2012 RCRA Corrective Measures Implementation Field Investigation Report

November 2012
(Rev .1, February 2013)

Prepared for:

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

Prepared by:

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6539 Autumnwood Ct.
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1.0 INTRODUCTION

The Central Wire Union Plant (formerly known as Techalloy) is located in Union, Illinois northwest of the intersection of Jefferson and Olson Roads. The plant facility and grounds occupy 5 acres. The company owns the surrounding 38 acres including the plant site. See Figure 1 for site location. Central Wire began operating at this facility in 1960 as Techalloy Company, Inc. Prior to 1960, the property was farm land. Techalloy was acquired by Central Wire in 2005. Since 1960 Techalloy, then Central Wire, has been operating as a specialty handler of stainless steel wire products. The finished products are stainless steel wire coils of varying diameters and tensile strengths that are distributed with and without specialty coatings.

Central Wire 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 (northwest) of 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 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. See Figure 2 for the location of all the wells that have been sampled at Central Wire, including the residential well samples. See Attachment 1 for the historical sampling data.

These residential wells have been sampled to confirm that they have not been impacted by the chlorinated plume. To date (through December 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 and December 2011 and June and December 2012. There were no VOC detections in samples collected at this well nest. The location of the residential wells, the South Branch Nursery irrigation well and the sentinel well nest (DGW-2) are shown on Figure 2. Samples are collected from these wells in June and December and are reported in the Monthly RCRA Corrective Measures Implementation Progress Reports.

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.

Jack Thorsen

From: Jack Thorsen <jack@autumnwoodesh.com>
Sent: Tuesday, February 12, 2013 4:05 PM
To: John Nordine (nordine.john@epa.gov)
Cc: Gerald Ruopp (gruopp@centralwire.com); Bob Johnson (rjohnson@centralwire.com)
Subject: Revised 2012 RCRA Corrective Measures Implementation Field Investigation Report rev 1

Dear Mr. Nordine:

The revised 2012 RCRA CMI Field investigation Report incorporating EPA comments is being sent by USPS Express Mail today for delivery tomorrow.

Please call me if you have any questions.

Regards,

Jack

John W. Thorsen, P.E.
Autumnwood ESH Consultants
262.237.1130

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 3), 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 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 Non-responsive [redacted] 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 2012 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 3 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 only minor amounts of the chemicals of concern in GP-8S in 2011. The chemical of concern are trichloroethene, perchloroethene and their degradation products. These are shown of Figure 3. Central Wire also collected samples at the same locations that 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 sampling analytical results as well as the well stabilization data for all Geoprobe locations is provided in Table 1

- The Central Wire Union Plant will continue to sample the residential wells along Illinois Route 176 (see Figure 2), the 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. These samples will be collected after the field parameters (dissolved oxygen, conductivity, pH and oxygen reduction potential) have stabilized. The December 2012 sampling event was conducted on 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 15 minutes 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.

3.0 Field Investigation Results

All of the analytical data from the 2012 RCRA Corrective Measures Implementation Field Investigation are provided in Table 1. Three samples each from GP-18 and GP-22, at the depths noted above, 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 for one day analytical turn around to determine if Central Wire had located the leading edge of the chlorinated solvent plume. 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. Toluene is not a chemical of concern at this site and will not be discussed in this report.

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. Acetone is not a chemical of concern at this site and will not be discussed in this report.

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. All of the three values found for DCE and TCE were above the MCL (7 ug/L for DCE and 5 ug/L for TCE) except the shallow sample for GP-3S for DCE. 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 210 ug/L.

In the other historical sampling location, GP-8, chemicals of concern found at the 27 foot sampling depth included 1,1-DCE, 1,1,1-TCA, and TCE . The MCL for TCE was exceeded, 11 ug/L was found at this location. The 85 foot sample detections were found for 1,1-DCA which was footnoted as an estimated value (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 of the chemicals of concern at any of the three samples at GP-16.

There were no detections of the chemicals of concern at any of the three samples at GP-17.

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

In the GP-20 samples, vinyl chloride, chloroethane, 1,1-DCE; total 1,2-DCE and 1,1-DCA were detected. Only the detections for 1,1-DCE, total 1,2-DCE, and 1,1-DCA in the intermediate and deep samples were not estimated values and all were below the MCLs. This seems to indicate that the VOC are migrating to lower areas in the aquifer.

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 (see Table 1).

Central Wire has evaluated this data by plotting a fence diagram of the approximate center line of the plume by plotting the concentrations found in GP-3, GP-8, GP-18 and GP-22 at all three depths, 27 ft., 57 ft. and 85 ft. (see Table 2).

At the 27 ft. depth, there has been a significant fall off of contamination moving away from the leading edge of the plume in all chemicals of concern. There was a slight increase in TCA, though it was (well below the MCL).

At the 57 ft. and the 85 ft. depth there is a significant fall off all parameters from GP-3I to GP-8I with basically no contaminants found in GP-18I or GP-22I.

Table 3 shows the data and the plots for the Geoprobe sampling locations that have, at one time or another, exceeded the MCLS for one or more VOC. These locations are at GP 3S, GP-3I, GP-3D and GP8-S. At GP-3S concentrations of TCE and 1,1-DCE have fallen off since 2011. At GP-3I TCE and 1,1,1-TCA increased from 2011 to 2012 and at GP-3D TCE and 1,1 DCE have increased from 2009 to 2012. AT GP-8S TCE was elevated (8.2 ug/L) in 2009, then went to non-detectable in 2011 and increased to 11 ug/L in 2012.

Based on the data and the plots provided particularly where there are the higher levels of VOC detection in GP-3, it appears that the contamination is moving to lower parts of the aquifer since the VOCs are general decreasing in GP-3S and increasing in both GP-3I and GP-3D.

The plume appears to be moving in a more northerly direction based on detections in GP-19 and GP 20. While all of the detections were well below the MCLs (and many were detected below the quantitation detection limit and were therefore estimated values (identified as "J" values), TCE was close to the MCL in GP-19 and four parameters increased from 2011 to 2012 in GP-20.

The data from GP-3 in which the highest levels of VOCs have been observed (and for which we have the most data – 5 years), the plume appears to be moving downward in the aquifer as evidenced by VOC concentrations going down over time in the shallow samples at GP-3S and at the same time VOC concentrations are increasing in GP-3I and increasing, but at lower levels than GP-3I in GP-3D.

It is Central Wire's conclusion that the plume, while appearing to be migrating downward within its footprint , also appears to be relatively stable. The band of sampling points represented by

GP-16 through GP-20 is at the leading edge of the chlorinated plume containing the chemicals of concern where MCLs are not exceeded. As requested by U.S, EPA, Figure 3 represents Central Wire's interpretation of the data regarding the location of the leading edge of the chlorinated plume where MCLs are not exceeded.

FIGURES

TABLES

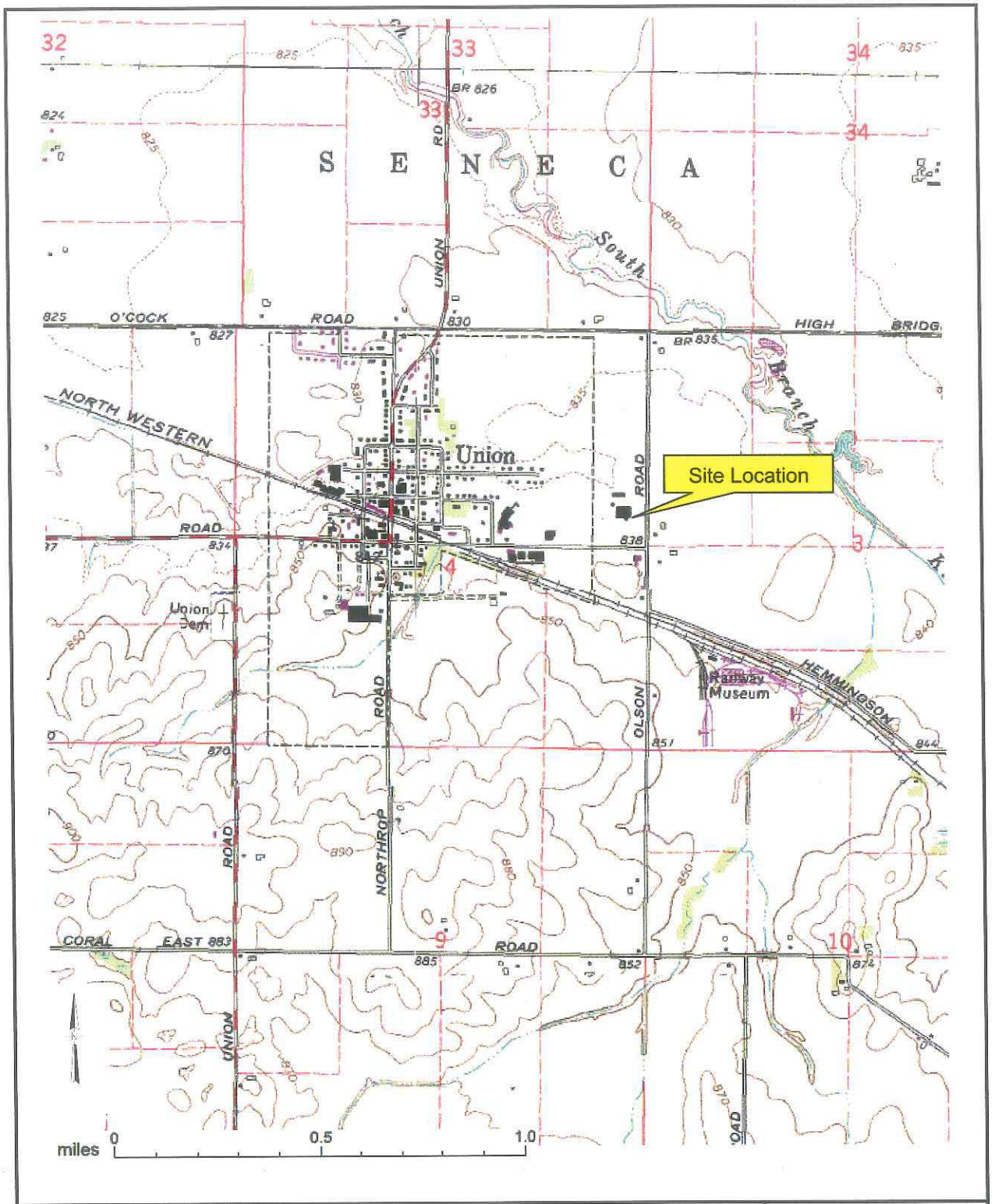
ATTACHMENT 1

HISTORICAL GEOPROBE DATA

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS

FIGURES



Source: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAPS.
MARENGO SOUTH, ILLINOIS QUADRANGLE

Figure 1

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

Site Location Map
Central Wire
Union, Illinois Facility

Non-responsive

Non-responsive

TABLES

Table 1

Central Wire Corrective Action Implementation

Trends in Geoprobe Data Concentrations, 2007 - 1012

GP-3

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2-TCE	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
3S	F-07	-	**12**	-	1	100	**59**	-	-
	O-08	-	**9.1**	-	-	120	**60**	-	-
	J-10	-	**11**	9.6	1.8	120	**75**	-	-
	O-11	-	**9.7**	-	1.4	130	**84**	-	-
	O-12	-	3.1	-	0.95	50	**27**	0.47J	-
3I	F-07	-	**17**	5.7	19	743	**42**	-	-
	O-08	-	**48**	-	46	**210**	**60**	-	-
	J-10	-	**69**	9.9	52	110	**27**	-	-
	O-11	-	**57**	7.4	38	160	**65**	-	-
	O-12	-	**51**	6.9	30	**210**	**93**	-	-
3D	F-07	-	**8.9**	3.4	13	10	**11**	-	-
	O-08	-	**14**	4.4	1.12	4.2	4.5	-	-
	J-10	-	**11**	3.4	17	-	**15**	-	-
	O-11	-	**17**	3.3	26	-	**7**	-	-
	O-12	-	**22**	4.1	33	4.8	**18**	-	-

* = Region 9 Preliminary Remediation Goal

\- = Analyzed for, but not detected

J = Result was < Reporting Limit but > or equal to the Method Detection Limit and the concentration is an approximate value

Table 1

Central Wire Corrective Action Implementation

Trends in Geoprobe Data Concentrations, 2007 - 1012

GP-8

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
8S	O-08	-	2.2	-	-	26	-	-	-
	N-09	-	**2.3**	-	-	26	**8.2**	-	-
	O-11	-	**2.3**	2.8	2.6	-	-	-	-
	O-12	-	2	-	-	37	**11**	-	-
8I	O-08	-	-	-	-	-	-	-	-
	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
8D	O-08	-	-	-	-	-	-	-	-
	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	0.47 J	-	-	-	-

GP-16

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
16S	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
16I	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
16D	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-

Table 1

Central Wire Corrective Action Implementation

Trends in Geoprobe Data Concentrations, 2007 - 1012

GP-17

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
17S	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
17I	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
17D	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-

GP-18

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
18S	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
18I	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-
18D	J-10	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	-	-	-	-	-	-	-

Table 1

Central Wire Corrective Action Implementation

Trends in Geoprobe Data Concentrations, 2007 - 1012

GP-19

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
19S	N-09	-	2.4	-	-	34	4	-	-
	O-11	-	3.5	-	-	33	1.1	-	-
	O-12	-	0.99 J	-	-	17	3.3	-	-
19I	N-09	-	3.2	3.6	-	1.3	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	1.5	1.6	0.81 J	-	-	-	-
19D	N-09	-	-	-	-	-	-	7.7	-
	O-11	-	-	-	-	-	-	-	-
	O-12	-	0.59 J	0.69 J	0.80 J	-	-	-	-

GP-20

	Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2 TCA	PCE
	MCL, ug/L	2	7	170	800*	200	5	5	5
20S	N-09	-	-	-	-	-	-	-	-
	O-11	-	-	-	-	-	-	-	-
	O-12	0.36 J	-	0.68 J	0.69 J	-	-	-	-
20I	N-09	-	-	-	-	-	-	-	-
	O-11	-	-	-	4.4	-	-	-	-
	O-12	0.25 J	1.7	2.2	6.8	-	-	-	-
20D	N-09	-	2.4	5.5	-	-	-	-	-
	O-11	-	-	0.50 J	-	-	-	-	-
	O-12	-	2.5	5.3	26	-	-	-	-

Table 1

Central Wire Corrective Action Implementation

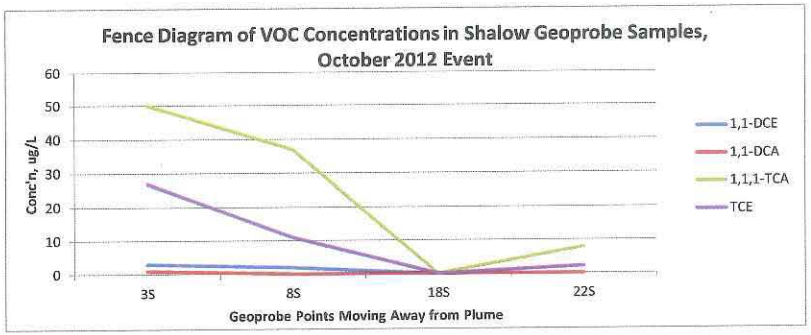
Trends in Geoprobe Data Concentrations, 2007 - 1012

GP-22

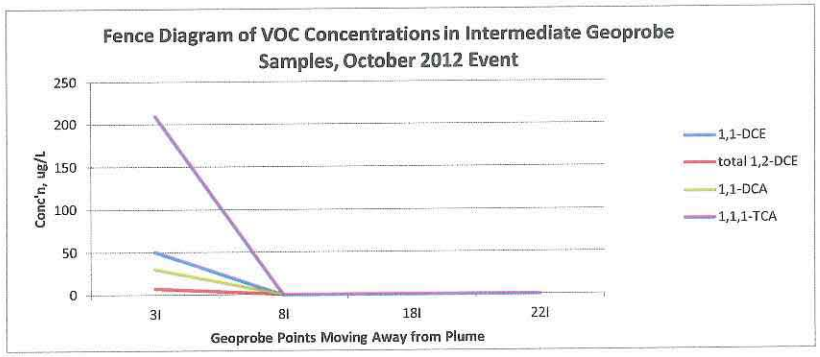
Date	VC	1,1-DCE	Total 1,2-DCE	1,1-DCA	1,1,1-TCA	TCE	1,1,2-TCE	PCE
MCL, ug/L	2	7	170	800*	200	5	5	5
O-11	-	-	-	-	-	-	-	-
O-12	-	-	-	-	7.9	2.1	-	-
O-11	-	-	-	-	-	-	-	-
O-12	-	-	-	-	-	-	-	-
O-11	-	-	-	-	-	-	-	-
O-12	-	-	-	-	-	-	-	-

Table 2
Fence Diagram Data Plot in Line of Plume Migration, October 2012 Event
(GP-3, GP-8, GP-18 GP-22)

Chemical	3S	8S	18S	22S
1,1-DCE	3.1	2.0	0	0
1,1-DCA	0.95	0	0	0
1,1,1-TCA	50	**37**	0	7.9
TCE	**27**	**11**	0	2.1



Chemical	3I	8I	18I	22I
1,1-DCE	**51**	0	0	0
total 1,2-DCE	6.9	0	0	0
1,1-DCA	30	0	0	0
1,1,1-TCA	**210**	0	0	0
TCE	**93**	0	0	0
1,1,2-TCA	0.47	0		0.18



Chemical	3D	8D	18D	22D
1,1-DCE	**22**	0	0	0
total 1,2-DCE	4.1	0	0	0
1,1-DCA	33	0.47	0	0
1,1,1-TCA	4.8	0	0	0
TCE	**18**	0	0	0

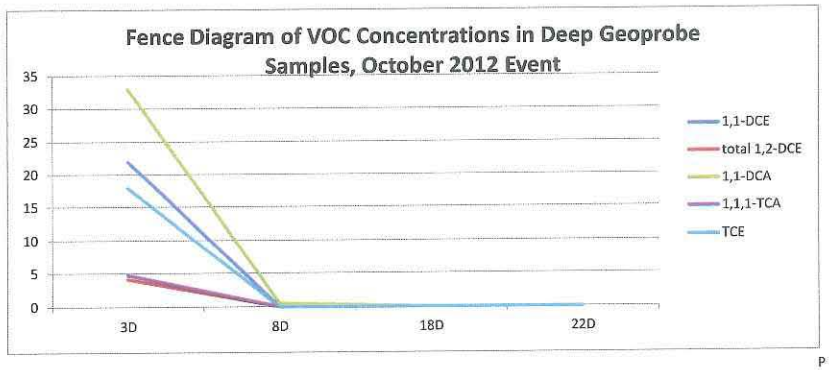


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Table 3
Data and Plots of Geoprobe Sampling Points Exceeding MCLs from 2007 to 2012
Central Wire Union Plant

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

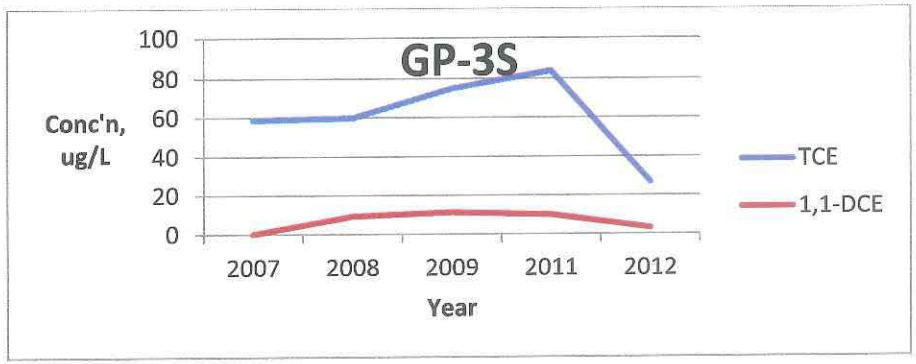
	2007	2008	2009	2011	2012
TCE	**11**	4.5	0	**7**	**18**
1,1-DCE	**8.9**	**17**	**11**	**17**	**22**

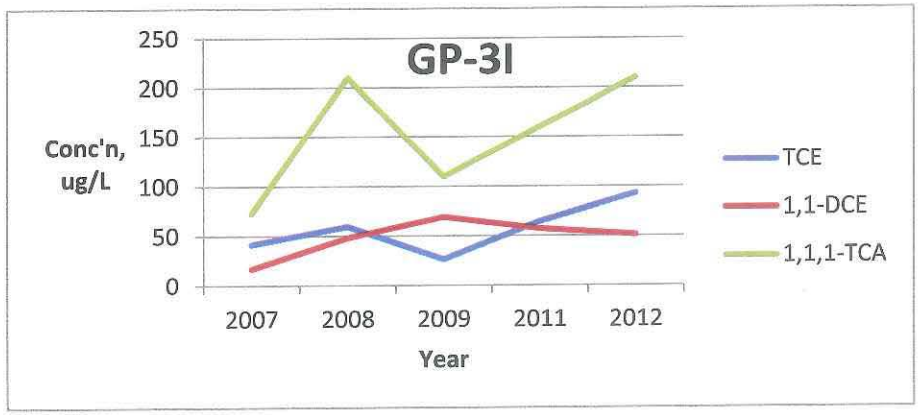
GP-8S

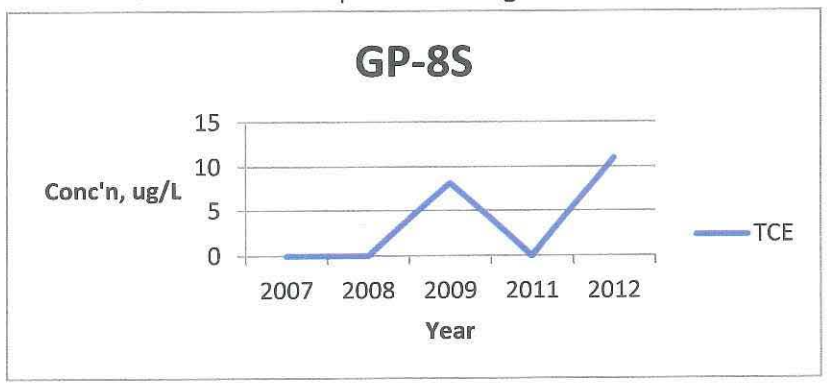
	2007	2008	2009	2011	2012
TCE	-	0	**8.2**	0	**11**

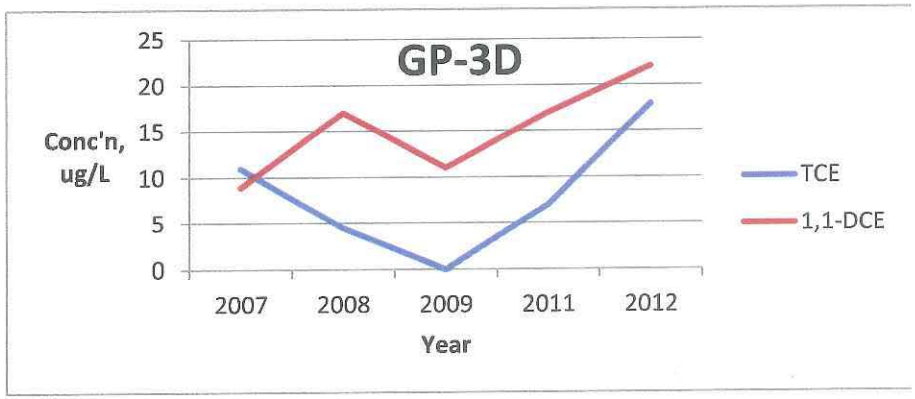
Bold = exceeds MCL

\- = element not sampled for during this round









ATTACHMENT 1

HISTORICAL GEOPROBE DATA

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	**9.7**	**57**	**17**	2.3	-	-	-	-	-	-	-	-	-	-	-	3.5	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	—	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	7.4	3.3	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60 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	-	-	-	-	-	-	-	-	-	-	-	-	-	93	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**84**	**65**	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	-	-	0.15 J	-	-	7.7	6	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**	**69**	**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	-	-	-	5.5	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	1.8	52	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	33	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	120	110	-	26	-	-	-	-	-	-	-	-	-	-	-	34	1.3	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**75**	**27**	-	**8.2**	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	11	13	15	-	-	-	1.5	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 contaminanant 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	**9.1/5.8**	**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	26	-	-	-	-	-	170	26	3.7	15	5.3	-	-	5.3	100	-	-	59	-	-
1,2-Dichloroethane	8260B	µg/L	5				-	-	-	-			-	-	-			-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	**60/50**	**60/56**	**3.8/4.5**	-	-	-	-	-	-	**110**	**6.6**	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'

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS

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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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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
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)

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	

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*

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? 500-51291
Compliance Monitoring

Client Name: Central Wire (Tech alloy) Client #:
Address: 6509 Olson Rd.
City/State/Zip Code: Union IL 60010
Project Manager: Jack Thorson
Telephone Number: 262.237.1130 Fax:
Sampler Name: (Print Name) J. Thorson
Sampler Signature: J. Thorson

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

E-mail address:

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

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 (SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other)	HNO_3	HCl	NaOH	H_2SO_4	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:

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

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:

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	

TestAmerica

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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

Review your project results through TotalAccess

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Visit us at: www.testamericainc.com

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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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

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
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) (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)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-131)	(80-120)	(79-120)	(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

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

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*

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

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

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

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

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

Matrix: Water

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

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

Matrix: Water

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

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

Matrix: Water

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 CHICAGO — THE LEADER IN ENVIRONMENTAL TESTING

☐ 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 Thorsen

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	Unpreserved	HCl			VOCs							Remarks
1	1	10/15/12	3:00		X	Decon GP-22	Water	3					✓							
2	2	10/15/12	3:47		X	GP-08 85ft.		3												
3	3	10/16/12	8:45			GP-08 57ft		3												
4	4	10/16/12	10:17			GP-08 27 ft		3												
5	5	10/16/12	11:44			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		3												
10	10	10/16/12	4:57			GP-16 27 ft.		3												
11	11	10/17/12	10:12			GP-17 85 ft		3												
12	12	10/17/12	10:47			GP-17 57 ft.		3												
13	13	10/17/12	11:27			GP-17 27 ft		3												
14	14	10/17/12	1:24			GP-19 80 ft		3												
15	15	10/17/12	2:34			GP-19 57 ft		3												

Relinquished By: (signature)	Date	Time	Received By: (signature)
Jack Thorsen	10/18/12	12:00	Sherri Scott 10/19/12 0950

Original Report and Invoice to Magellan Project Manager:

Copy Report to Consulting Project Engineer (name and company): Jack Thorsen

address: Autumnwood ESH Consultants Inc 6539 Autumnwood Ct. Mt. Pleasant WI 53403

phone: 262 237 1130

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.

Page: 1 of 2

11/1/2012

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

AFE#:

Sampler (printed name and signature): Jack Thorsen JW Thorsen

Date:

Received on Ice? Yes (circled) 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			Decon 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			Decon GP-20								
22	7	10/16/12	10:30			Decon GP-08								
23	8					Trip Blank		6						Added by TA
	9													
	10													
	11													
	12													
	13													
	14													
	15													

Relinquished By: (signature)	Date	Time	Received By: (signature)	
JW Thorsen	12:00	55 ~~70~~	Sherri Scott 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):

☐ 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

address:

phone:

Notes:

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.
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Additional charges may be assessed to dispose of sample remainders.

Page: 2 of 2

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	