	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 13:48	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 13:48	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 13:48	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 13:48	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 13:48	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 131*		*10/16/12 13:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/16/12 13:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*79 - 120*		*10/16/12 13:48*	*1*
Dibromofluoromethane	*99*		*74 - 123*		*10/16/12 13:48*	*1*

Definitions/Glossary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

GC/MS VOA

Analysis Batch: 165981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-51291-1	GP-18-85	Total/NA	Water	8260B	
500-51291-2	GP-18-57	Total/NA	Water	8260B	
500-51291-3	GP-18-27	Total/NA	Water	8260B	
500-51291-4	GP-22-85	Total/NA	Water	8260B	
500-51291-5	GP-22-57	Total/NA	Water	8260B	
500-51291-6	GP-22-27	Total/NA	Water	8260B	
500-51291-7	TRIP	Total/NA	Water	8260B	
LCS 500-165981/31	Lab Control Sample	Total/NA	Water	8260B	
MB 500-165981/6	Method Blank	Total/NA	Water	8260B	

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Surrogate Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-131)	(80-120)	(79-120)	(74-123)
500-51291-1	GP-18-85	102	100	98	97
500-51291-2	GP-18-57	98	98	97	97
500-51291-3	GP-18-27	102	100	98	99
500-51291-4	GP-22-85	97	99	96	97
500-51291-5	GP-22-57	100	99	97	100
500-51291-6	GP-22-27	101	99	97	101
500-51291-7	TRIP	97	100	96	99
LCS 500-165981/31	Lab Control Sample	96	99	100	97
MB 500-165981/6	Method Blank	99	99	96	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-165981/6
Matrix: Water
Analysis Batch: 165981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 10:34	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/16/12 10:34	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/16/12 10:34	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/16/12 10:34	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/16/12 10:34	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 10:34	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/16/12 10:34	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/16/12 10:34	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/16/12 10:34	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/16/12 10:34	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/16/12 10:34	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/16/12 10:34	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/16/12 10:34	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/16/12 10:34	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/16/12 10:34	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/16/12 10:34	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/16/12 10:34	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/16/12 10:34	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/16/12 10:34	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/16/12 10:34	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/16/12 10:34	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/16/12 10:34	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 10:34	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/16/12 10:34	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/16/12 10:34	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/16/12 10:34	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/16/12 10:34	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/16/12 10:34	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/16/12 10:34	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/16/12 10:34	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/16/12 10:34	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/16/12 10:34	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/16/12 10:34	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/16/12 10:34	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/16/12 10:34	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/16/12 10:34	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/16/12 10:34	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 10:34	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/16/12 10:34	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/16/12 10:34	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/16/12 10:34	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/16/12 10:34	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/16/12 10:34	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/16/12 10:34	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 10:34	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/16/12 10:34	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/16/12 10:34	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/16/12 10:34	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 10:34	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-165981/6
Matrix: Water
Analysis Batch: 165981

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/16/12 10:34	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/16/12 10:34	1
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/16/12 10:34	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 10:34	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/16/12 10:34	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 10:34	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 10:34	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/16/12 10:34	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/16/12 10:34	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/16/12 10:34	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/16/12 10:34	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/16/12 10:34	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/16/12 10:34	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/16/12 10:34	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/16/12 10:34	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/16/12 10:34	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/16/12 10:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 131*		*10/16/12 10:34*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/16/12 10:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*79 - 120*		*10/16/12 10:34*	*1*
Dibromofluoromethane	*99*		*74 - 123*		*10/16/12 10:34*	*1*

Lab Sample ID: LCS 500-165981/31
Matrix: Water
Analysis Batch: 165981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0500	0.0587		mg/L		117	43 - 139
Chloromethane	0.0500	0.0447		mg/L		89	56 - 144
Vinyl chloride	0.0500	0.0532		mg/L		106	51 - 149
Bromomethane	0.0500	0.0499		mg/L		100	47 - 158
Chloroethane	0.0500	0.0602		mg/L		120	54 - 143
Trichlorofluoromethane	0.0500	0.0501		mg/L		100	66 - 126
1,1-Dichloroethene	0.0500	0.0420		mg/L		84	58 - 115
Carbon disulfide	0.0500	0.0403		mg/L		81	50 - 120
Acetone	0.0500	0.0516		mg/L		103	41 - 163
Methylene Chloride	0.0500	0.0431		mg/L		86	63 - 130
trans-1,2-Dichloroethene	0.0500	0.0450		mg/L		90	74 - 119
Methyl tert-butyl ether	0.0500	0.0443		mg/L		89	60 - 125
1,1-Dichloroethane	0.0500	0.0427		mg/L		85	66 - 118
2,2-Dichloropropane	0.0500	0.0459		mg/L		92	70 - 117
cis-1,2-Dichloroethene	0.0500	0.0446		mg/L		89	75 - 119
Methyl Ethyl Ketone	0.0500	0.0437		mg/L		87	53 - 140
Bromochloromethane	0.0500	0.0490		mg/L		98	72 - 119
Chloroform	0.0500	0.0448		mg/L		90	76 - 117
1,1,1-Trichloroethane	0.0500	0.0465		mg/L		93	77 - 117
1,1-Dichloropropene	0.0500	0.0409		mg/L		82	71 - 113

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-165981/31
Matrix: Water
Analysis Batch: 165981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0475		mg/L		95	72 - 124
Benzene	0.0500	0.0438		mg/L		88	74 - 115
1,2-Dichloroethane	0.0500	0.0442		mg/L		88	76 - 117
Trichloroethene	0.0500	0.0494		mg/L		99	75 - 120
1,2-Dichloropropane	0.0500	0.0458		mg/L		92	77 - 118
Dibromomethane	0.0500	0.0466		mg/L		93	76 - 120
Bromodichloromethane	0.0500	0.0440		mg/L		88	79 - 117
cis-1,3-Dichloropropene	0.0538	0.0517		mg/L		96	71 - 112
methyl isobutyl ketone	0.0500	0.0471		mg/L		94	59 - 134
Toluene	0.0500	0.0465		mg/L		93	80 - 120
trans-1,3-Dichloropropene	0.0486	0.0443		mg/L		91	66 - 116
1,1,2-Trichloroethane	0.0500	0.0454		mg/L		91	78 - 121
Tetrachloroethene	0.0500	0.0519		mg/L		104	71 - 120
1,3-Dichloropropane	0.0500	0.0463		mg/L		93	79 - 114
2-Hexanone	0.0500	0.0499		mg/L		100	60 - 134
Dibromochloromethane	0.0500	0.0488		mg/L		98	73 - 120
1,2-Dibromoethane	0.0500	0.0481		mg/L		96	79 - 120
Chlorobenzene	0.0500	0.0448		mg/L		90	80 - 120
1,1,1,2-Tetrachloroethane	0.0500	0.0478		mg/L		96	80 - 120
Ethylbenzene	0.0500	0.0477		mg/L		95	79 - 115
m&p-Xylene	0.100	0.0925		mg/L		92	78 - 120
o-Xylene	0.0500	0.0449		mg/L		90	78 - 120
Styrene	0.0500	0.0496		mg/L		99	80 - 120
Bromoform	0.0500	0.0522		mg/L		104	64 - 127
Isopropylbenzene	0.0500	0.0435		mg/L		87	68 - 120
Bromobenzene	0.0500	0.0478		mg/L		96	80 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0450		mg/L		90	78 - 123
1,2,3-Trichloropropane	0.0500	0.0429		mg/L		86	77 - 119
N-Propylbenzene	0.0500	0.0427		mg/L		85	77 - 114
2-Chlorotoluene	0.0500	0.0439		mg/L		88	80 - 120
1,3,5-Trimethylbenzene	0.0500	0.0498		mg/L		100	83 - 120
4-Chlorotoluene	0.0500	0.0422		mg/L		84	80 - 120
tert-Butylbenzene	0.0500	0.0458		mg/L		92	80 - 120
1,2,4-Trimethylbenzene	0.0500	0.0489		mg/L		98	80 - 120
sec-Butylbenzene	0.0500	0.0447		mg/L		89	79 - 117
1,3-Dichlorobenzene	0.0500	0.0434		mg/L		87	80 - 120
p-Isopropyltoluene	0.0500	0.0458		mg/L		92	77 - 120
1,4-Dichlorobenzene	0.0500	0.0473		mg/L		95	80 - 120
n-Butylbenzene	0.0500	0.0465		mg/L		93	78 - 119
1,2-Dichlorobenzene	0.0500	0.0453		mg/L		91	80 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0448		mg/L		90	53 - 133
1,2,4-Trichlorobenzene	0.0500	0.0482		mg/L		96	70 - 118
Hexachlorobutadiene	0.0500	0.0503		mg/L		101	71 - 128
Naphthalene	0.0500	0.0477		mg/L		95	72 - 127
1,2,3-Trichlorobenzene	0.0500	0.0486		mg/L		97	74 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-165981/31
Matrix: Water
Analysis Batch: 165981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*
Dibromofluoromethane	*97*		*74 - 123*

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Client Sample ID: GP-18-85

Lab Sample ID: 500-51291-1
Matrix: Water

Date Collected: 10/15/12 09:28
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 11:22	BDA	TAL CHI

Client Sample ID: GP-18-57

Lab Sample ID: 500-51291-2
Matrix: Water

Date Collected: 10/15/12 10:17
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 11:47	BDA	TAL CHI

Client Sample ID: GP-18-27

Lab Sample ID: 500-51291-3
Matrix: Water

Date Collected: 10/15/12 11:03
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 12:11	BDA	TAL CHI

Client Sample ID: GP-22-85

Lab Sample ID: 500-51291-4
Matrix: Water

Date Collected: 10/15/12 12:32
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 12:35	BDA	TAL CHI

Client Sample ID: GP-22-57

Lab Sample ID: 500-51291-5
Matrix: Water

Date Collected: 10/15/12 13:29
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 12:59	BDA	TAL CHI

Client Sample ID: GP-22-27

Lab Sample ID: 500-51291-6
Matrix: Water

Date Collected: 10/15/12 14:27
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 13:23	BDA	TAL CHI

Client Sample ID: TRIP

Lab Sample ID: 500-51291-7
Matrix: Water

Date Collected: 10/15/12 00:00
Date Received: 10/16/12 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	165981	10/16/12 13:48	BDA	TAL CHI

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51291-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAC	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAC	5	100201	04-30-13
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAC	7	E-10161	10-31-12
Kentucky	State Program	4	90023	12-31-12
Kentucky (UST)	State Program	4	66	04-11-13
L-A-B	DoD ELAP		L2304	01-06-13
L-A-B	ISO/IEC 17025		L2304	01-06-13
Louisiana	NELAC	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-13
North Carolina DENR	State Program	4	291	12-31-12
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	04-30-13
Texas	NELAC	6	T104704252-09-TX	02-28-13
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAC	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

~~Watertown~~ Division
~~602 Commerce Drive~~
~~Watertown, WI 53094~~

Phone 920-261-1660 or 800-833-7036
Fax 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes? Compliance Monitoring 500-51291

Client Name: Central Wire (Technalloy) Client #:
Address: 16508 Olson Rd.
City/State/Zip Code: Union IL 60040
Project Manager: Jack Thorson
Telephone Number: 262.237.1130 Fax:
Sampler Name: (Print Name) J. Thorson
Sampler Signature: J W Thorson
E-mail address:

Project Name: 2012 Plume Investigation
Project #:
Site/Location ID: State: IL
Report To: J. Thorson
Invoice To: Central Wire
Quote #: PO#:

TAT: Standard / Rush (surcharges may apply)
Date Needed: 10/17
Fax Results: Y N
E-mail: Y N

Matrix: SL - Sludge DW - Drinking Water; GW - Groundwater S - Soil/Solid; WW - Wastewater Specify Other
Preservation & # of Containers: HNO_3, HCl, NaOH, H_2SO_4, Methanol, None, Other (Specify)
Analyze For: VOCs

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

	SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix	HNO3	HCl	NaOH	H2SO4	Methanol	None	Other (Specify)	VOCs	REMARKS
1	GP-18-85	10/15	9:28			GW									
2	GP-18-57		10:17												
3	GP-18-27		11:03												
4	GP-22-85		~~12:29~~												
5	GP-22-57		1:29												
6	GP-22-27		2:27												
7	Trip - No Rush		—												

Special Instructions:

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

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
J W Thorson	10/15	4:00	Anthony White	10/15/12	16:00
Anthony White	10/15	8:20	[illegible]	10/16/12	0700

TAL-0020 (1207)

Login Sample Receipt Checklist

Client: Autumnwood Consultants

Job Number: 500-51291-1

Login Number: 51291
List Number: 1
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	2.6
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-51524-1
Client Project/Site: Techalloy

For:
Autumnwood Consultants
6539 Autumnwood Court
Mount Pleasant, Wisconsin 53403

Attn: Mr. John Thorsen

Authorized for release by:
11/1/2012 1:13:02 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Job ID: 500-51524-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-51524-1

Comments
No additional comments.

Receipt
The samples were received on 10/19/2012 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA
Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 166940 exceeded control limits for seven analytes. The recoveries were within limits.

Method(s) 8260B: The following samples submitted for volatiles analysis were received with insufficient preservation (pH =4 to 7): Decon GP-19 (500-51524-17), Decon GP-20 (500-51524-21), GP-03 57FT (500-51524-6), GP-03 85FT (500-51524-5), GP-08 57FT (500-51524-3), GP-08 85FT (500-51524-2), GP-16 57FT (500-51524-9), GP-16 85FT (500-51524-8), GP-17 27FT (500-51524-13), GP-17 57FT (500-51524-12), GP-20 85FT (500-51524-18).

No other analytical or quality issues were noted.

Detection Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-22 — Lab Sample ID: 500-51524-1

No Detections

Client Sample ID: GP-08 85FT — Lab Sample ID: 500-51524-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.00047	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
Toluene	0.00033	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-08 57FT — Lab Sample ID: 500-51524-3

No Detections

Client Sample ID: GP-08 27FT — Lab Sample ID: 500-51524-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0020		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.037		0.0010	0.00020	mg/L	1		8260B	Total/NA
Trichloroethene	0.011		0.00050	0.00019	mg/L	1		8260B	Total/NA

Client Sample ID: GP-03 85FT — Lab Sample ID: 500-51524-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.022		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.033		0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0041		0.0010	0.00012	mg/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.0048		0.0010	0.00020	mg/L	1		8260B	Total/NA
Trichloroethene	0.018		0.00050	0.00019	mg/L	1		8260B	Total/NA

Client Sample ID: GP-03 57FT — Lab Sample ID: 500-51524-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.051		0.0010	0.00031	mg/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.00068	J	0.0010	0.00025	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.030		0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0062		0.0010	0.00012	mg/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.21		0.0050	0.0010	mg/L	5		8260B	Total/NA
Trichloroethene	0.093		0.00050	0.00019	mg/L	1		8260B	Total/NA
1,1,2-Trichloroethane	0.00047	J	0.0010	0.00028	mg/L	1		8260B	Total/NA

Client Sample ID: GP-03 27FT — Lab Sample ID: 500-51524-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0031		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.00095	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.050		0.0010	0.00020	mg/L	1		8260B	Total/NA
Trichloroethene	0.027		0.00050	0.00019	mg/L	1		8260B	Total/NA

Client Sample ID: GP-16 85FT — Lab Sample ID: 500-51524-8

No Detections

Client Sample ID: GP-16 57FT — Lab Sample ID: 500-51524-9

No Detections

Detection Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 27FT — Lab Sample ID: 500-51524-10

No Detections

Client Sample ID: GP-17 80FT — Lab Sample ID: 500-51524-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00016	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
Toluene	0.00027	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-17 57FT — Lab Sample ID: 500-51524-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00016	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
Toluene	0.00029	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-17 27FT — Lab Sample ID: 500-51524-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00025	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-19 80FT — Lab Sample ID: 500-51524-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.00059	J	0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.00080	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.00069	J	0.0010	0.00012	mg/L	1		8260B	Total/NA
Toluene	0.00021	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-19 57FT — Lab Sample ID: 500-51524-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0015		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.00081	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0016		0.0010	0.00012	mg/L	1		8260B	Total/NA
Toluene	0.00023	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-19 27FT — Lab Sample ID: 500-51524-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.00099	J	0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1,1-Trichloroethane	0.017		0.0010	0.00020	mg/L	1		8260B	Total/NA
Benzene	0.00015	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
Trichloroethene	0.0033		0.00050	0.00019	mg/L	1		8260B	Total/NA
Toluene	0.00021	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: Decon GP-19 — Lab Sample ID: 500-51524-17

No Detections

Client Sample ID: GP-20 85FT — Lab Sample ID: 500-51524-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0025		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.026		0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0053		0.0010	0.00012	mg/L	1		8260B	Total/NA
Benzene	0.00020	J	0.00050	0.000074	mg/L	1		8260B	Total/NA

Detection Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 85FT (Continued) — Lab Sample ID: 500-51524-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00040	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: GP-20 57FT — Lab Sample ID: 500-51524-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.00025	J	0.00050	0.00010	mg/L	1		8260B	Total/NA
Chloroethane	0.00064	J	0.0010	0.00034	mg/L	1		8260B	Total/NA
1,1-Dichloroethene	0.0017		0.0010	0.00031	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.0068		0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0022		0.0010	0.00012	mg/L	1		8260B	Total/NA

Client Sample ID: GP-20 27FT — Lab Sample ID: 500-51524-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.00036	J	0.00050	0.00010	mg/L	1		8260B	Total/NA
Chloroethane	0.00077	J	0.0010	0.00034	mg/L	1		8260B	Total/NA
1,1-Dichloroethane	0.00069	J	0.0010	0.00019	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.00068	J	0.0010	0.00012	mg/L	1		8260B	Total/NA
Toluene	0.00014	J	0.00050	0.00011	mg/L	1		8260B	Total/NA

Client Sample ID: Decon GP-20 — Lab Sample ID: 500-51524-21

No Detections

Client Sample ID: Decon GP-08 — Lab Sample ID: 500-51524-22

No Detections

Client Sample ID: Trip Blank — Lab Sample ID: 500-51524-23

No Detections

Method Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-51524-1	Decon GP-22	Water	10/15/12 15:00	10/19/12 09:50
500-51524-2	GP-08 85FT	Water	10/15/12 15:47	10/19/12 09:50
500-51524-3	GP-08 57FT	Water	10/16/12 08:45	10/19/12 09:50
500-51524-4	GP-08 27FT	Water	10/16/12 10:17	10/19/12 09:50
500-51524-5	GP-03 85FT	Water	10/16/12 11:49	10/19/12 09:50
500-51524-6	GP-03 57FT	Water	10/16/12 12:57	10/19/12 09:50
500-51524-7	GP-03 27FT	Water	10/16/12 13:47	10/19/12 09:50
500-51524-8	GP-16 85FT	Water	10/16/12 15:17	10/19/12 09:50
500-51524-9	GP-16 57FT	Water	10/16/12 15:57	10/19/12 09:50
500-51524-10	GP-16 27FT	Water	10/16/12 16:57	10/19/12 09:50
500-51524-11	GP-17 80FT	Water	10/17/12 10:12	10/19/12 09:50
500-51524-12	GP-17 57FT	Water	10/17/12 10:47	10/19/12 09:50
500-51524-13	GP-17 27FT	Water	10/17/12 11:27	10/19/12 09:50
500-51524-14	GP-19 80FT	Water	10/17/12 13:24	10/19/12 09:50
500-51524-15	GP-19 57FT	Water	10/17/12 14:34	10/19/12 09:50
500-51524-16	GP-19 27FT	Water	10/17/12 15:27	10/19/12 09:50
500-51524-17	Decon GP-19	Water	10/17/12 15:45	10/19/12 09:50
500-51524-18	GP-20 85FT	Water	10/17/12 17:07	10/19/12 09:50
500-51524-19	GP-20 57FT	Water	10/18/12 08:42	10/19/12 09:50
500-51524-20	GP-20 27FT	Water	10/18/12 09:27	10/19/12 09:50
500-51524-21	Decon GP-20	Water	10/18/12 10:00	10/19/12 09:50
500-51524-22	Decon GP-08	Water	10/16/12 10:30	10/19/12 09:50
500-51524-23	Trip Blank	Water	10/15/12 00:00	10/19/12 09:50

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-22

Date Collected: 10/15/12 15:00
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 06:45	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 06:45	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 06:45	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 06:45	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 06:45	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 06:45	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 06:45	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 06:45	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 06:45	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 06:45	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 06:45	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 06:45	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 06:45	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 06:45	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 06:45	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 06:45	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 06:45	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 06:45	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 06:45	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 06:45	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 06:45	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 06:45	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 06:45	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 06:45	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 06:45	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 06:45	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 06:45	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 06:45	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 06:45	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 06:45	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 06:45	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 06:45	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 06:45	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 06:45	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 06:45	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 06:45	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 06:45	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 06:45	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 06:45	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 06:45	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 06:45	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 06:45	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 06:45	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 06:45	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 06:45	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 06:45	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 06:45	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 06:45	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 06:45	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 06:45	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 06:45	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-22

Lab Sample ID: 500-51524-1

Date Collected: 10/15/12 15:00
Date Received: 10/19/12 09:50

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 06:45	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 06:45	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 06:45	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 06:45	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 06:45	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 06:45	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 06:45	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 06:45	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 06:45	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 06:45	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 06:45	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 06:45	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 06:45	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 06:45	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 131*		*10/24/12 06:45*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/24/12 06:45*	*1*
4-Bromofluorobenzene (Surr)	*92*		*79 - 120*		*10/24/12 06:45*	*1*
Dibromofluoromethane	*105*		*74 - 123*		*10/24/12 06:45*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 85FT

Date Collected: 10/15/12 15:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 07:10	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 07:10	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 07:10	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 07:10	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 07:10	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 07:10	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 07:10	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 07:10	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 07:10	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 07:10	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:10	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 07:10	1
1,1-Dichloroethane	**0.00047**	**J**	0.0010	0.00019	mg/L			10/24/12 07:10	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 07:10	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 07:10	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 07:10	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 07:10	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:10	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:10	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 07:10	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:10	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 07:10	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:10	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 07:10	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:10	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 07:10	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:10	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:10	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 07:10	1
Toluene	**0.00033**	**J**	0.00050	0.00011	mg/L			10/24/12 07:10	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 07:10	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:10	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:10	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:10	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 07:10	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 07:10	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 07:10	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:10	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:10	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 07:10	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:10	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 07:10	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 07:10	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:10	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:10	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:10	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 07:10	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 07:10	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:10	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 07:10	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:10	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 85FT
Date Collected: 10/15/12 15:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:10	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:10	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:10	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:10	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:10	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:10	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:10	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:10	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 07:10	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 07:10	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 07:10	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:10	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 07:10	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 07:10	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 131*		*10/24/12 07:10*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/24/12 07:10*	*1*
4-Bromofluorobenzene (Surr)	*90*		*79 - 120*		*10/24/12 07:10*	*1*
Dibromofluoromethane	*108*		*74 - 123*		*10/24/12 07:10*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 57FT

Date Collected: 10/16/12 08:45
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 07:36	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 07:36	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 07:36	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 07:36	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 07:36	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 07:36	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 07:36	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 07:36	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 07:36	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 07:36	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:36	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 07:36	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 07:36	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 07:36	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 07:36	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 07:36	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 07:36	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:36	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:36	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 07:36	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:36	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 07:36	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:36	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 07:36	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:36	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 07:36	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:36	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:36	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 07:36	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 07:36	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 07:36	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:36	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:36	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:36	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 07:36	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 07:36	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 07:36	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:36	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:36	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 07:36	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:36	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 07:36	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 07:36	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 07:36	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:36	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 07:36	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 07:36	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 07:36	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:36	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 07:36	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:36	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 57FT

Date Collected: 10/16/12 08:45
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 07:36	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:36	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 07:36	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:36	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:36	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 07:36	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 07:36	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 07:36	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 07:36	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 07:36	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 07:36	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 07:36	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 07:36	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 07:36	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 131*		*10/24/12 07:36*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/24/12 07:36*	*1*
4-Bromofluorobenzene (Surr)	*93*		*79 - 120*		*10/24/12 07:36*	*1*
Dibromofluoromethane	*109*		*74 - 123*		*10/24/12 07:36*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 27FT

Date Collected: 10/16/12 10:17
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 08:02	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 08:02	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 08:02	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 08:02	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 08:02	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 08:02	1
1,1-Dichloroethene	**0.0020**		0.0010	0.00031	mg/L			10/24/12 08:02	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 08:02	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 08:02	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 08:02	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:02	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:02	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 08:02	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:02	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 08:02	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 08:02	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 08:02	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:02	1
1,1,1-Trichloroethane	**0.037**		0.0010	0.00020	mg/L			10/24/12 08:02	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 08:02	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:02	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 08:02	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:02	1
Trichloroethene	**0.011**		0.00050	0.00019	mg/L			10/24/12 08:02	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:02	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 08:02	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:02	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:02	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 08:02	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 08:02	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:02	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:02	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:02	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:02	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 08:02	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:02	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 08:02	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:02	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:02	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 08:02	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:02	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 08:02	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 08:02	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:02	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:02	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:02	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 08:02	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 08:02	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:02	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:02	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:02	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-08 27FT

Date Collected: 10/16/12 10:17
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:02	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:02	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:02	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:02	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:02	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:02	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:02	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:02	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 08:02	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 08:02	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 08:02	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:02	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 08:02	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:02	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 131*		*10/24/12 08:02*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/24/12 08:02*	*1*
4-Bromofluorobenzene (Surr)	*86*		*79 - 120*		*10/24/12 08:02*	*1*
Dibromofluoromethane	*111*		*74 - 123*		*10/24/12 08:02*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 85FT

Date Collected: 10/16/12 11:49
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 08:27	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 08:27	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 08:27	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 08:27	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 08:27	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 08:27	1
1,1-Dichloroethene	**0.022**		0.0010	0.00031	mg/L			10/24/12 08:27	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 08:27	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 08:27	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 08:27	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:27	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:27	1
1,1-Dichloroethane	**0.033**		0.0010	0.00019	mg/L			10/24/12 08:27	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:27	1
cis-1,2-Dichloroethene	**0.0041**		0.0010	0.00012	mg/L			10/24/12 08:27	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 08:27	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 08:27	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:27	1
1,1,1-Trichloroethane	**0.0048**		0.0010	0.00020	mg/L			10/24/12 08:27	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 08:27	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:27	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 08:27	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:27	1
Trichloroethene	**0.018**		0.00050	0.00019	mg/L			10/24/12 08:27	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:27	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 08:27	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:27	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:27	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 08:27	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 08:27	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:27	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:27	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:27	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:27	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 08:27	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:27	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 08:27	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:27	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:27	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 08:27	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:27	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 08:27	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 08:27	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:27	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:27	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:27	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 08:27	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 08:27	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:27	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:27	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:27	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 85FT

Date Collected: 10/16/12 11:49
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:27	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:27	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:27	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:27	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:27	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:27	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:27	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:27	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 08:27	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 08:27	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 08:27	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:27	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 08:27	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:27	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 131*		*10/24/12 08:27*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/24/12 08:27*	*1*
4-Bromofluorobenzene (Surr)	*85*		*79 - 120*		*10/24/12 08:27*	*1*
Dibromofluoromethane	*104*		*74 - 123*		*10/24/12 08:27*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 57FT

Date Collected: 10/16/12 12:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 08:53	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 08:53	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 08:53	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 08:53	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 08:53	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 08:53	1
1,1-Dichloroethene	**0.051**		0.0010	0.00031	mg/L			10/24/12 08:53	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 08:53	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 08:53	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 08:53	1
trans-1,2-Dichloroethene	**0.00068**	J	0.0010	0.00025	mg/L			10/24/12 08:53	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:53	1
1,1-Dichloroethane	**0.030**		0.0010	0.00019	mg/L			10/24/12 08:53	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:53	1
cis-1,2-Dichloroethene	**0.0062**		0.0010	0.00012	mg/L			10/24/12 08:53	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 08:53	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 08:53	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:53	1
1,1,1-Trichloroethane	**0.21**		0.0050	0.0010	mg/L			10/25/12 10:40	5
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 08:53	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:53	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 08:53	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:53	1
Trichloroethene	**0.093**		0.00050	0.00019	mg/L			10/24/12 08:53	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:53	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 08:53	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:53	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:53	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 08:53	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 08:53	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:53	1
1,1,2-Trichloroethane	**0.00047**	J	0.0010	0.00028	mg/L			10/24/12 08:53	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:53	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:53	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 08:53	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 08:53	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 08:53	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:53	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:53	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 08:53	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:53	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 08:53	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 08:53	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 08:53	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:53	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 08:53	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 08:53	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 08:53	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:53	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 08:53	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:53	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 57FT

Date Collected: 10/16/12 12:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 08:53	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:53	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 08:53	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:53	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:53	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 08:53	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 08:53	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 08:53	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 08:53	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 08:53	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 08:53	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 08:53	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 08:53	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 08:53	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 08:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 131*		*10/24/12 08:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 131*		*10/25/12 10:40*	*5*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/12 08:53*	*1*
Toluene-d8 (Surr)	*112*		*80 - 120*		*10/25/12 10:40*	*5*
4-Bromofluorobenzene (Surr)	*87*		*79 - 120*		*10/24/12 08:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*		*10/25/12 10:40*	*5*
Dibromofluoromethane	*105*		*74 - 123*		*10/24/12 08:53*	*1*
Dibromofluoromethane	*104*		*74 - 123*		*10/25/12 10:40*	*5*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 27FT

Date Collected: 10/16/12 13:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 09:18	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 09:18	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 09:18	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 09:18	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 09:18	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 09:18	1
1,1-Dichloroethene	**0.0031**		0.0010	0.00031	mg/L			10/24/12 09:18	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 09:18	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 09:18	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 09:18	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:18	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 09:18	1
1,1-Dichloroethane	**0.00095**	J	0.0010	0.00019	mg/L			10/24/12 09:18	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 09:18	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 09:18	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 09:18	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 09:18	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:18	1
1,1,1-Trichloroethane	**0.050**		0.0010	0.00020	mg/L			10/24/12 09:18	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 09:18	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:18	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 09:18	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:18	1
Trichloroethene	**0.027**		0.00050	0.00019	mg/L			10/24/12 09:18	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:18	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 09:18	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:18	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:18	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 09:18	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 09:18	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 09:18	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:18	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:18	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:18	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 09:18	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 09:18	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 09:18	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:18	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:18	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 09:18	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:18	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 09:18	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 09:18	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:18	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:18	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:18	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 09:18	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 09:18	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:18	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 09:18	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:18	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 27FT

Date Collected: 10/16/12 13:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:18	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:18	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:18	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:18	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:18	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:18	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:18	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:18	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 09:18	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 09:18	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 09:18	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:18	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 09:18	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 09:18	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 131*		*10/24/12 09:18*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/12 09:18*	*1*
4-Bromofluorobenzene (Surr)	*86*		*79 - 120*		*10/24/12 09:18*	*1*
Dibromofluoromethane	*107*		*74 - 123*		*10/24/12 09:18*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 85FT

Date Collected: 10/16/12 15:17
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010	*	0.0010	0.00020	mg/L			10/24/12 09:44	1
Chloromethane	<0.0010	*	0.0010	0.00018	mg/L			10/24/12 09:44	1
Vinyl chloride	<0.00050	*	0.00050	0.00010	mg/L			10/24/12 09:44	1
Bromomethane	<0.0010	*	0.0010	0.00031	mg/L			10/24/12 09:44	1
Chloroethane	<0.0010	*	0.0010	0.00034	mg/L			10/24/12 09:44	1
Trichlorofluoromethane	<0.0010	*	0.0010	0.00019	mg/L			10/24/12 09:44	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 09:44	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 09:44	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 09:44	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 09:44	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:44	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 09:44	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 09:44	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 09:44	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 09:44	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 09:44	1
Bromochloromethane	<0.0010	*	0.0010	0.00040	mg/L			10/24/12 09:44	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:44	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:44	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 09:44	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:44	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 09:44	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:44	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 09:44	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:44	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 09:44	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:44	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:44	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 09:44	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 09:44	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 09:44	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:44	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:44	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:44	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 09:44	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 09:44	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 09:44	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:44	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:44	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 09:44	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:44	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 09:44	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 09:44	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 09:44	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:44	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 09:44	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 09:44	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 09:44	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:44	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 09:44	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:44	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 85FT

Date Collected: 10/16/12 15:17
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 09:44	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:44	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 09:44	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:44	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:44	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 09:44	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 09:44	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 09:44	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 09:44	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 09:44	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 09:44	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 09:44	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 09:44	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 09:44	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 131*		*10/24/12 09:44*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/12 09:44*	*1*
4-Bromofluorobenzene (Surr)	*86*		*79 - 120*		*10/24/12 09:44*	*1*
Dibromofluoromethane	*105*		*74 - 123*		*10/24/12 09:44*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 57FT

Date Collected: 10/16/12 15:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:05	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:05	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/24/12 15:05	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:05	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/24/12 15:05	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 15:05	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:05	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 15:05	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 15:05	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 15:05	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:05	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 15:05	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 15:05	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 15:05	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 15:05	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 15:05	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/24/12 15:05	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:05	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:05	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 15:05	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:05	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 15:05	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:05	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 15:05	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:05	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 15:05	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:05	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:05	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 15:05	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 15:05	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 15:05	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:05	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:05	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:05	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 15:05	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 15:05	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 15:05	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:05	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:05	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 15:05	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:05	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 15:05	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 15:05	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:05	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:05	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:05	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 15:05	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 15:05	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:05	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 15:05	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:05	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 57FT

Date Collected: 10/16/12 15:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:05	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:05	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:05	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:05	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:05	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:05	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:05	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:05	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 15:05	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 15:05	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:05	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:05	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 15:05	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 15:05	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 131*		*10/24/12 15:05*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/24/12 15:05*	*1*
4-Bromofluorobenzene (Surr)	*91*		*79 - 120*		*10/24/12 15:05*	*1*
Dibromofluoromethane	*107*		*74 - 123*		*10/24/12 15:05*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 27FT

Date Collected: 10/16/12 16:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:31	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:31	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/24/12 15:31	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:31	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/24/12 15:31	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 15:31	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:31	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 15:31	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 15:31	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 15:31	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:31	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 15:31	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 15:31	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 15:31	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 15:31	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 15:31	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/24/12 15:31	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:31	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:31	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 15:31	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:31	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 15:31	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:31	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 15:31	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:31	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 15:31	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:31	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:31	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 15:31	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 15:31	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 15:31	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:31	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:31	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:31	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 15:31	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 15:31	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 15:31	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:31	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:31	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 15:31	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:31	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 15:31	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 15:31	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 15:31	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:31	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 15:31	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 15:31	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 15:31	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:31	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 15:31	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:31	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-16 27FT

Date Collected: 10/16/12 16:57
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 15:31	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:31	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 15:31	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:31	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:31	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 15:31	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 15:31	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 15:31	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 15:31	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 15:31	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 15:31	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 15:31	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 15:31	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 15:31	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 131*		*10/24/12 15:31*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*10/24/12 15:31*	*1*
4-Bromofluorobenzene (Surr)	*82*		*79 - 120*		*10/24/12 15:31*	*1*
Dibromofluoromethane	*98*		*74 - 123*		*10/24/12 15:31*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 80FT

Date Collected: 10/17/12 10:12
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:30	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:30	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 05:30	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:30	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 05:30	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 05:30	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:30	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 05:30	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 05:30	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 05:30	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:30	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 05:30	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 05:30	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 05:30	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 05:30	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 05:30	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 05:30	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:30	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:30	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 05:30	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:30	1
Benzene	**0.00016**	J	0.00050	0.000074	mg/L			10/25/12 05:30	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:30	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 05:30	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:30	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 05:30	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:30	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:30	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 05:30	1
Toluene	**0.00027**	J	0.00050	0.00011	mg/L			10/25/12 05:30	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 05:30	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:30	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:30	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:30	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 05:30	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 05:30	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 05:30	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:30	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:30	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 05:30	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:30	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 05:30	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 05:30	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:30	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:30	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:30	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 05:30	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 05:30	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:30	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 05:30	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:30	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 80FT

Date Collected: 10/17/12 10:12
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-11

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:30	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:30	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:30	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:30	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:30	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:30	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:30	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:30	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 05:30	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 05:30	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:30	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:30	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 05:30	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 05:30	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 131*		*10/25/12 05:30*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/25/12 05:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*79 - 120*		*10/25/12 05:30*	*1*
Dibromofluoromethane	*103*		*74 - 123*		*10/25/12 05:30*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 57FT

Date Collected: 10/17/12 10:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:55	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:55	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 05:55	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:55	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 05:55	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 05:55	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:55	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 05:55	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 05:55	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 05:55	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:55	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 05:55	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 05:55	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 05:55	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 05:55	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 05:55	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 05:55	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:55	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:55	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 05:55	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:55	1
Benzene	**0.00016**	J	0.00050	0.000074	mg/L			10/25/12 05:55	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:55	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 05:55	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:55	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 05:55	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:55	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:55	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 05:55	1
Toluene	**0.00029**	J	0.00050	0.00011	mg/L			10/25/12 05:55	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 05:55	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:55	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:55	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:55	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 05:55	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 05:55	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 05:55	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:55	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:55	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 05:55	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:55	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 05:55	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 05:55	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 05:55	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:55	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 05:55	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 05:55	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 05:55	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:55	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 05:55	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:55	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 57FT

Date Collected: 10/17/12 10:47
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-12

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 05:55	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:55	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 05:55	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:55	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:55	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 05:55	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 05:55	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 05:55	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 05:55	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 05:55	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 05:55	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 05:55	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 05:55	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 05:55	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 131*		*10/25/12 05:55*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/12 05:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*79 - 120*		*10/25/12 05:55*	*1*
Dibromofluoromethane	*109*		*74 - 123*		*10/25/12 05:55*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 27FT

Date Collected: 10/17/12 11:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-13

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:21	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:21	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 06:21	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 06:21	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 06:21	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 06:21	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 06:21	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 06:21	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 06:21	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 06:21	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:21	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 06:21	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 06:21	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 06:21	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 06:21	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 06:21	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 06:21	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:21	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:21	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 06:21	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:21	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 06:21	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:21	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 06:21	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:21	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 06:21	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:21	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:21	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 06:21	1
Toluene	**0.00025**	**J**	0.00050	0.00011	mg/L			10/25/12 06:21	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 06:21	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:21	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:21	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:21	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 06:21	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 06:21	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 06:21	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:21	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:21	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 06:21	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:21	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 06:21	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 06:21	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:21	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:21	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:21	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 06:21	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 06:21	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:21	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 06:21	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:21	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-17 27FT

Date Collected: 10/17/12 11:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-13

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:21	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:21	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:21	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:21	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:21	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:21	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:21	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:21	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 06:21	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 06:21	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 06:21	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:21	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 06:21	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 06:21	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 131*		*10/25/12 06:21*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/12 06:21*	*1*
4-Bromofluorobenzene (Surr)	*94*		*79 - 120*		*10/25/12 06:21*	*1*
Dibromofluoromethane	*102*		*74 - 123*		*10/25/12 06:21*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 80FT

Date Collected: 10/17/12 13:24
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:47	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:47	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 06:47	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 06:47	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 06:47	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 06:47	1
1,1-Dichloroethene	**0.00059**	J	0.0010	0.00031	mg/L			10/25/12 06:47	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 06:47	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 06:47	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 06:47	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:47	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 06:47	1
1,1-Dichloroethane	**0.00080**	J	0.0010	0.00019	mg/L			10/25/12 06:47	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 06:47	1
cis-1,2-Dichloroethene	**0.00069**	J	0.0010	0.00012	mg/L			10/25/12 06:47	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 06:47	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 06:47	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:47	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:47	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 06:47	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:47	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 06:47	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:47	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 06:47	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:47	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 06:47	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:47	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:47	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 06:47	1
Toluene	**0.00021**	J	0.00050	0.00011	mg/L			10/25/12 06:47	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 06:47	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:47	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:47	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:47	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 06:47	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 06:47	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 06:47	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:47	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:47	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 06:47	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:47	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 06:47	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 06:47	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 06:47	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:47	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 06:47	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 06:47	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 06:47	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:47	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 06:47	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:47	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 80FT

Date Collected: 10/17/12 13:24
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-14

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 06:47	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:47	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 06:47	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:47	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:47	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 06:47	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 06:47	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 06:47	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 06:47	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 06:47	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 06:47	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 06:47	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 06:47	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 06:47	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 131*		*10/25/12 06:47*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/25/12 06:47*	*1*
4-Bromofluorobenzene (Surr)	*90*		*79 - 120*		*10/25/12 06:47*	*1*
Dibromofluoromethane	*98*		*74 - 123*		*10/25/12 06:47*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 57FT

Date Collected: 10/17/12 14:34
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-15
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:13	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:13	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 07:13	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 07:13	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 07:13	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 07:13	1
1,1-Dichloroethene	**0.0015**		0.0010	0.00031	mg/L			10/25/12 07:13	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 07:13	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 07:13	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 07:13	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:13	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 07:13	1
1,1-Dichloroethane	**0.00081**	J	0.0010	0.00019	mg/L			10/25/12 07:13	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 07:13	1
cis-1,2-Dichloroethene	**0.0016**		0.0010	0.00012	mg/L			10/25/12 07:13	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 07:13	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 07:13	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:13	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:13	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 07:13	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:13	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 07:13	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:13	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 07:13	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:13	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 07:13	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:13	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:13	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 07:13	1
Toluene	**0.00023**	J	0.00050	0.00011	mg/L			10/25/12 07:13	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 07:13	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:13	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:13	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:13	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 07:13	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 07:13	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 07:13	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:13	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:13	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 07:13	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:13	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 07:13	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 07:13	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:13	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:13	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:13	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 07:13	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 07:13	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:13	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 07:13	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:13	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 57FT

Date Collected: 10/17/12 14:34
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-15

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:13	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:13	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:13	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:13	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:13	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:13	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:13	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:13	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 07:13	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 07:13	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 07:13	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:13	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 07:13	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 07:13	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 131*		*10/25/12 07:13*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/25/12 07:13*	*1*
4-Bromofluorobenzene (Surr)	*85*		*79 - 120*		*10/25/12 07:13*	*1*
Dibromofluoromethane	*103*		*74 - 123*		*10/25/12 07:13*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 27FT

Date Collected: 10/17/12 15:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:39	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:39	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 07:39	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 07:39	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 07:39	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 07:39	1
1,1-Dichloroethene	**0.00099**	**J**	0.0010	0.00031	mg/L			10/25/12 07:39	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 07:39	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 07:39	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 07:39	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:39	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 07:39	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 07:39	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 07:39	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 07:39	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 07:39	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 07:39	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:39	1
1,1,1-Trichloroethane	**0.017**		0.0010	0.00020	mg/L			10/25/12 07:39	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 07:39	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:39	1
Benzene	**0.00015**	**J**	0.00050	0.000074	mg/L			10/25/12 07:39	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:39	1
Trichloroethene	**0.0033**		0.00050	0.00019	mg/L			10/25/12 07:39	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:39	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 07:39	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:39	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:39	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 07:39	1
Toluene	**0.00021**	**J**	0.00050	0.00011	mg/L			10/25/12 07:39	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 07:39	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:39	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:39	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:39	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 07:39	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 07:39	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 07:39	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:39	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:39	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 07:39	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:39	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 07:39	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 07:39	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 07:39	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:39	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 07:39	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 07:39	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 07:39	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:39	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 07:39	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:39	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 27FT
Date Collected: 10/17/12 15:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-16
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 07:39	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:39	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 07:39	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:39	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:39	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 07:39	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 07:39	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 07:39	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 07:39	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 07:39	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 07:39	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 07:39	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 07:39	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 07:39	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 131*		*10/25/12 07:39*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*10/25/12 07:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*		*10/25/12 07:39*	*1*
Dibromofluoromethane	*106*		*74 - 123*		*10/25/12 07:39*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-19

Date Collected: 10/17/12 15:45
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:05	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:05	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 08:05	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:05	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 08:05	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 08:05	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:05	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 08:05	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 08:05	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 08:05	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:05	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:05	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 08:05	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:05	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 08:05	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 08:05	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 08:05	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:05	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:05	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 08:05	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:05	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 08:05	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:05	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 08:05	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:05	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 08:05	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:05	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:05	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 08:05	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 08:05	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:05	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:05	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:05	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:05	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 08:05	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:05	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 08:05	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:05	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:05	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 08:05	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:05	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 08:05	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 08:05	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:05	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:05	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:05	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 08:05	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 08:05	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:05	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:05	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:05	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-19

Date Collected: 10/17/12 15:45
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:05	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:05	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:05	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:05	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:05	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:05	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:05	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:05	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 08:05	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 08:05	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:05	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:05	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 08:05	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:05	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 131*		*10/25/12 08:05*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/12 08:05*	*1*
4-Bromofluorobenzene (Surr)	*88*		*79 - 120*		*10/25/12 08:05*	*1*
Dibromofluoromethane	*103*		*74 - 123*		*10/25/12 08:05*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 85FT

Date Collected: 10/17/12 17:07
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-18

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:30	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:30	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 08:30	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:30	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 08:30	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 08:30	1
1,1-Dichloroethene	**0.0025**		0.0010	0.00031	mg/L			10/25/12 08:30	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 08:30	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 08:30	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 08:30	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:30	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:30	1
1,1-Dichloroethane	**0.026**		0.0010	0.00019	mg/L			10/25/12 08:30	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:30	1
cis-1,2-Dichloroethene	**0.0053**		0.0010	0.00012	mg/L			10/25/12 08:30	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 08:30	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 08:30	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:30	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:30	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 08:30	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:30	1
Benzene	**0.00020**	J	0.00050	0.000074	mg/L			10/25/12 08:30	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:30	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 08:30	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:30	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 08:30	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:30	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:30	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 08:30	1
Toluene	**0.00040**	J	0.00050	0.00011	mg/L			10/25/12 08:30	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:30	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:30	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:30	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:30	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 08:30	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:30	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 08:30	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:30	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:30	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 08:30	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:30	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 08:30	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 08:30	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:30	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:30	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:30	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 08:30	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 08:30	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:30	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:30	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:30	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 85FT
Date Collected: 10/17/12 17:07
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-18
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:30	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:30	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:30	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:30	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:30	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:30	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:30	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:30	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 08:30	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 08:30	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:30	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:30	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 08:30	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:30	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 131*		*10/25/12 08:30*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/12 08:30*	*1*
4-Bromofluorobenzene (Surr)	*93*		*79 - 120*		*10/25/12 08:30*	*1*
Dibromofluoromethane	*106*		*74 - 123*		*10/25/12 08:30*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 57FT

Date Collected: 10/18/12 08:42
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-19

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:56	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:56	1
Vinyl chloride	**0.00025**	J	0.00050	0.00010	mg/L			10/25/12 08:56	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:56	1
Chloroethane	**0.00064**	J	0.0010	0.00034	mg/L			10/25/12 08:56	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 08:56	1
1,1-Dichloroethene	**0.0017**		0.0010	0.00031	mg/L			10/25/12 08:56	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 08:56	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 08:56	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 08:56	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:56	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:56	1
1,1-Dichloroethane	**0.0068**		0.0010	0.00019	mg/L			10/25/12 08:56	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:56	1
cis-1,2-Dichloroethene	**0.0022**		0.0010	0.00012	mg/L			10/25/12 08:56	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 08:56	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 08:56	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:56	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:56	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 08:56	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:56	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 08:56	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:56	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 08:56	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:56	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 08:56	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:56	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:56	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 08:56	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 08:56	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:56	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:56	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:56	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:56	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 08:56	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 08:56	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 08:56	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:56	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:56	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 08:56	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:56	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 08:56	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 08:56	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 08:56	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:56	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 08:56	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 08:56	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 08:56	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:56	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 08:56	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:56	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 57FT
Date Collected: 10/18/12 08:42
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-19
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 08:56	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:56	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 08:56	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:56	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:56	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 08:56	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 08:56	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 08:56	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 08:56	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 08:56	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 08:56	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 08:56	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 08:56	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 08:56	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 08:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 131*		*10/25/12 08:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/25/12 08:56*	*1*
4-Bromofluorobenzene (Surr)	*91*		*79 - 120*		*10/25/12 08:56*	*1*
Dibromofluoromethane	*106*		*74 - 123*		*10/25/12 08:56*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 27FT

Date Collected: 10/18/12 09:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:22	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:22	1
Vinyl chloride	**0.00036**	J	0.00050	0.00010	mg/L			10/25/12 09:22	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:22	1
Chloroethane	**0.00077**	J	0.0010	0.00034	mg/L			10/25/12 09:22	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 09:22	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:22	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 09:22	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 09:22	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 09:22	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:22	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 09:22	1
1,1-Dichloroethane	**0.00069**	J	0.0010	0.00019	mg/L			10/25/12 09:22	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 09:22	1
cis-1,2-Dichloroethene	**0.00068**	J	0.0010	0.00012	mg/L			10/25/12 09:22	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 09:22	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 09:22	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:22	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:22	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 09:22	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:22	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 09:22	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:22	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 09:22	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:22	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 09:22	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:22	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:22	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 09:22	1
Toluene	**0.00014**	J	0.00050	0.00011	mg/L			10/25/12 09:22	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 09:22	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:22	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:22	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:22	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 09:22	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 09:22	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 09:22	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:22	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:22	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 09:22	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:22	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 09:22	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 09:22	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:22	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:22	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:22	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 09:22	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 09:22	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:22	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 09:22	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:22	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-20 27FT
Date Collected: 10/18/12 09:27
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-20
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:22	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:22	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:22	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:22	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:22	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:22	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:22	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:22	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 09:22	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 09:22	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:22	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:22	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 09:22	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 09:22	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 131*		*10/25/12 09:22*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/25/12 09:22*	*1*
4-Bromofluorobenzene (Surr)	*85*		*79 - 120*		*10/25/12 09:22*	*1*
Dibromofluoromethane	*103*		*74 - 123*		*10/25/12 09:22*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-20

Date Collected: 10/18/12 10:00
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-21
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:48	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:48	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 09:48	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:48	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 09:48	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 09:48	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:48	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 09:48	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 09:48	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 09:48	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:48	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 09:48	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 09:48	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 09:48	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 09:48	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 09:48	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 09:48	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:48	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:48	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 09:48	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:48	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 09:48	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:48	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 09:48	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:48	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 09:48	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:48	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:48	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 09:48	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 09:48	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 09:48	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:48	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:48	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:48	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 09:48	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 09:48	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 09:48	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:48	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:48	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 09:48	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:48	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 09:48	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 09:48	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 09:48	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:48	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 09:48	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 09:48	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 09:48	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:48	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 09:48	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:48	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-20

Date Collected: 10/18/12 10:00
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-21

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 09:48	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:48	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 09:48	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:48	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:48	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 09:48	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 09:48	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 09:48	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 09:48	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 09:48	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 09:48	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 09:48	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 09:48	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 09:48	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 131*		*10/25/12 09:48*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/25/12 09:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*79 - 120*		*10/25/12 09:48*	*1*
Dibromofluoromethane	*104*		*74 - 123*		*10/25/12 09:48*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-08

Date Collected: 10/16/12 10:30
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-22
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 10:14	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 10:14	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 10:14	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 10:14	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 10:14	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 10:14	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 10:14	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 10:14	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 10:14	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 10:14	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 10:14	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 10:14	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 10:14	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 10:14	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 10:14	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 10:14	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 10:14	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 10:14	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 10:14	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 10:14	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 10:14	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 10:14	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 10:14	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 10:14	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 10:14	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 10:14	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 10:14	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 10:14	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 10:14	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 10:14	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 10:14	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 10:14	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 10:14	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 10:14	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 10:14	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 10:14	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 10:14	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 10:14	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 10:14	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 10:14	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 10:14	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 10:14	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 10:14	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 10:14	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 10:14	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 10:14	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 10:14	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 10:14	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 10:14	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 10:14	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 10:14	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-08

Date Collected: 10/16/12 10:30
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-22

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 10:14	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 10:14	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 10:14	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 10:14	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 10:14	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 10:14	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 10:14	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 10:14	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 10:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 10:14	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 10:14	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 10:14	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 10:14	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 10:14	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 131*		*10/25/12 10:14*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/25/12 10:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*79 - 120*		*10/25/12 10:14*	*1*
Dibromofluoromethane	*104*		*74 - 123*		*10/25/12 10:14*	*1*

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Trip Blank

Date Collected: 10/15/12 00:00
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-23
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 15:12	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 15:12	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 15:12	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 15:12	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 15:12	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 15:12	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 15:12	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 15:12	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 15:12	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 15:12	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 15:12	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 15:12	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 15:12	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 15:12	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 15:12	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 15:12	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 15:12	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 15:12	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 15:12	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 15:12	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 15:12	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 15:12	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 15:12	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 15:12	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 15:12	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 15:12	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 15:12	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 15:12	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 15:12	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 15:12	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 15:12	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 15:12	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 15:12	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 15:12	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 15:12	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 15:12	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 15:12	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 15:12	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 15:12	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 15:12	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 15:12	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 15:12	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 15:12	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 15:12	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 15:12	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 15:12	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 15:12	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 15:12	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 15:12	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 15:12	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 15:12	1

Client Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Trip Blank

Date Collected: 10/15/12 00:00
Date Received: 10/19/12 09:50

Lab Sample ID: 500-51524-23

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 15:12	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 15:12	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 15:12	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 15:12	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 15:12	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 15:12	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 15:12	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 15:12	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 15:12	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 15:12	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 15:12	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 15:12	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 15:12	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 15:12	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 131*		*10/25/12 15:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/25/12 15:12*	*1*
4-Bromofluorobenzene (Surr)	*91*		*79 - 120*		*10/25/12 15:12*	*1*
Dibromofluoromethane	*92*		*74 - 123*		*10/25/12 15:12*	*1*

Definitions/Glossary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

GC/MS VOA

Analysis Batch: 166940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-51524-1	Decon GP-22	Total/NA	Water	8260B	
500-51524-2	GP-08 85FT	Total/NA	Water	8260B	
500-51524-3	GP-08 57FT	Total/NA	Water	8260B	
500-51524-4	GP-08 27FT	Total/NA	Water	8260B	
500-51524-5	GP-03 85FT	Total/NA	Water	8260B	
500-51524-6	GP-03 57FT	Total/NA	Water	8260B	
500-51524-7	GP-03 27FT	Total/NA	Water	8260B	
500-51524-8	GP-16 85FT	Total/NA	Water	8260B	
LCS 500-166940/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 500-166940/27	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 500-166940/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 167116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-51524-9	GP-16 57FT	Total/NA	Water	8260B	
500-51524-10	GP-16 27FT	Total/NA	Water	8260B	
LCS 500-167116/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-167116/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 167154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-51524-6	GP-03 57FT	Total/NA	Water	8260B	
500-51524-11	GP-17 80FT	Total/NA	Water	8260B	
500-51524-12	GP-17 57FT	Total/NA	Water	8260B	
500-51524-13	GP-17 27FT	Total/NA	Water	8260B	
500-51524-14	GP-19 80FT	Total/NA	Water	8260B	
500-51524-15	GP-19 57FT	Total/NA	Water	8260B	
500-51524-16	GP-19 27FT	Total/NA	Water	8260B	
500-51524-17	Decon GP-19	Total/NA	Water	8260B	
500-51524-18	GP-20 85FT	Total/NA	Water	8260B	
500-51524-19	GP-20 57FT	Total/NA	Water	8260B	
500-51524-20	GP-20 27FT	Total/NA	Water	8260B	
500-51524-21	Decon GP-20	Total/NA	Water	8260B	
500-51524-22	Decon GP-08	Total/NA	Water	8260B	
500-51524-22 MS	Decon GP-08	Total/NA	Water	8260B	
500-51524-22 MSD	Decon GP-08	Total/NA	Water	8260B	
LCS 500-167154/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-167154/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 167274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-51524-23	Trip Blank	Total/NA	Water	8260B	
LCS 500-167274/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-167274/6	Method Blank	Total/NA	Water	8260B	

Surrogate Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-131)	TOL (80-120)	BFB (79-120)	DBFM (74-123)
500-51524-1	Decon GP-22	110	104	92	105
500-51524-2	GP-08 85FT	109	102	90	108
500-51524-3	GP-08 57FT	108	101	93	109
500-51524-4	GP-08 27FT	111	98	86	111
500-51524-5	GP-03 85FT	103	96	85	104
500-51524-6	GP-03 57FT	108	100	87	105
500-51524-6	GP-03 57FT	112	112	99	104
500-51524-7	GP-03 27FT	108	100	86	107
500-51524-8	GP-16 85FT	104	97	86	105
500-51524-9	GP-16 57FT	109	99	91	107
500-51524-10	GP-16 27FT	99	89	82	98
500-51524-11	GP-17 80FT	108	103	95	103
500-51524-12	GP-17 57FT	111	104	96	109
500-51524-13	GP-17 27FT	105	102	94	102
500-51524-14	GP-19 80FT	101	97	90	98
500-51524-15	GP-19 57FT	100	97	85	103
500-51524-16	GP-19 27FT	112	108	100	106
500-51524-17	Decon GP-19	107	101	88	103
500-51524-18	GP-20 85FT	105	102	93	106
500-51524-19	GP-20 57FT	109	102	91	106
500-51524-20	GP-20 27FT	102	96	85	103
500-51524-21	Decon GP-20	104	101	92	104
500-51524-22	Decon GP-08	110	104	95	104
500-51524-22 MS	Decon GP-08	102	100	95	103
500-51524-22 MSD	Decon GP-08	95	95	88	103
500-51524-23	Trip Blank	99	98	91	92
LCS 500-166940/4	Lab Control Sample	105	105	98	109
LCS 500-167116/4	Lab Control Sample	102	103	99	103
LCS 500-167154/4	Lab Control Sample	103	103	96	109
LCS 500-167274/4	Lab Control Sample	96	100	101	97
LCSD 500-166940/27	Lab Control Sample Dup	100	102	100	100
MB 500-166940/6	Method Blank	103	100	90	104
MB 500-167116/6	Method Blank	105	100	95	99
MB 500-167154/6	Method Blank	110	107	97	108
MB 500-167274/6	Method Blank	101	99	91	96

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-166940/6
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 02:01	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/24/12 02:01	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/24/12 02:01	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/24/12 02:01	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/24/12 02:01	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 02:01	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 02:01	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 02:01	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 02:01	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 02:01	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 02:01	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 02:01	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 02:01	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 02:01	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 02:01	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 02:01	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/24/12 02:01	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 02:01	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 02:01	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 02:01	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 02:01	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 02:01	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 02:01	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 02:01	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 02:01	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 02:01	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 02:01	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 02:01	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 02:01	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 02:01	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 02:01	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 02:01	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 02:01	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 02:01	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 02:01	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 02:01	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 02:01	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 02:01	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 02:01	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 02:01	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 02:01	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 02:01	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 02:01	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 02:01	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 02:01	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 02:01	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 02:01	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 02:01	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 02:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-166940/6
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 02:01	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 02:01	1
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 02:01	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 02:01	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 02:01	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 02:01	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 02:01	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 02:01	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 02:01	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 02:01	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 02:01	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 02:01	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 02:01	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 02:01	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 02:01	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 02:01	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 02:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 131*		*10/24/12 02:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/12 02:01*	*1*
4-Bromofluorobenzene (Surr)	*90*		*79 - 120*		*10/24/12 02:01*	*1*
Dibromofluoromethane	*104*		*74 - 123*		*10/24/12 02:01*	*1*

Lab Sample ID: LCS 500-166940/4
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0500	0.0474		mg/L		95	43 - 139
Chloromethane	0.0500	0.0562		mg/L		112	56 - 144
Vinyl chloride	0.0500	0.0647		mg/L		129	51 - 149
Bromomethane	0.0500	0.0645		mg/L		129	47 - 158
Chloroethane	0.0500	0.0536		mg/L		107	54 - 143
Trichlorofluoromethane	0.0500	0.0586		mg/L		117	66 - 126
1,1-Dichloroethene	0.0500	0.0373		mg/L		75	58 - 115
Carbon disulfide	0.0500	0.0336		mg/L		67	50 - 120
Acetone	0.0500	0.0486		mg/L		97	41 - 163
Methylene Chloride	0.0500	0.0450		mg/L		90	63 - 130
trans-1,2-Dichloroethene	0.0500	0.0438		mg/L		88	74 - 119
Methyl tert-butyl ether	0.0500	0.0536		mg/L		107	60 - 125
1,1-Dichloroethane	0.0500	0.0449		mg/L		90	66 - 118
2,2-Dichloropropane	0.0500	0.0446		mg/L		89	70 - 117
cis-1,2-Dichloroethene	0.0500	0.0463		mg/L		93	75 - 119
Methyl Ethyl Ketone	0.0500	0.0453		mg/L		91	53 - 140
Bromochloromethane	0.0500	0.0553		mg/L		111	72 - 119
Chloroform	0.0500	0.0478		mg/L		96	76 - 117
1,1,1-Trichloroethane	0.0500	0.0465		mg/L		93	77 - 117
1,1-Dichloropropene	0.0500	0.0419		mg/L		84	71 - 113

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-166940/4
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0421		mg/L		84	72 - 124
Benzene	0.0500	0.0424		mg/L		85	74 - 115
1,2-Dichloroethane	0.0500	0.0437		mg/L		87	76 - 117
Trichloroethene	0.0500	0.0435		mg/L		87	75 - 120
1,2-Dichloropropane	0.0500	0.0451		mg/L		90	77 - 118
Dibromomethane	0.0500	0.0448		mg/L		90	76 - 120
Bromodichloromethane	0.0500	0.0456		mg/L		91	79 - 117
cis-1,3-Dichloropropene	0.0538	0.0533		mg/L		99	71 - 112
methyl isobutyl ketone	0.0500	0.0542		mg/L		108	59 - 134
Toluene	0.0500	0.0445		mg/L		89	80 - 120
trans-1,3-Dichloropropene	0.0486	0.0486		mg/L		100	66 - 116
1,1,2-Trichloroethane	0.0500	0.0489		mg/L		98	78 - 121
Tetrachloroethene	0.0500	0.0439		mg/L		88	71 - 120
1,3-Dichloropropane	0.0500	0.0480		mg/L		96	79 - 114
2-Hexanone	0.0500	0.0552		mg/L		110	60 - 134
Dibromochloromethane	0.0500	0.0502		mg/L		100	73 - 120
1,2-Dibromoethane	0.0500	0.0487		mg/L		97	79 - 120
Chlorobenzene	0.0500	0.0421		mg/L		84	80 - 120
1,1,1,2-Tetrachloroethane	0.0500	0.0456		mg/L		91	80 - 120
Ethylbenzene	0.0500	0.0442		mg/L		88	79 - 115
m&p-Xylene	0.100	0.0875		mg/L		87	78 - 120
o-Xylene	0.0500	0.0409		mg/L		82	78 - 120
Styrene	0.0500	0.0460		mg/L		92	80 - 120
Bromoform	0.0500	0.0510		mg/L		102	64 - 127
Isopropylbenzene	0.0500	0.0466		mg/L		93	68 - 120
Bromobenzene	0.0500	0.0501		mg/L		100	80 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0581		mg/L		116	78 - 123
1,2,3-Trichloropropane	0.0500	0.0533		mg/L		107	77 - 119
N-Propylbenzene	0.0500	0.0453		mg/L		91	77 - 114
2-Chlorotoluene	0.0500	0.0457		mg/L		91	80 - 120
1,3,5-Trimethylbenzene	0.0500	0.0497		mg/L		99	83 - 120
4-Chlorotoluene	0.0500	0.0443		mg/L		89	80 - 120
tert-Butylbenzene	0.0500	0.0479		mg/L		96	80 - 120
1,2,4-Trimethylbenzene	0.0500	0.0479		mg/L		96	80 - 120
sec-Butylbenzene	0.0500	0.0458		mg/L		92	79 - 117
1,3-Dichlorobenzene	0.0500	0.0433		mg/L		87	80 - 120
p-Isopropyltoluene	0.0500	0.0436		mg/L		87	77 - 120
1,4-Dichlorobenzene	0.0500	0.0450		mg/L		90	80 - 120
n-Butylbenzene	0.0500	0.0441		mg/L		88	78 - 119
1,2-Dichlorobenzene	0.0500	0.0455		mg/L		91	80 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0524		mg/L		105	53 - 133
1,2,4-Trichlorobenzene	0.0500	0.0380		mg/L		76	70 - 118
Hexachlorobutadiene	0.0500	0.0433		mg/L		87	71 - 128
Naphthalene	0.0500	0.0464		mg/L		93	72 - 127
1,2,3-Trichlorobenzene	0.0500	0.0407		mg/L		81	74 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 131*
Toluene-d8 (Surr)	*105*		*80 - 120*

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-166940/4
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*79 - 120*
Dibromofluoromethane	*109*		*74 - 123*

Lab Sample ID: LCSD 500-166940/27
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	0.0500	0.0351	*	mg/L		70	43 - 139	30	20
Chloromethane	0.0500	0.0433	*	mg/L		87	56 - 144	26	20
Vinyl chloride	0.0500	0.0497	*	mg/L		99	51 - 149	26	20
Bromomethane	0.0500	0.0397	*	mg/L		79	47 - 158	48	20
Chloroethane	0.0500	0.0412	*	mg/L		82	54 - 143	26	20
Trichlorofluoromethane	0.0500	0.0443	*	mg/L		89	66 - 126	28	20
1,1-Dichloroethene	0.0500	0.0354		mg/L		71	58 - 115	5	20
Carbon disulfide	0.0500	0.0327		mg/L		65	50 - 120	3	20
Acetone	0.0500	0.0512		mg/L		102	41 - 163	5	20
Methylene Chloride	0.0500	0.0425		mg/L		85	63 - 130	6	20
trans-1,2-Dichloroethene	0.0500	0.0428		mg/L		86	74 - 119	2	20
Methyl tert-butyl ether	0.0500	0.0445		mg/L		89	60 - 125	19	20
1,1-Dichloroethane	0.0500	0.0431		mg/L		86	66 - 118	4	20
2,2-Dichloropropane	0.0500	0.0436		mg/L		87	70 - 117	2	20
cis-1,2-Dichloroethene	0.0500	0.0438		mg/L		88	75 - 119	5	20
Methyl Ethyl Ketone	0.0500	0.0505		mg/L		101	53 - 140	11	20
Bromochloromethane	0.0500	0.0442	*	mg/L		88	72 - 119	22	20
Chloroform	0.0500	0.0464		mg/L		93	76 - 117	3	20
1,1,1-Trichloroethane	0.0500	0.0450		mg/L		90	77 - 117	3	20
1,1-Dichloropropene	0.0500	0.0425		mg/L		85	71 - 113	1	20
Carbon tetrachloride	0.0500	0.0425		mg/L		85	72 - 124	1	20
Benzene	0.0500	0.0426		mg/L		85	74 - 115	0	20
1,2-Dichloroethane	0.0500	0.0446		mg/L		89	76 - 117	2	20
Trichloroethene	0.0500	0.0448		mg/L		90	75 - 120	3	20
1,2-Dichloropropane	0.0500	0.0464		mg/L		93	77 - 118	3	20
Dibromomethane	0.0500	0.0464		mg/L		93	76 - 120	3	20
Bromodichloromethane	0.0500	0.0465		mg/L		93	79 - 117	2	20
cis-1,3-Dichloropropene	0.0538	0.0521		mg/L		97	71 - 112	2	20
methyl isobutyl ketone	0.0500	0.0538		mg/L		108	59 - 134	1	20
Toluene	0.0500	0.0457		mg/L		91	80 - 120	3	20
trans-1,3-Dichloropropene	0.0486	0.0479		mg/L		99	66 - 116	1	20
1,1,2-Trichloroethane	0.0500	0.0483		mg/L		97	78 - 121	1	20
Tetrachloroethene	0.0500	0.0480		mg/L		96	71 - 120	9	20
1,3-Dichloropropane	0.0500	0.0493		mg/L		99	79 - 114	3	20
2-Hexanone	0.0500	0.0571		mg/L		114	60 - 134	3	20
Dibromochloromethane	0.0500	0.0510		mg/L		102	73 - 120	2	20
1,2-Dibromoethane	0.0500	0.0475		mg/L		95	79 - 120	2	20
Chlorobenzene	0.0500	0.0439		mg/L		88	80 - 120	4	20
1,1,1,2-Tetrachloroethane	0.0500	0.0475		mg/L		95	80 - 120	4	20
Ethylbenzene	0.0500	0.0469		mg/L		94	79 - 115	6	20
m&p-Xylene	0.100	0.0929		mg/L		93	78 - 120	6	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 500-166940/27
Matrix: Water
Analysis Batch: 166940

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	0.0500	0.0435		mg/L		87	78 - 120	6	20
Styrene	0.0500	0.0484		mg/L		97	80 - 120	5	20
Bromoform	0.0500	0.0520		mg/L		104	64 - 127	2	20
Isopropylbenzene	0.0500	0.0463		mg/L		93	68 - 120	1	20
Bromobenzene	0.0500	0.0482		mg/L		96	80 - 120	4	20
1,1,2,2-Tetrachloroethane	0.0500	0.0535		mg/L		107	78 - 123	8	20
1,2,3-Trichloropropane	0.0500	0.0509		mg/L		102	77 - 119	5	20
N-Propylbenzene	0.0500	0.0458		mg/L		92	77 - 114	1	20
2-Chlorotoluene	0.0500	0.0456		mg/L		91	80 - 120	0	20
1,3,5-Trimethylbenzene	0.0500	0.0498		mg/L		100	83 - 120	0	20
4-Chlorotoluene	0.0500	0.0447		mg/L		89	80 - 120	1	20
tert-Butylbenzene	0.0500	0.0463		mg/L		93	80 - 120	3	20
1,2,4-Trimethylbenzene	0.0500	0.0484		mg/L		97	80 - 120	1	20
sec-Butylbenzene	0.0500	0.0466		mg/L		93	79 - 117	2	20
1,3-Dichlorobenzene	0.0500	0.0448		mg/L		90	80 - 120	3	20
p-Isopropyltoluene	0.0500	0.0453		mg/L		91	77 - 120	4	20
1,4-Dichlorobenzene	0.0500	0.0470		mg/L		94	80 - 120	4	20
n-Butylbenzene	0.0500	0.0485		mg/L		97	78 - 119	10	20
1,2-Dichlorobenzene	0.0500	0.0453		mg/L		91	80 - 120	0	20
1,2-Dibromo-3-Chloropropane	0.0500	0.0495		mg/L		99	53 - 133	6	20
1,2,4-Trichlorobenzene	0.0500	0.0444		mg/L		89	70 - 118	15	20
Hexachlorobutadiene	0.0500	0.0477		mg/L		95	71 - 128	10	20
Naphthalene	0.0500	0.0477		mg/L		95	72 - 127	3	20
1,2,3-Trichlorobenzene	0.0500	0.0469		mg/L		94	74 - 126	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*79 - 120*
Dibromofluoromethane	*100*		*74 - 123*

Lab Sample ID: MB 500-167116/6
Matrix: Water
Analysis Batch: 167116

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 14:39	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/24/12 14:39	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/24/12 14:39	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/24/12 14:39	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/24/12 14:39	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 14:39	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/24/12 14:39	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/24/12 14:39	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/24/12 14:39	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/24/12 14:39	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/24/12 14:39	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/24/12 14:39	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/24/12 14:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-167116/6
Matrix: Water
Analysis Batch: 167116

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/24/12 14:39	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/24/12 14:39	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/24/12 14:39	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/24/12 14:39	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/24/12 14:39	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/24/12 14:39	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/24/12 14:39	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/24/12 14:39	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/24/12 14:39	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 14:39	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/24/12 14:39	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/24/12 14:39	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/24/12 14:39	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/24/12 14:39	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/24/12 14:39	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/24/12 14:39	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/24/12 14:39	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/24/12 14:39	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/24/12 14:39	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/24/12 14:39	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/24/12 14:39	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/24/12 14:39	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/24/12 14:39	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/24/12 14:39	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 14:39	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/24/12 14:39	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/24/12 14:39	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/24/12 14:39	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/24/12 14:39	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/24/12 14:39	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/24/12 14:39	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 14:39	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/24/12 14:39	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/24/12 14:39	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/24/12 14:39	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 14:39	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/24/12 14:39	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/24/12 14:39	1
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/24/12 14:39	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 14:39	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/24/12 14:39	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 14:39	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 14:39	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/24/12 14:39	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/24/12 14:39	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/24/12 14:39	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/24/12 14:39	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/24/12 14:39	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/24/12 14:39	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/24/12 14:39	1

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-167116/6
Matrix: Water
Analysis Batch: 167116

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/24/12 14:39	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/24/12 14:39	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/24/12 14:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 131*		*10/24/12 14:39*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/12 14:39*	*1*
4-Bromofluorobenzene (Surr)	*95*		*79 - 120*		*10/24/12 14:39*	*1*
Dibromofluoromethane	*99*		*74 - 123*		*10/24/12 14:39*	*1*

Lab Sample ID: LCS 500-167116/4
Matrix: Water
Analysis Batch: 167116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0500	0.0334		mg/L		67	43 - 139
Chloromethane	0.0500	0.0425		mg/L		85	56 - 144
Vinyl chloride	0.0500	0.0492		mg/L		98	51 - 149
Bromomethane	0.0500	0.0402		mg/L		80	47 - 158
Chloroethane	0.0500	0.0408		mg/L		82	54 - 143
Trichlorofluoromethane	0.0500	0.0436		mg/L		87	66 - 126
1,1-Dichloroethene	0.0500	0.0345		mg/L		69	58 - 115
Carbon disulfide	0.0500	0.0310		mg/L		62	50 - 120
Acetone	0.0500	0.0502		mg/L		100	41 - 163
Methylene Chloride	0.0500	0.0418		mg/L		84	63 - 130
trans-1,2-Dichloroethene	0.0500	0.0414		mg/L		83	74 - 119
Methyl tert-butyl ether	0.0500	0.0442		mg/L		88	60 - 125
1,1-Dichloroethane	0.0500	0.0423		mg/L		85	66 - 118
2,2-Dichloropropane	0.0500	0.0427		mg/L		85	70 - 117
cis-1,2-Dichloroethene	0.0500	0.0445		mg/L		89	75 - 119
Methyl Ethyl Ketone	0.0500	0.0495		mg/L		99	53 - 140
Bromochloromethane	0.0500	0.0462		mg/L		92	72 - 119
Chloroform	0.0500	0.0459		mg/L		92	76 - 117
1,1,1-Trichloroethane	0.0500	0.0436		mg/L		87	77 - 117
1,1-Dichloropropene	0.0500	0.0414		mg/L		83	71 - 113
Carbon tetrachloride	0.0500	0.0403		mg/L		81	72 - 124
Benzene	0.0500	0.0415		mg/L		83	74 - 115
1,2-Dichloroethane	0.0500	0.0440		mg/L		88	76 - 117
Trichloroethene	0.0500	0.0441		mg/L		88	75 - 120
1,2-Dichloropropane	0.0500	0.0458		mg/L		92	77 - 118
Dibromomethane	0.0500	0.0465		mg/L		93	76 - 120
Bromodichloromethane	0.0500	0.0460		mg/L		92	79 - 117
cis-1,3-Dichloropropene	0.0538	0.0525		mg/L		98	71 - 112
methyl isobutyl ketone	0.0500	0.0546		mg/L		109	59 - 134
Toluene	0.0500	0.0445		mg/L		89	80 - 120
trans-1,3-Dichloropropene	0.0486	0.0493		mg/L		101	66 - 116
1,1,2-Trichloroethane	0.0500	0.0489		mg/L		98	78 - 121
Tetrachloroethene	0.0500	0.0446		mg/L		89	71 - 120
1,3-Dichloropropane	0.0500	0.0468		mg/L		94	79 - 114

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-167116/4
Matrix: Water
Analysis Batch: 167116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	0.0500	0.0581		mg/L		116	60 - 134
Dibromochloromethane	0.0500	0.0490		mg/L		98	73 - 120
1,2-Dibromoethane	0.0500	0.0484		mg/L		97	79 - 120
Chlorobenzene	0.0500	0.0421		mg/L		84	80 - 120
1,1,1,2-Tetrachloroethane	0.0500	0.0459		mg/L		92	80 - 120
Ethylbenzene	0.0500	0.0441		mg/L		88	79 - 115
m&p-Xylene	0.100	0.0874		mg/L		87	78 - 120
o-Xylene	0.0500	0.0412		mg/L		82	78 - 120
Styrene	0.0500	0.0459		mg/L		92	80 - 120
Bromoform	0.0500	0.0509		mg/L		102	64 - 127
Isopropylbenzene	0.0500	0.0436		mg/L		87	68 - 120
Bromobenzene	0.0500	0.0463		mg/L		93	80 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0532		mg/L		106	78 - 123
1,2,3-Trichloropropane	0.0500	0.0500		mg/L		100	77 - 119
N-Propylbenzene	0.0500	0.0429		mg/L		86	77 - 114
2-Chlorotoluene	0.0500	0.0434		mg/L		87	80 - 120
1,3,5-Trimethylbenzene	0.0500	0.0471		mg/L		94	83 - 120
4-Chlorotoluene	0.0500	0.0426		mg/L		85	80 - 120
tert-Butylbenzene	0.0500	0.0437		mg/L		87	80 - 120
1,2,4-Trimethylbenzene	0.0500	0.0465		mg/L		93	80 - 120
sec-Butylbenzene	0.0500	0.0434		mg/L		87	79 - 117
1,3-Dichlorobenzene	0.0500	0.0429		mg/L		86	80 - 120
p-Isopropyltoluene	0.0500	0.0428		mg/L		86	77 - 120
1,4-Dichlorobenzene	0.0500	0.0453		mg/L		91	80 - 120
n-Butylbenzene	0.0500	0.0456		mg/L		91	78 - 119
1,2-Dichlorobenzene	0.0500	0.0440		mg/L		88	80 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0472		mg/L		94	53 - 133
1,2,4-Trichlorobenzene	0.0500	0.0447		mg/L		89	70 - 118
Hexachlorobutadiene	0.0500	0.0458		mg/L		92	71 - 128
Naphthalene	0.0500	0.0488		mg/L		98	72 - 127
1,2,3-Trichlorobenzene	0.0500	0.0490		mg/L		98	74 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 131*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*79 - 120*
Dibromofluoromethane	*103*		*74 - 123*

Lab Sample ID: MB 500-167154/6
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 03:47	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 03:47	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 03:47	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 03:47	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 03:47	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 03:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-167154/6
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 03:47	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 03:47	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 03:47	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 03:47	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 03:47	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 03:47	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 03:47	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 03:47	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 03:47	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 03:47	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 03:47	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 03:47	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 03:47	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 03:47	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 03:47	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 03:47	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 03:47	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 03:47	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 03:47	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 03:47	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 03:47	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 03:47	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 03:47	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 03:47	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 03:47	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 03:47	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 03:47	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 03:47	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 03:47	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 03:47	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 03:47	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 03:47	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 03:47	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 03:47	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 03:47	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 03:47	1
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 03:47	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 03:47	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 03:47	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 03:47	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 03:47	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 03:47	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 03:47	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 03:47	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 03:47	1
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 03:47	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 03:47	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 03:47	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 03:47	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 03:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-167154/6
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 03:47	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 03:47	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 03:47	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 03:47	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 03:47	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 03:47	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 03:47	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 03:47	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 03:47	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 03:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 131*		*10/25/12 03:47*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/25/12 03:47*	*1*
4-Bromofluorobenzene (Surr)	*97*		*79 - 120*		*10/25/12 03:47*	*1*
Dibromofluoromethane	*108*		*74 - 123*		*10/25/12 03:47*	*1*

Lab Sample ID: LCS 500-167154/4
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0500	0.0370		mg/L		74	43 - 139
Chloromethane	0.0500	0.0465		mg/L		93	56 - 144
Vinyl chloride	0.0500	0.0538		mg/L		108	51 - 149
Bromomethane	0.0500	0.0416		mg/L		83	47 - 158
Chloroethane	0.0500	0.0430		mg/L		86	54 - 143
Trichlorofluoromethane	0.0500	0.0459		mg/L		92	66 - 126
1,1-Dichloroethene	0.0500	0.0370		mg/L		74	58 - 115
Carbon disulfide	0.0500	0.0321		mg/L		64	50 - 120
Acetone	0.0500	0.0545		mg/L		109	41 - 163
Methylene Chloride	0.0500	0.0463		mg/L		93	63 - 130
trans-1,2-Dichloroethene	0.0500	0.0446		mg/L		89	74 - 119
Methyl tert-butyl ether	0.0500	0.0475		mg/L		95	60 - 125
1,1-Dichloroethane	0.0500	0.0463		mg/L		93	66 - 118
2,2-Dichloropropane	0.0500	0.0442		mg/L		88	70 - 117
cis-1,2-Dichloroethene	0.0500	0.0482		mg/L		96	75 - 119
Methyl Ethyl Ketone	0.0500	0.0586		mg/L		117	53 - 140
Bromochloromethane	0.0500	0.0490		mg/L		98	72 - 119
Chloroform	0.0500	0.0501		mg/L		100	76 - 117
1,1,1-Trichloroethane	0.0500	0.0470		mg/L		94	77 - 117
1,1-Dichloropropene	0.0500	0.0439		mg/L		88	71 - 113
Carbon tetrachloride	0.0500	0.0417		mg/L		83	72 - 124
Benzene	0.0500	0.0433		mg/L		87	74 - 115
1,2-Dichloroethane	0.0500	0.0457		mg/L		91	76 - 117
Trichloroethene	0.0500	0.0457		mg/L		91	75 - 120
1,2-Dichloropropane	0.0500	0.0473		mg/L		95	77 - 118
Dibromomethane	0.0500	0.0480		mg/L		96	76 - 120
Bromodichloromethane	0.0500	0.0478		mg/L		96	79 - 117

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-167154/4
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	0.0538	0.0544		mg/L		101	71 - 112
methyl isobutyl ketone	0.0500	0.0581		mg/L		116	59 - 134
Toluene	0.0500	0.0469		mg/L		94	80 - 120
trans-1,3-Dichloropropene	0.0486	0.0495		mg/L		102	66 - 116
1,1,2-Trichloroethane	0.0500	0.0504		mg/L		101	78 - 121
Tetrachloroethene	0.0500	0.0460		mg/L		92	71 - 120
1,3-Dichloropropane	0.0500	0.0503		mg/L		101	79 - 114
2-Hexanone	0.0500	0.0621		mg/L		124	60 - 134
Dibromochloromethane	0.0500	0.0520		mg/L		104	73 - 120
1,2-Dibromoethane	0.0500	0.0513		mg/L		103	79 - 120
Chlorobenzene	0.0500	0.0435		mg/L		87	80 - 120
1,1,1,2-Tetrachloroethane	0.0500	0.0492		mg/L		98	80 - 120
Ethylbenzene	0.0500	0.0464		mg/L		93	79 - 115
m&p-Xylene	0.100	0.0899		mg/L		90	78 - 120
o-Xylene	0.0500	0.0429		mg/L		86	78 - 120
Styrene	0.0500	0.0479		mg/L		96	80 - 120
Bromoform	0.0500	0.0519		mg/L		104	64 - 127
Isopropylbenzene	0.0500	0.0489		mg/L		98	68 - 120
Bromobenzene	0.0500	0.0525		mg/L		105	80 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0597		mg/L		119	78 - 123
1,2,3-Trichloropropane	0.0500	0.0558		mg/L		112	77 - 119
N-Propylbenzene	0.0500	0.0468		mg/L		94	77 - 114
2-Chlorotoluene	0.0500	0.0478		mg/L		96	80 - 120
1,3,5-Trimethylbenzene	0.0500	0.0513		mg/L		103	83 - 120
4-Chlorotoluene	0.0500	0.0459		mg/L		92	80 - 120
tert-Butylbenzene	0.0500	0.0495		mg/L		99	80 - 120
1,2,4-Trimethylbenzene	0.0500	0.0495		mg/L		99	80 - 120
sec-Butylbenzene	0.0500	0.0475		mg/L		95	79 - 117
1,3-Dichlorobenzene	0.0500	0.0447		mg/L		89	80 - 120
p-Isopropyltoluene	0.0500	0.0442		mg/L		88	77 - 120
1,4-Dichlorobenzene	0.0500	0.0465		mg/L		93	80 - 120
n-Butylbenzene	0.0500	0.0444		mg/L		89	78 - 119
1,2-Dichlorobenzene	0.0500	0.0469		mg/L		94	80 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0520		mg/L		104	53 - 133
1,2,4-Trichlorobenzene	0.0500	0.0380		mg/L		76	70 - 118
Hexachlorobutadiene	0.0500	0.0441		mg/L		88	71 - 128
Naphthalene	0.0500	0.0481		mg/L		96	72 - 127
1,2,3-Trichlorobenzene	0.0500	0.0426		mg/L		85	74 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 131*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*79 - 120*
Dibromofluoromethane	*109*		*74 - 123*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-51524-22 MS
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Decon GP-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	<0.0010		0.0500	0.0366		mg/L		73	43 - 139
Chloromethane	<0.0010		0.0500	0.0468		mg/L		94	56 - 144
Vinyl chloride	<0.00050		0.0500	0.0516		mg/L		103	51 - 149
Bromomethane	<0.0010		0.0500	0.0406		mg/L		81	47 - 158
Chloroethane	<0.0010		0.0500	0.0403		mg/L		81	54 - 143
Trichlorofluoromethane	<0.0010		0.0500	0.0459		mg/L		92	66 - 126
1,1-Dichloroethene	<0.0010		0.0500	0.0366		mg/L		73	58 - 115
Carbon disulfide	<0.0050		0.0500	0.0314		mg/L		63	50 - 120
Acetone	<0.0050		0.0500	0.0513		mg/L		103	41 - 163
Methylene Chloride	<0.0050		0.0500	0.0455		mg/L		91	63 - 130
trans-1,2-Dichloroethene	<0.0010		0.0500	0.0434		mg/L		87	74 - 119
Methyl tert-butyl ether	<0.0010		0.0500	0.0472		mg/L		94	60 - 125
1,1-Dichloroethane	<0.0010		0.0500	0.0453		mg/L		91	66 - 118
2,2-Dichloropropane	<0.0010		0.0500	0.0403		mg/L		81	70 - 117
cis-1,2-Dichloroethene	<0.0010		0.0500	0.0470		mg/L		94	75 - 119
Methyl Ethyl Ketone	<0.0050		0.0500	0.0593		mg/L		119	53 - 140
Bromochloromethane	<0.0010		0.0500	0.0490		mg/L		98	72 - 119
Chloroform	<0.0010		0.0500	0.0487		mg/L		97	76 - 117
1,1,1-Trichloroethane	<0.0010		0.0500	0.0450		mg/L		90	77 - 117
1,1-Dichloropropene	<0.0010		0.0500	0.0431		mg/L		86	71 - 113
Carbon tetrachloride	<0.0010		0.0500	0.0415		mg/L		83	72 - 124
Benzene	<0.00050		0.0500	0.0438		mg/L		88	74 - 115
1,2-Dichloroethane	<0.0010		0.0500	0.0458		mg/L		92	76 - 117
Trichloroethene	<0.00050		0.0500	0.0451		mg/L		90	75 - 120
1,2-Dichloropropane	<0.0010		0.0500	0.0475		mg/L		95	77 - 118
Dibromomethane	<0.0010		0.0500	0.0486		mg/L		97	76 - 120
Bromodichloromethane	<0.0010		0.0500	0.0469		mg/L		94	79 - 117
cis-1,3-Dichloropropene	<0.0010		0.0538	0.0533		mg/L		99	71 - 112
methyl isobutyl ketone	<0.0050		0.0500	0.0584		mg/L		117	59 - 134
Toluene	<0.00050		0.0500	0.0463		mg/L		93	80 - 120
trans-1,3-Dichloropropene	<0.0010		0.0486	0.0490		mg/L		101	66 - 116
1,1,2-Trichloroethane	<0.0010		0.0500	0.0513		mg/L		103	78 - 121
Tetrachloroethene	<0.0010		0.0500	0.0468		mg/L		94	71 - 120
1,3-Dichloropropane	<0.0010		0.0500	0.0515		mg/L		103	79 - 114
2-Hexanone	<0.0050		0.0500	0.0633		mg/L		127	60 - 134
Dibromochloromethane	<0.0010		0.0500	0.0516		mg/L		103	73 - 120
1,2-Dibromoethane	<0.0010		0.0500	0.0509		mg/L		102	79 - 120
Chlorobenzene	<0.0010		0.0500	0.0445		mg/L		89	80 - 120
1,1,1,2-Tetrachloroethane	<0.0010		0.0500	0.0482		mg/L		96	80 - 120
Ethylbenzene	<0.00050		0.0500	0.0470		mg/L		94	79 - 115
m&p-Xylene	<0.0010		0.100	0.0915		mg/L		91	78 - 120
o-Xylene	<0.00050		0.0500	0.0429		mg/L		86	78 - 120
Styrene	<0.0010		0.0500	0.0485		mg/L		97	80 - 120
Bromoform	<0.0010		0.0500	0.0527		mg/L		105	64 - 127
Isopropylbenzene	<0.0010		0.0500	0.0489		mg/L		98	68 - 120
Bromobenzene	<0.0010		0.0500	0.0520		mg/L		104	80 - 120
1,1,2,2-Tetrachloroethane	<0.0010		0.0500	0.0600		mg/L		120	78 - 123
1,2,3-Trichloropropane	<0.0010		0.0500	0.0565		mg/L		113	77 - 119
N-Propylbenzene	<0.0010		0.0500	0.0471		mg/L		94	77 - 114

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-51524-22 MS
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Decon GP-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	<0.0010		0.0500	0.0477		mg/L		95	80 - 120
1,3,5-Trimethylbenzene	<0.0010		0.0500	0.0515		mg/L		103	83 - 120
4-Chlorotoluene	<0.0010		0.0500	0.0457		mg/L		91	80 - 120
tert-Butylbenzene	<0.0010		0.0500	0.0485		mg/L		97	80 - 120
1,2,4-Trimethylbenzene	<0.0010		0.0500	0.0497		mg/L		99	80 - 120
sec-Butylbenzene	<0.0010		0.0500	0.0476		mg/L		95	79 - 117
1,3-Dichlorobenzene	<0.0010		0.0500	0.0449		mg/L		90	80 - 120
p-Isopropyltoluene	<0.0010		0.0500	0.0454		mg/L		91	77 - 120
1,4-Dichlorobenzene	<0.0010		0.0500	0.0471		mg/L		94	80 - 120
n-Butylbenzene	<0.0010		0.0500	0.0459		mg/L		92	78 - 119
1,2-Dichlorobenzene	<0.0010		0.0500	0.0474		mg/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	<0.0020		0.0500	0.0521		mg/L		104	53 - 133
1,2,4-Trichlorobenzene	<0.0010		0.0500	0.0430		mg/L		86	70 - 118
Hexachlorobutadiene	<0.0010		0.0500	0.0458		mg/L		92	71 - 128
Naphthalene	<0.0010		0.0500	0.0507		mg/L		101	72 - 127
1,2,3-Trichlorobenzene	<0.0010		0.0500	0.0478		mg/L		96	74 - 126

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*79 - 120*
Dibromofluoromethane	*103*		*74 - 123*

Lab Sample ID: 500-51524-22 MSD
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Decon GP-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	<0.0010		0.0500	0.0375		mg/L		75	43 - 139	3	20
Chloromethane	<0.0010		0.0500	0.0490		mg/L		98	56 - 144	5	20
Vinyl chloride	<0.00050		0.0500	0.0547		mg/L		109	51 - 149	6	20
Bromomethane	<0.0010		0.0500	0.0431		mg/L		86	47 - 158	6	20
Chloroethane	<0.0010		0.0500	0.0445		mg/L		89	54 - 143	10	20
Trichlorofluoromethane	<0.0010		0.0500	0.0480		mg/L		96	66 - 126	5	20
1,1-Dichloroethene	<0.0010		0.0500	0.0358		mg/L		72	58 - 115	2	20
Carbon disulfide	<0.0050		0.0500	0.0315		mg/L		63	50 - 120	0	20
Acetone	<0.0050		0.0500	0.0512		mg/L		102	41 - 163	0	20
Methylene Chloride	<0.0050		0.0500	0.0453		mg/L		91	63 - 130	0	20
trans-1,2-Dichloroethene	<0.0010		0.0500	0.0433		mg/L		87	74 - 119	0	20
Methyl tert-butyl ether	<0.0010		0.0500	0.0467		mg/L		93	60 - 125	1	20
1,1-Dichloroethane	<0.0010		0.0500	0.0449		mg/L		90	66 - 118	1	20
2,2-Dichloropropane	<0.0010		0.0500	0.0427		mg/L		85	70 - 117	6	20
cis-1,2-Dichloroethene	<0.0010		0.0500	0.0461		mg/L		92	75 - 119	2	20
Methyl Ethyl Ketone	<0.0050		0.0500	0.0558		mg/L		112	53 - 140	6	20
Bromochloromethane	<0.0010		0.0500	0.0487		mg/L		97	72 - 119	1	20
Chloroform	<0.0010		0.0500	0.0486		mg/L		97	76 - 117	0	20
1,1,1-Trichloroethane	<0.0010		0.0500	0.0458		mg/L		92	77 - 117	2	20
1,1-Dichloropropene	<0.0010		0.0500	0.0418		mg/L		84	71 - 113	3	20
Carbon tetrachloride	<0.0010		0.0500	0.0401		mg/L		80	72 - 124	3	20

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-51524-22 MSD
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Decon GP-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0416		mg/L		83	74 - 115	5	20
1,2-Dichloroethane	<0.0010		0.0500	0.0441		mg/L		88	76 - 117	4	20
Trichloroethene	<0.00050		0.0500	0.0430		mg/L		86	75 - 120	5	20
1,2-Dichloropropane	<0.0010		0.0500	0.0452		mg/L		90	77 - 118	5	20
Dibromomethane	<0.0010		0.0500	0.0464		mg/L		93	76 - 120	5	20
Bromodichloromethane	<0.0010		0.0500	0.0450		mg/L		90	79 - 117	4	20
cis-1,3-Dichloropropene	<0.0010		0.0538	0.0516		mg/L		96	71 - 112	3	20
methyl isobutyl ketone	<0.0050		0.0500	0.0562		mg/L		112	59 - 134	4	20
Toluene	<0.00050		0.0500	0.0443		mg/L		89	80 - 120	4	20
trans-1,3-Dichloropropene	<0.0010		0.0486	0.0480		mg/L		99	66 - 116	2	20
1,1,2-Trichloroethane	<0.0010		0.0500	0.0494		mg/L		99	78 - 121	4	20
Tetrachloroethene	<0.0010		0.0500	0.0418		mg/L		84	71 - 120	11	20
1,3-Dichloropropane	<0.0010		0.0500	0.0485		mg/L		97	79 - 114	6	20
2-Hexanone	<0.0050		0.0500	0.0587		mg/L		117	60 - 134	8	20
Dibromochloromethane	<0.0010		0.0500	0.0488		mg/L		98	73 - 120	6	20
1,2-Dibromoethane	<0.0010		0.0500	0.0499		mg/L		100	79 - 120	2	20
Chlorobenzene	<0.0010		0.0500	0.0416		mg/L		83	80 - 120	7	20
1,1,1,2-Tetrachloroethane	<0.0010		0.0500	0.0459		mg/L		92	80 - 120	5	20
Ethylbenzene	<0.00050		0.0500	0.0440		mg/L		88	79 - 115	6	20
m&p-Xylene	<0.0010		0.100	0.0842		mg/L		84	78 - 120	8	20
o-Xylene	<0.00050		0.0500	0.0405		mg/L		81	78 - 120	6	20
Styrene	<0.0010		0.0500	0.0456		mg/L		91	80 - 120	6	20
Bromoform	<0.0010		0.0500	0.0510		mg/L		102	64 - 127	3	20
Isopropylbenzene	<0.0010		0.0500	0.0462		mg/L		92	68 - 120	6	20
Bromobenzene	<0.0010		0.0500	0.0498		mg/L		100	80 - 120	4	20
1,1,2,2-Tetrachloroethane	<0.0010		0.0500	0.0577		mg/L		115	78 - 123	4	20
1,2,3-Trichloropropane	<0.0010		0.0500	0.0529		mg/L		106	77 - 119	6	20
N-Propylbenzene	<0.0010		0.0500	0.0439		mg/L		88	77 - 114	7	20
2-Chlorotoluene	<0.0010		0.0500	0.0448		mg/L		90	80 - 120	6	20
1,3,5-Trimethylbenzene	<0.0010		0.0500	0.0485		mg/L		97	83 - 120	6	20
4-Chlorotoluene	<0.0010		0.0500	0.0425		mg/L		85	80 - 120	7	20
tert-Butylbenzene	<0.0010		0.0500	0.0468		mg/L		94	80 - 120	4	20
1,2,4-Trimethylbenzene	<0.0010		0.0500	0.0466		mg/L		93	80 - 120	7	20
sec-Butylbenzene	<0.0010		0.0500	0.0452		mg/L		90	79 - 117	5	20
1,3-Dichlorobenzene	<0.0010		0.0500	0.0423		mg/L		85	80 - 120	6	20
p-Isopropyltoluene	<0.0010		0.0500	0.0417		mg/L		83	77 - 120	8	20
1,4-Dichlorobenzene	<0.0010		0.0500	0.0444		mg/L		89	80 - 120	6	20
n-Butylbenzene	<0.0010		0.0500	0.0414		mg/L		83	78 - 119	10	20
1,2-Dichlorobenzene	<0.0010		0.0500	0.0457		mg/L		91	80 - 120	4	20
1,2-Dibromo-3-Chloropropane	<0.0020		0.0500	0.0494		mg/L		99	53 - 133	5	20
1,2,4-Trichlorobenzene	<0.0010		0.0500	0.0386		mg/L		77	70 - 118	11	20
Hexachlorobutadiene	<0.0010		0.0500	0.0439		mg/L		88	71 - 128	4	20
Naphthalene	<0.0010		0.0500	0.0516		mg/L		103	72 - 127	2	20
1,2,3-Trichlorobenzene	<0.0010		0.0500	0.0460		mg/L		92	74 - 126	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*88*		*79 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-51524-22 MSD
Matrix: Water
Analysis Batch: 167154

Client Sample ID: Decon GP-08
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Dibromofluoromethane	*103*		*74 - 123*

Lab Sample ID: MB 500-167274/6
Matrix: Water
Analysis Batch: 167274

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 14:46	1
Chloromethane	<0.0010		0.0010	0.00018	mg/L			10/25/12 14:46	1
Vinyl chloride	<0.00050		0.00050	0.00010	mg/L			10/25/12 14:46	1
Bromomethane	<0.0010		0.0010	0.00031	mg/L			10/25/12 14:46	1
Chloroethane	<0.0010		0.0010	0.00034	mg/L			10/25/12 14:46	1
Trichlorofluoromethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 14:46	1
1,1-Dichloroethene	<0.0010		0.0010	0.00031	mg/L			10/25/12 14:46	1
Carbon disulfide	<0.0050		0.0050	0.00043	mg/L			10/25/12 14:46	1
Acetone	<0.0050		0.0050	0.0013	mg/L			10/25/12 14:46	1
Methylene Chloride	<0.0050		0.0050	0.00068	mg/L			10/25/12 14:46	1
trans-1,2-Dichloroethene	<0.0010		0.0010	0.00025	mg/L			10/25/12 14:46	1
Methyl tert-butyl ether	<0.0010		0.0010	0.00024	mg/L			10/25/12 14:46	1
1,1-Dichloroethane	<0.0010		0.0010	0.00019	mg/L			10/25/12 14:46	1
2,2-Dichloropropane	<0.0010		0.0010	0.00032	mg/L			10/25/12 14:46	1
cis-1,2-Dichloroethene	<0.0010		0.0010	0.00012	mg/L			10/25/12 14:46	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0015	mg/L			10/25/12 14:46	1
Bromochloromethane	<0.0010		0.0010	0.00040	mg/L			10/25/12 14:46	1
Chloroform	<0.0010		0.0010	0.00020	mg/L			10/25/12 14:46	1
1,1,1-Trichloroethane	<0.0010		0.0010	0.00020	mg/L			10/25/12 14:46	1
1,1-Dichloropropene	<0.0010		0.0010	0.00034	mg/L			10/25/12 14:46	1
Carbon tetrachloride	<0.0010		0.0010	0.00026	mg/L			10/25/12 14:46	1
Benzene	<0.00050		0.00050	0.000074	mg/L			10/25/12 14:46	1
1,2-Dichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 14:46	1
Trichloroethene	<0.00050		0.00050	0.00019	mg/L			10/25/12 14:46	1
1,2-Dichloropropane	<0.0010		0.0010	0.00020	mg/L			10/25/12 14:46	1
Dibromomethane	<0.0010		0.0010	0.00033	mg/L			10/25/12 14:46	1
Bromodichloromethane	<0.0010		0.0010	0.00017	mg/L			10/25/12 14:46	1
cis-1,3-Dichloropropene	<0.0010		0.0010	0.00018	mg/L			10/25/12 14:46	1
methyl isobutyl ketone	<0.0050		0.0050	0.00033	mg/L			10/25/12 14:46	1
Toluene	<0.00050		0.00050	0.00011	mg/L			10/25/12 14:46	1
trans-1,3-Dichloropropene	<0.0010		0.0010	0.00021	mg/L			10/25/12 14:46	1
1,1,2-Trichloroethane	<0.0010		0.0010	0.00028	mg/L			10/25/12 14:46	1
Tetrachloroethene	<0.0010		0.0010	0.00017	mg/L			10/25/12 14:46	1
1,3-Dichloropropane	<0.0010		0.0010	0.00013	mg/L			10/25/12 14:46	1
2-Hexanone	<0.0050		0.0050	0.00056	mg/L			10/25/12 14:46	1
Dibromochloromethane	<0.0010		0.0010	0.00032	mg/L			10/25/12 14:46	1
1,2-Dibromoethane	<0.0010		0.0010	0.00036	mg/L			10/25/12 14:46	1
Chlorobenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 14:46	1
1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00025	mg/L			10/25/12 14:46	1
Ethylbenzene	<0.00050		0.00050	0.00013	mg/L			10/25/12 14:46	1
m&p-Xylene	<0.0010		0.0010	0.00026	mg/L			10/25/12 14:46	1
o-Xylene	<0.00050		0.00050	0.000068	mg/L			10/25/12 14:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-167274/6
Matrix: Water
Analysis Batch: 167274

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.0010		0.0010	0.00010	mg/L			10/25/12 14:46	1
Bromoform	<0.0010		0.0010	0.00028	mg/L			10/25/12 14:46	1
Isopropylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 14:46	1
Bromobenzene	<0.0010		0.0010	0.00025	mg/L			10/25/12 14:46	1
1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00023	mg/L			10/25/12 14:46	1
1,2,3-Trichloropropane	<0.0010		0.0010	0.00045	mg/L			10/25/12 14:46	1
N-Propylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 14:46	1
2-Chlorotoluene	<0.0010		0.0010	0.00021	mg/L			10/25/12 14:46	1
1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00018	mg/L			10/25/12 14:46	1
4-Chlorotoluene	<0.0010		0.0010	0.00020	mg/L			10/25/12 14:46	1
tert-Butylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 14:46	1
1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00014	mg/L			10/25/12 14:46	1
sec-Butylbenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 14:46	1
1,3-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 14:46	1
p-Isopropyltoluene	<0.0010		0.0010	0.00017	mg/L			10/25/12 14:46	1
1,4-Dichlorobenzene	<0.0010		0.0010	0.00015	mg/L			10/25/12 14:46	1
n-Butylbenzene	<0.0010		0.0010	0.00013	mg/L			10/25/12 14:46	1
1,2-Dichlorobenzene	<0.0010		0.0010	0.00027	mg/L			10/25/12 14:46	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0020	0.00087	mg/L			10/25/12 14:46	1
1,2,4-Trichlorobenzene	<0.0010		0.0010	0.00031	mg/L			10/25/12 14:46	1
Hexachlorobutadiene	<0.0010		0.0010	0.00026	mg/L			10/25/12 14:46	1
Naphthalene	<0.0010		0.0010	0.00016	mg/L			10/25/12 14:46	1
1,2,3-Trichlorobenzene	<0.0010		0.0010	0.00024	mg/L			10/25/12 14:46	1
1,3-Dichloropropene, Total	<0.0010		0.0010	0.00018	mg/L			10/25/12 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 131*		*10/25/12 14:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/25/12 14:46*	*1*
4-Bromofluorobenzene (Surr)	*91*		*79 - 120*		*10/25/12 14:46*	*1*
Dibromofluoromethane	*96*		*74 - 123*		*10/25/12 14:46*	*1*

Lab Sample ID: LCS 500-167274/4
Matrix: Water
Analysis Batch: 167274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0500	0.0369		mg/L		74	43 - 139
Chloromethane	0.0500	0.0442		mg/L		88	56 - 144
Vinyl chloride	0.0500	0.0503		mg/L		101	51 - 149
Bromomethane	0.0500	0.0387		mg/L		77	47 - 158
Chloroethane	0.0500	0.0382		mg/L		76	54 - 143
Trichlorofluoromethane	0.0500	0.0434		mg/L		87	66 - 126
1,1-Dichloroethene	0.0500	0.0464		mg/L		93	58 - 115
Carbon disulfide	0.0500	0.0458		mg/L		92	50 - 120
Acetone	0.0500	0.0496		mg/L		99	41 - 163
Methylene Chloride	0.0500	0.0487		mg/L		97	63 - 130
trans-1,2-Dichloroethene	0.0500	0.0487		mg/L		97	74 - 119
Methyl tert-butyl ether	0.0500	0.0472		mg/L		94	60 - 125
1,1-Dichloroethane	0.0500	0.0479		mg/L		96	66 - 118

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-167274/4
Matrix: Water
Analysis Batch: 167274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	0.0500	0.0464		mg/L		93	70 - 117
cis-1,2-Dichloroethene	0.0500	0.0481		mg/L		96	75 - 119
Methyl Ethyl Ketone	0.0500	0.0577		mg/L		115	53 - 140
Bromochloromethane	0.0500	0.0494		mg/L		99	72 - 119
Chloroform	0.0500	0.0485		mg/L		97	76 - 117
1,1,1-Trichloroethane	0.0500	0.0479		mg/L		96	77 - 117
1,1-Dichloropropene	0.0500	0.0460		mg/L		92	71 - 113
Carbon tetrachloride	0.0500	0.0463		mg/L		93	72 - 124
Benzene	0.0500	0.0466		mg/L		93	74 - 115
1,2-Dichloroethane	0.0500	0.0471		mg/L		94	76 - 117
Trichloroethene	0.0500	0.0487		mg/L		97	75 - 120
1,2-Dichloropropane	0.0500	0.0489		mg/L		98	77 - 118
Dibromomethane	0.0500	0.0493		mg/L		99	76 - 120
Bromodichloromethane	0.0500	0.0486		mg/L		97	79 - 117
cis-1,3-Dichloropropene	0.0538	0.0570		mg/L		106	71 - 112
methyl isobutyl ketone	0.0500	0.0597		mg/L		119	59 - 134
Toluene	0.0500	0.0487		mg/L		97	80 - 120
trans-1,3-Dichloropropene	0.0486	0.0517		mg/L		106	66 - 116
1,1,2-Trichloroethane	0.0500	0.0527		mg/L		105	78 - 121
Tetrachloroethene	0.0500	0.0513		mg/L		103	71 - 120
1,3-Dichloropropane	0.0500	0.0525		mg/L		105	79 - 114
2-Hexanone	0.0500	0.0620		mg/L		124	60 - 134
Dibromochloromethane	0.0500	0.0543		mg/L		109	73 - 120
1,2-Dibromoethane	0.0500	0.0513		mg/L		103	79 - 120
Chlorobenzene	0.0500	0.0464		mg/L		93	80 - 120
1,1,1,2-Tetrachloroethane	0.0500	0.0498		mg/L		100	80 - 120
Ethylbenzene	0.0500	0.0495		mg/L		99	79 - 115
m&p-Xylene	0.100	0.0961		mg/L		96	78 - 120
o-Xylene	0.0500	0.0450		mg/L		90	78 - 120
Styrene	0.0500	0.0508		mg/L		102	80 - 120
Bromoform	0.0500	0.0552		mg/L		110	64 - 127
Isopropylbenzene	0.0500	0.0470		mg/L		94	68 - 120
Bromobenzene	0.0500	0.0504		mg/L		101	80 - 120
1,1,2,2-Tetrachloroethane	0.0500	0.0567		mg/L		113	78 - 123
1,2,3-Trichloropropane	0.0500	0.0534		mg/L		107	77 - 119
N-Propylbenzene	0.0500	0.0459		mg/L		92	77 - 114
2-Chlorotoluene	0.0500	0.0461		mg/L		92	80 - 120
1,3,5-Trimethylbenzene	0.0500	0.0501		mg/L		100	83 - 120
4-Chlorotoluene	0.0500	0.0449		mg/L		90	80 - 120
tert-Butylbenzene	0.0500	0.0470		mg/L		94	80 - 120
1,2,4-Trimethylbenzene	0.0500	0.0489		mg/L		98	80 - 120
sec-Butylbenzene	0.0500	0.0462		mg/L		92	79 - 117
1,3-Dichlorobenzene	0.0500	0.0457		mg/L		91	80 - 120
p-Isopropyltoluene	0.0500	0.0454		mg/L		91	77 - 120
1,4-Dichlorobenzene	0.0500	0.0482		mg/L		96	80 - 120
n-Butylbenzene	0.0500	0.0477		mg/L		95	78 - 119
1,2-Dichlorobenzene	0.0500	0.0470		mg/L		94	80 - 120
1,2-Dibromo-3-Chloropropane	0.0500	0.0514		mg/L		103	53 - 133
1,2,4-Trichlorobenzene	0.0500	0.0457		mg/L		91	70 - 118
Hexachlorobutadiene	0.0500	0.0469		mg/L		94	71 - 128

QC Sample Results

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-167274/4
Matrix: Water
Analysis Batch: 167274

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	0.0500	0.0497		mg/L		99	72 - 127
1,2,3-Trichlorobenzene	0.0500	0.0487		mg/L		97	74 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*79 - 120*
Dibromofluoromethane	*97*		*74 - 123*

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-22

Lab Sample ID: 500-51524-1
Matrix: Water

Date Collected: 10/15/12 15:00
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 06:45	BBS	TAL CHI

Client Sample ID: GP-08 85FT

Lab Sample ID: 500-51524-2
Matrix: Water

Date Collected: 10/15/12 15:47
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 07:10	BBS	TAL CHI

Client Sample ID: GP-08 57FT

Lab Sample ID: 500-51524-3
Matrix: Water

Date Collected: 10/16/12 08:45
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 07:36	BBS	TAL CHI

Client Sample ID: GP-08 27FT

Lab Sample ID: 500-51524-4
Matrix: Water

Date Collected: 10/16/12 10:17
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 08:02	BBS	TAL CHI

Client Sample ID: GP-03 85FT

Lab Sample ID: 500-51524-5
Matrix: Water

Date Collected: 10/16/12 11:49
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 08:27	BBS	TAL CHI

Client Sample ID: GP-03 57FT

Lab Sample ID: 500-51524-6
Matrix: Water

Date Collected: 10/16/12 12:57
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 08:53	BBS	TAL CHI
Total/NA	Analysis	8260B		5	167154	10/25/12 10:40	BBS	TAL CHI

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-03 27FT

Lab Sample ID: 500-51524-7
Matrix: Water

Date Collected: 10/16/12 13:47
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 09:18	BBS	TAL CHI

Client Sample ID: GP-16 85FT

Lab Sample ID: 500-51524-8
Matrix: Water

Date Collected: 10/16/12 15:17
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	166940	10/24/12 09:44	BBS	TAL CHI

Client Sample ID: GP-16 57FT

Lab Sample ID: 500-51524-9
Matrix: Water

Date Collected: 10/16/12 15:57
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167116	10/24/12 15:05	LM	TAL CHI

Client Sample ID: GP-16 27FT

Lab Sample ID: 500-51524-10
Matrix: Water

Date Collected: 10/16/12 16:57
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167116	10/24/12 15:31	LM	TAL CHI

Client Sample ID: GP-17 80FT

Lab Sample ID: 500-51524-11
Matrix: Water

Date Collected: 10/17/12 10:12
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 05:30	BBS	TAL CHI

Client Sample ID: GP-17 57FT

Lab Sample ID: 500-51524-12
Matrix: Water

Date Collected: 10/17/12 10:47
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 05:55	BBS	TAL CHI

Client Sample ID: GP-17 27FT

Lab Sample ID: 500-51524-13
Matrix: Water

Date Collected: 10/17/12 11:27
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 06:21	BBS	TAL CHI

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: GP-19 80FT

Lab Sample ID: 500-51524-14
Matrix: Water

Date Collected: 10/17/12 13:24
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 06:47	BBS	TAL CHI

Client Sample ID: GP-19 57FT

Lab Sample ID: 500-51524-15
Matrix: Water

Date Collected: 10/17/12 14:34
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 07:13	BBS	TAL CHI

Client Sample ID: GP-19 27FT

Lab Sample ID: 500-51524-16
Matrix: Water

Date Collected: 10/17/12 15:27
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 07:39	BBS	TAL CHI

Client Sample ID: Decon GP-19

Lab Sample ID: 500-51524-17
Matrix: Water

Date Collected: 10/17/12 15:45
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 08:05	BBS	TAL CHI

Client Sample ID: GP-20 85FT

Lab Sample ID: 500-51524-18
Matrix: Water

Date Collected: 10/17/12 17:07
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 08:30	BBS	TAL CHI

Client Sample ID: GP-20 57FT

Lab Sample ID: 500-51524-19
Matrix: Water

Date Collected: 10/18/12 08:42
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 08:56	BBS	TAL CHI

Client Sample ID: GP-20 27FT

Lab Sample ID: 500-51524-20
Matrix: Water

Date Collected: 10/18/12 09:27
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 09:22	BBS	TAL CHI

Lab Chronicle

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Client Sample ID: Decon GP-20

Lab Sample ID: 500-51524-21
Matrix: Water

Date Collected: 10/18/12 10:00
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 09:48	BBS	TAL CHI

Client Sample ID: Decon GP-08

Lab Sample ID: 500-51524-22
Matrix: Water

Date Collected: 10/16/12 10:30
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167154	10/25/12 10:14	BBS	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-51524-23
Matrix: Water

Date Collected: 10/15/12 00:00
Date Received: 10/19/12 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	167274	10/25/12 15:12	BBS	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: Autumnwood Consultants
Project/Site: Techalloy

TestAmerica Job ID: 500-51524-1

Laboratory: TestAmerica Chicago

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40461	04-30-13
California	NELAC	9	01132CA	04-30-13
Georgia	State Program	4	N/A	04-30-13
Georgia	State Program	4	939	04-30-13
Hawaii	State Program	9	N/A	04-30-13
Illinois	NELAC	5	100201	04-30-13
Indiana	State Program	5	C-IL-02	04-30-13
Iowa	State Program	7	82	05-01-14
Kansas	NELAC	7	E-10161	10-31-13
Kentucky	State Program	4	90023	12-31-12
Kentucky (UST)	State Program	4	66	04-11-13
L-A-B	DoD ELAP		L2304	01-06-13
L-A-B	ISO/IEC 17025		L2304	01-06-13
Louisiana	NELAC	6	30720	06-30-13
Massachusetts	State Program	1	M-IL035	06-30-13
Mississippi	State Program	4	N/A	04-30-13
North Carolina DENR	State Program	4	291	12-31-12
North Dakota	State Program	8	R-194	04-30-13
Oklahoma	State Program	6	8908	08-31-13
South Carolina	State Program	4	77001	04-30-13
Texas	NELAC	6	T104704252-09-TX	02-28-13
USDA	Federal		P330-12-00038	02-06-15
Virginia	NELAC	3	460142	06-14-13
Wisconsin	State Program	5	999580010	08-31-13
Wyoming	State Program	8	8TMS-Q	04-30-13

500-51524

CHAIN OF CUSTODY RECORD

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

CHICAGO ☐ Cedar Falls, IA 800-750-2401 ☐ Watertown, WI 800-833-7036 ☐ Nashville, TN 800-765-0980

Site ID: Central Wire 6529 Olson Rd Union IL 60180

AFE#:

Sampler (printed name and signature): Jack Thorson

Date: 10/18/12

Parameters: VOCs

Preservatives: Unpreserved, HCl

3.8 Received on Ice? (Yes) No

	Sample No.	Date	Time	Comp.	Grab	Sample ID: Sample Source	Sample Type/Matrix	# of Containers	Remarks
1	1	10/15/12	3:00		X	Decon GP-22	Water	3	
2	2	10/15/12	3:47		X	GP-08 85 ft.		3	
3	3	10/16/12	8:48			GP-08 57 ft		3	
4	4	10/16/12	10:17			GP-08 27 ft		3	
5	5	10/16/12	11:49			GP-03 85 ft		3	
6	6	10/16/12	12:57			GP-03 57 ft		3	
7	7	10/16/12	1:47			GP-03 27 ft		3	
8	8	10/16/12	3:17			GP-16 85 ft		3	
9	9	10/16/12	3:57			GP-16 57 ft		1	
10	10	10/16/12	4:57			GP-16 27 ft			
11	11	10/17/12	10:12			GP-17 80 ft			
12	12	10/17/12	10:47			GP-17 57 ft			
13	13	10/17/12	11:27			GP-17 27 ft			
14	14	10/17/12	1:24			GP-19 80 ft			
15	15	10/17/12	2:34			GP-19 57 ft			

Relinquished By: (signature) Date: 10/18/12 Time: 12:00 Received By: (signature) 10/19/12 0950

Original Report and Invoice to Magellan Project Manager:

Relinquished By: (signature) Date: Time: Received By: (signature)

Copy Report to Consulting Project Engineer (name and company): Jack Thorson

address: Antonwood ESH Consultants LLC 6539 Antonwood Ct. Kt. Pleasant WI 53403

phone: 262 237 1136

Notes:

☐ One Williams Center MD 30-7 Tulsa, OK 74172 ☐ 2728 Patton Road St. Paul, MN 55113

MAGELLAN MIDSTREAM PARTNERS, L.P.

☐ 5042 Maple Drive Pleasant Hill, IA 50327 ☐ 13424 West 98th Street Shawnee Mission, KS 66215

NOTES: Pre-Arrangements must be made AT LEAST 48 HOURS IN ADVANCE to achieve RUSH requests.
Turn around times are calculated from the time of receipt at TestAmerica.
Additional charges may be assessed to RUSH requests.
Additional charges may be assessed to dispose of sample remainders.

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500-51524

CHAIN OF CUSTODY RECORD

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

CHICAGO ☐ Cedar Falls, IA 800-750-2401 ☐ Watertown, WI 800-833-7036 ☐ Nashville, TN 800-765-0980

Site ID: Central Wine

AFE#:

Sampler (printed name and signature): Jack Thorsen

Date:

Received on Ice? Yes / No — 3.8

Sample No.	Date	Time	Comp	Grab	Sample ID / Sample Source	Sample Type/Matrix	# of Containers	Preservatives: Unpreserved	HCl	Parameters	Remarks
16 1	10/17/12	3:27		✓	GP-19 27 ft	Water	3		✓		
17 2	10/17/12	3:45		✓	Dean GP-19						
18 3	10/17/12	5:07		✓	GP-20 85 ft						
19 4	10/18/12	8:42		✓	GP-20 57 ft						
20 5	10/18/12	9:27		✓	GP-20 27 ft						
21 6	10/18/12	10:00		✓	Dean GP-20						
22 7	10/16/12	10:30		✓	Dean GP-08						
23 8				✓	Trip Blank		6				Added by TA
9				✓							
10				✓							
11				✓							
12				✓							
13				✓							
14				✓							
15				✓							

Relinquished By: (signature) Date: 12:00 Time: 9:30 Received By: (signature) 10/19/12 0950

Relinquished By: (signature) Date: Time: Received By: (signature)

Original Report and Invoice to Magellan Project Manager:

Copy Report to Consulting Project Engineer (name and company):

address:

phone:

Notes:

☐ One Williams Center MD 30-7 Tulsa, OK 74172

☐ 2728 Patton Road St. Paul, MN 55113

MAGELLAN MIDSTREAM PARTNERS, L.P.

☐ 5042 Maple Drive Pleasant Hill, IA 50327

☐ 13424 West 98th Street Shawnee Mission, KS 66215

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Login Sample Receipt Checklist

Client: Autumnwood Consultants

Job Number: 500-51524-1

Login Number: 51524
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	Headspace larger than 1/4" in one or more vials, one vial with accpt. headspace
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	