



C&S Companies
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April 26, 2013

Mr. Jaspal Singh Walia, P.E.
NYSDEC Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: *Summary Report of Confirmatory Sampling at Deep Excavation Area*
BCP Site No. C915260
1001 Main Street in Buffalo, New York

Mr. Walia:

This correspondence provides a summary of the test pit investigation that was completed on April 14th and 15th at 1001 Main Street by C&S Engineers. The objective of the investigation was to assess final remedial excavation depths required in the area of the site where deep excavation of soil (approximately 40 feet total depth) was identified in the approved August 2012 Remedial Investigation/Interim Remedial Measures Work Plan (“IRM”). The IRM states the goal of the soil remediation is to meet the Commercial Use Soil Cleanup Objectives (“SCOs”).

SUBSURFACE INVESTIGATION

As identified in the IRM work plan, the site is being excavated to a base elevation of 26 feet below ground surface (“BGS”). The IRM work plan identified an additional “deep excavation” area (in the area of the presumed source) on the western side of the site that was to extend to approximately 38 to 40 feet bgs.

To facilitate construction, several temporary sumps were installed to help dewater the deeper soils. During excavation for the sumps in the “deep excavation” area, running sands were encountered at approximately 32 to 34 feet of total depth, which created excavation integrity issues and raise concerns about the logistics required to complete the deep excavation required in the IRM.

To facilitate planning for the deep excavation activities, C&S decided to pre-sample areas at the IRM-prescribed depth to verify compliance with the Commercial Use SCO goal established in the IRM.

The soil samples were obtained using a track mounted excavator. Sample locations were based on the estimated deep excavation area and the 30x30 foot confirmatory sampling grid established in the IRM (Figure 1). The site grid in this area and the test pits excavated are as follows:

- East – west trending grids consisted of D grid (the northernmost grid) through J grid (the southernmost grid); and
- North – south trending grids consisted of #2 grid (the westernmost grid) through # 6 grid (the easternmost grid).

A total of 22 test pits were excavated as part of this investigation (Table 1): three test pits were excavated to 16 feet below the current ground surface (42 total feet bgs) and 21 were excavated to 14 feet below the current ground surface (40 total feet bgs), although in several cases the pits were closed prior to 14 feet due to running sands and hole integrity issues.

The breathing area and soils were continuously monitored for volatile organic compounds (VOCs) with a Minirae photo-ionization detector (PID).

Soil samples were collected at a depth 14 feet at each test pit where the test pit remained open long enough for sampling purposes, and at a depth of 16 feet at three locations. Soil samples from each sampled interval were also placed in plastic bags, sealed and then screened with a PID for the presence of VOCs. Soil types, odors, soil staining, the presence of groundwater and PID readings were noted at each test pit excavation and are described in Table 1.

FIELD OBSERVATIONS

Medium brown fine sand with some silt and in some places red brown clay at depth was encountered in all of the test pits. However, in most of the test pits, stained and discolored soils were encountered at approximately six to eight feet below the present ground level. In many instances, black groundwater was also encountered within this zone, some of which may have contained weathered product.

Head space screening of bagged samples with a PID gave values ranging from 35.0 ppm at E -2, to 15,000 ppm at E – 6 and H – 2 and averaged 2151 ppm (Table 1).

Respective soil samples for analysis were collected directly from the excavator bucket and placed directly into pre-cleaned certified Terracore sample vials, placed on ice, and shipped to Test America daily for analysis of VOCs using Method 8260 on a 24 hour turnaround time. A total of 20 soil samples were submitted to the contract laboratory for analysis: seventeen representative soil samples from 14 feet below present ground surface and three representative soil samples from 16 feet below present ground surface.

ANALYTICAL RESULTS

Confirmatory analytical results indicated the presence of VOCs benzene, ethylbenzene, toluene and xylenes in most samples. Comparison of the analytical results to Part 375 Commercial Use SCOs indicates that VOCs above the commercial SCO were present only at grid location H – 2. The 16 remaining locations contained VOCs below Commercial Use SCOS. Figure 1 shows the sample locations and areas that meet the required cleanup objectives. A data summary table is provided in Table 2 and the full laboratory reports are provided in Appendix A.

CONCLUSIONS

This test pit investigation of deep soils at the 1001 Main Street shows that 16 locations in the “deep excavation” area do not exceed the NYCRR Part 375 SCOs for commercial use at 40 feet below the original ground surface. We request concurrence of this conclusion and approval to

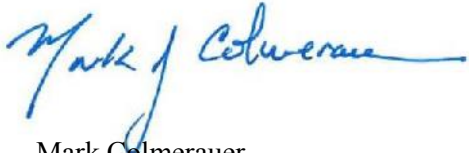
NYSDEC
April 26, 2013
Page 3

backfill the areas designated on Figure 1 once the remedial excavation depth of 40 feet bgs has been achieved.

Should you have any questions regarding this proposal or require additional information, please feel free to contact me at (716) 847-1630.

Sincerely,

C&S ENGINEERS, INC.



Mark Colmerauer
Regional Environmental Service Manager

Figure 1 – Confirmatory Sample Locations and Results

Table 1 – Test Pit Summary Table

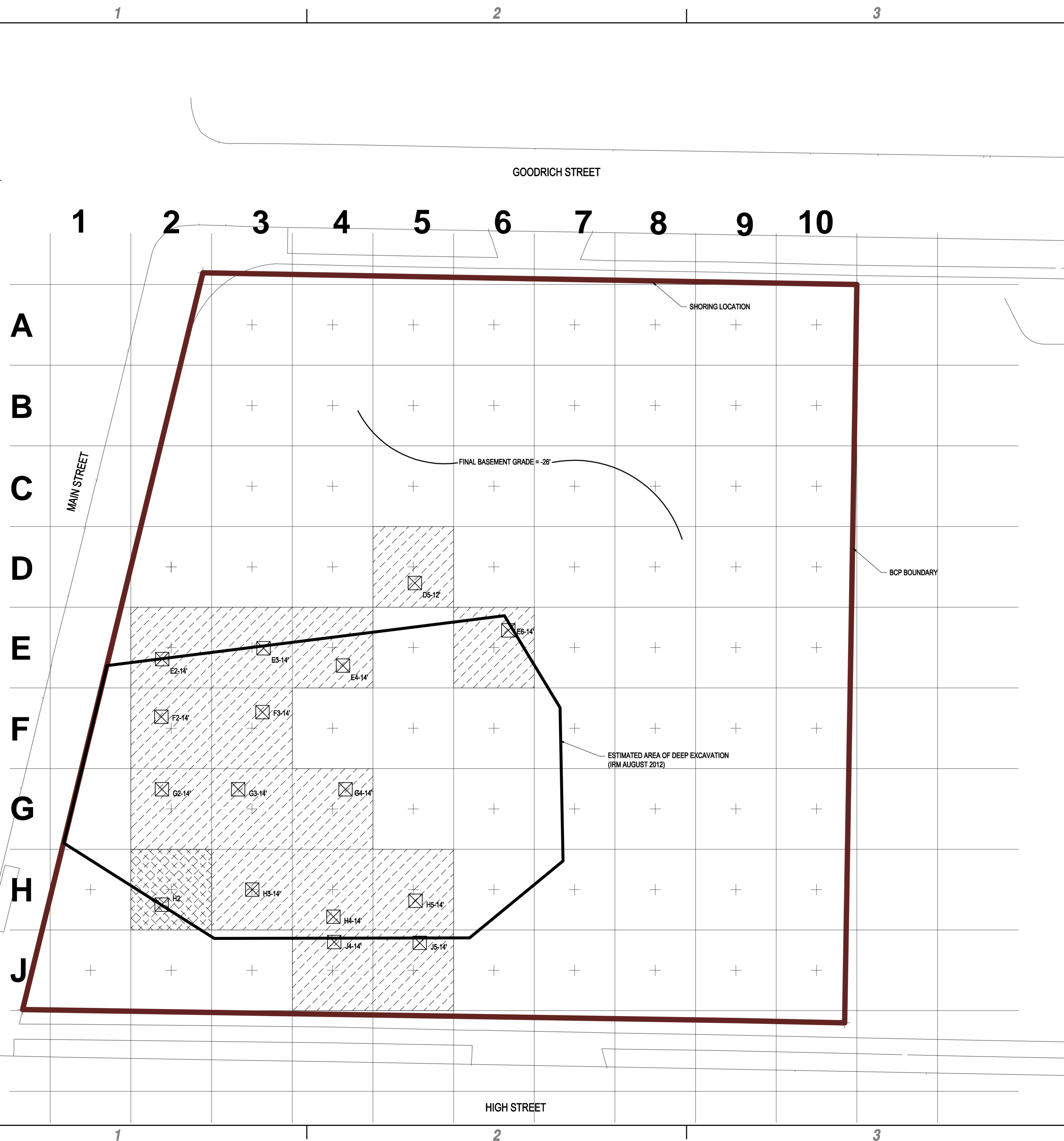
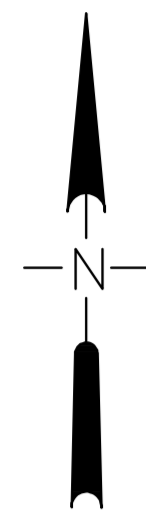
Table 2– Summary of Analytical Data

Appendix A – Laboratory Analytical Reports

cc: D. Elia, LP Ciminelli
D. Juron-Borgese, Ciminelli Real Estate Corporation
M. Mariacher, Kaleida Properties

f:\project\k11-kaleida health\k11.002.001 - mob brownfield cleanup program\environmental-study\technical info\test pits\deep area test pits\mob deep test pit summary report.docx

Apr 24, 2013 - 3:34pm \\csefile\eng\Project\K11-Kaleida_Health\K11.002.001 - MOB Brownfield Cleanup Program\Environmental-study\CAD-GIS\CAD\Deep Excavation Confirmatory Sample.dwg



LEGEND:

- J5-14' CLOSURE SAMPLE LOCATION
SAMPLE ID & DEPTH FROM EXISTING GRADE (-26')
- SAMPLE GRID AND CENTER POINT
- CONFIRMATORY SAMPLING - MEETS COMMERCIAL USE S.C.O.
- CONFIRMATORY SAMPLING EXCEEDS COMMERCIAL USE S.C.O.



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Buffalo, New York 14203
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Fax: 716-847-1454
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**MOB
1001 MAIN STREET
BUFFALO, NEW YORK**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: K11.002.001		
DATE: 4-24-13		
DRAWN BY: SS		
DESIGNED BY: MC		
CHECKED BY: -		
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW		

**DEEP EXCAVATION
CONFIRMATORY
SAMPLING
APRIL 18 -19, 2013**

FIGURE 1

TABLE 1
Test Pits for Deep Excavation
Medical Office Building at 1001 Main Street
Buffalo, New York

<i>Test Pit #</i>	<i>Date</i>	<i>Total Depth (feet bgs)</i>	<i>Exc. Depth (feet)</i>	<i>Description of Soil and Conditions</i>	<i>Groundwater</i>	<i>Sample to Lab</i>	<i>Bag Sample PID Reading</i>	<i>Meets Commercial Std</i>
D-5	4/18/2013	38	12	Medium brown sand with black staining at ~6 - 8'. Hole collapsing, so sample collected at 12'. Black soil collapsed to bottom of hole. Sample integrity questionable.	Yes~ 8'	D5 @ 12'	71.0 ppm	Yes
E-2	4/18/2013	42	16	Medium brown sand to total depth.	Yes~ 16'	E2-1 @ 13.5' E2-2 @ 16'	105.0 ppm 35.0 ppm	Yes @ 14' Yes @ 16'
E-3	4/18/2013	40	14	Medium brown sand with discolored soils at ~8'. Black groundwater and poss. product entering exc. and collecting in the bottom of the excavation.	Yes ~ 8.0'	E3-1 @ 14'	160.0 ppm	Yes
E-4	4/18/2013	40	14	Medium brown sand to ~7.0'. Poss. product and groundwater running into the bottom of the excavation from ~7.0'.	Yes ~ 7.0'	E4-1 @ 14.0'	393.0 ppm	Yes
E-5	4/18/2013	36	~10	Hole would not stay open. Significant caving of the excavation. Test pit abandoned - running sands	Yes	None	599.0 ppm	Not Sampled
E-6	4/19/2013	40	14	Medium brown sand with some discoloration at ~ 8'. medium brown sand with clay at depth. Hole caving.	Yes Undetermined depth	E6-1 @ 14' ?	15,000.0 ppm	Yes
F-2	4/18/2013	40	14	Medium brown sand with gray stained sand at ~8.0' Strong odor.	Yes ~ 8.0'	F2-1 @ 14'	62.0 ppm	Yes

C & S

13-Apr

TABLE 1
Test Pits for Deep Excavation
Medical Office Building at 1001 Main Street
Buffalo, New York

Test Pit #	Date	Total Depth (feet bgs)	Exc. Depth (feet)	Description of Soil and Conditions	Groundwater	Sample to Lab	Bag Sample PID Reading	Meets Commercial Std
F-3	4/18/2013	40	14	Medium brown sands with black stained soils at ~4.0' (750 ppm PID reading). Hole caving problems.	Yes ~ 8.0'	F3-1 @ 14'	57.0 ppm	Yes
F-4	4/18/2013	NA	NA	Hole collapsed due to running sands	NA	NA	NA	Not Sampled
F-5	4/18/2013	36	10	Medium brown sand with black stained sand at ~7.0' Coarse sand at depth with significant collapsing of the hole. Abandoned @ 10.0' as hole collapsed	Yes ~ 8.0'	None	686.0 ppm	Not Sampled
G-2	19-Apr	40-42	16	Medium brown sand with no discolored soils until 16'.	No	G2-1 @ 14' G2-2 @ 16'	2,000.0 ppm 120.0 ppm	Yes @ 14' Yes @ 16'
G-3	4/19/2013	40	14	Medium brown sand to total depth with some discoloration at 10-14'. Red-brown clay at 14'.	No	G3-1 @ 14'	196.0ppm	Yes
G-4	4/18/2013	40	14	Medium brown sand with no staining of soils to 12'. At 12', groundwater and black stained soils, but no petroleum odors.	Yes ~ 12.0'	G4-1 @ 14'	375.0 ppm	Yes
G-5	4/19/2013	35	9	Medium brown sand with lots of black stained soils and groundwater starting at ~ 6 to 8'. Hole cave in & was abandoned.	Yes ~ 6 - 8'	None	NA	Not Sampled
H-2	4/19/2013	42	16	Medium brown sand with no product or soil	Yes	H2-1 @ 14'	340.0 ppm	

TABLE 1
Test Pits for Deep Excavation
Medical Office Building at 1001 Main Street
Buffalo, New York

<i>Test Pit #</i>	<i>Date</i>	<i>Total Depth (feet bgs)</i>	<i>Exc. Depth (feet)</i>	<i>Description of Soil and Conditions</i>	<i>Groundwater</i>	<i>Sample to Lab</i>	<i>Bag Sample PID Reading</i>	<i>Meets Commercial Std</i>
				discoloration. Some groundwater entering the excavation.		H2-2 @ 16'	15,000.0 ppm	No @ 16 ft
H-3	4/19/2013	40	14	Medium brown sand with black stained soil at 6 to 8'. Poss. product and groundwater coming in excavation and slumping of the black stained soil into the botom of the pit.	Yes ~ 6 - 8'	H3-1	6,000.0 ppm	Yes
H-4	4/19/2013	40	14	Medium brown sand to 8', then medium grey sand with strong odor.	No	H4-1	1,400.0 ppm	Yes
H-5	4/18/2013	40	14	Medium brown sand to total depth.	Yes ~12.0'	H5-1 @ 14'	387.0 ppm	Yes
J-5	4/18/2013	40	14	Medium brown sand to total depth.	No	J5-1 @ 14'	47.0 ppm	Yes
J-4	4/18/2013	40	14'	Medium brown sand to total depth.	No	J4-1 @ 14'	84.0 ppm	Yes

**TABLE 2
SUMMARY OF DETECTED ANALYTES
April 2013 Pre-Construction Confirmatory Sampling**

Contaminant	CAS Number	Commercial	Sample ID																		
			D5	E2-1	E2-2	E3	E4	E6	F2	F3	G2	G2-2	G3	G4	H2-1	H2-2	H3	H4	H5	J4	J5
Volatile organic compounds			12'	14'	16'	14'	14'	14'	14'	14'	14'	16'	14'	14'	14'	16'	14'	14'	14'	14'	
1,2-Dichloroethane	107-06-2	30					0.005														
Acetone	67-64-1	500 ^b					.011 J			.0041 J											
Benzene	71-43-2	44				0.38		0.1	0.076		18.0	0.096	0.34	0.064	0.840	57.0	0.044	4.4	3.7	0.085	0.00064 J
Ethylbenzene	100-41-4	390	0.011		.0029J	1.6	0.00084 J	0.57	0.078	0.0035 J	19.0	0.0061	0.072	0.033	0.61	73.0	0.019	0.460	0.590	0.061	0.0071
Methyl ethyl ketone	78-93-3	500 ^b	.0039 J																		
Methylene chloride	75-09-2	500 ^b					0.0044											5.1 J			
Toluene	108-88-3	500 ^b	0.015	0.00097J	0.0024 JB	2700.0	0.0024 J	1.4	0.14	0.0011 J	53.0	0.0077 B	0.320	0.03 B	1.9	310.0	0.071 B	6.0	6.5	0.510	0.0081
Xylene (mixed)	1330-20-7	500 ^b	0.053	0.0013 J	.015 B	11.0	.003 J	4.9	0.17	0.0016 J	120.0	0.0049 JB	0.27	0.19 B	4.2	500.0	0.088 B	3.1	3.4	0.4	0.048

☐ = compound not detected

APPENDIX A - ANALYTICAL DATA REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-36618-1

Client Project/Site: 979-1001 Main St., Buffalo Brownfields

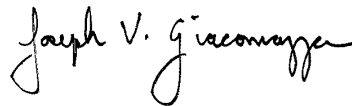
For:

C&S Engineers, Inc.

90 Broadway

Buffalo, New York 14203

Attn: Mr. Mark Colmerauer



Authorized for release by:

4/19/2013 3:40:33 PM

Joe Giacomazza

Project Administrator

joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman

Project Manager II

sally.hoffman@testamericainc.com

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

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

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

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Definitions/Glossary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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.
E	Result exceeded calibration range.

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Job ID: 480-36618-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-36618-1

Receipt

The samples were received on 4/18/2013 5:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: H5 14' (480-36618-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were analyzed utilizing medium level techniques to bring the concentration of target analytes within the calibration range: E3 14' (480-36618-1), H5 14' (480-36618-3), J4 14' (480-36618-8). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch methylene chloride contained 113849 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E3 14'

Lab Sample ID: 480-36618-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	380		47	2.2	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane	550		47	10	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	1600		47	14	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	96		47	7.0	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	770		47	22	ug/Kg	1	☒	8260B	Total/NA
Toluene	2700		47	13	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	11000		94	7.9	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: E4 14'

Lab Sample ID: 480-36618-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	5.0		4.1	0.21	ug/Kg	1	☒	8260B	Total/NA
Acetone	11	J	21	3.5	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	0.84	J	4.1	0.28	ug/Kg	1	☒	8260B	Total/NA
Methylene Chloride	4.4		4.1	1.9	ug/Kg	1	☒	8260B	Total/NA
Toluene	2.4	J	4.1	0.31	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	3.0	J	8.3	0.69	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: H5 14'

Lab Sample ID: 480-36618-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dibromoethane	38	J	48	1.8	ug/Kg	1	☒	8260B	Total/NA
Benzene	3300		48	2.3	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane	220		48	11	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	540		48	14	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	13	J	48	7.3	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	180		48	23	ug/Kg	1	☒	8260B	Total/NA
Toluene	5700	E	48	13	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	3400		97	8.1	ug/Kg	1	☒	8260B	Total/NA
1,2-Dibromoethane - DL	34	J	97	3.7	ug/Kg	2	☒	8260B	Total/NA
Benzene - DL	3700		97	4.6	ug/Kg	2	☒	8260B	Total/NA
Ethylbenzene - DL	590		97	28	ug/Kg	2	☒	8260B	Total/NA
Methylcyclohexane - DL	130		97	45	ug/Kg	2	☒	8260B	Total/NA
Toluene - DL	6500		97	26	ug/Kg	2	☒	8260B	Total/NA

Client Sample ID: F2 14'

Lab Sample ID: 480-36618-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	76		5.0	0.25	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane	140		5.0	0.71	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	78		5.0	0.35	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	5.4		5.0	0.76	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	43		5.0	0.77	ug/Kg	1	☒	8260B	Total/NA
Toluene	140		5.0	0.38	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	170		10	0.85	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: J5 14'

Lab Sample ID: 480-36618-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.64	J	4.0	0.20	ug/Kg	1	☒	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: J5 14' (Continued)

Lab Sample ID: 480-36618-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.1		4.0	0.28	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	6.6		4.0	0.61	ug/Kg	1	☼	8260B	Total/NA
Toluene	8.1		4.0	0.30	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	48		8.0	0.67	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: F3 14'

Lab Sample ID: 480-36618-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	22	3.6	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	0.35	J	4.3	0.30	ug/Kg	1	☼	8260B	Total/NA
Toluene	1.1	J	4.3	0.33	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	1.6	J	8.6	0.73	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: D5 12'

Lab Sample ID: 480-36618-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.9	J	25	1.9	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	11		5.1	0.35	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	9.8		5.1	0.77	ug/Kg	1	☼	8260B	Total/NA
Toluene	15		5.1	0.38	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	53		10	0.85	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: J4 14'

Lab Sample ID: 480-36618-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	48		4.3	0.21	ug/Kg	1	☼	8260B	Total/NA
Benzene	85		46	2.2	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	29	J	46	10	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	40		4.3	0.30	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	61		46	13	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	1.1	J	4.3	0.65	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	11		4.3	0.65	ug/Kg	1	☼	8260B	Total/NA
Toluene	280	E	4.3	0.32	ug/Kg	1	☼	8260B	Total/NA
Toluene	510		46	12	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	250		8.6	0.72	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	400		91	7.7	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: E2-1 14'

Lab Sample ID: 480-36618-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.97	J	6.1	0.46	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	1.3	J	12	1.0	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E3 14'

Lab Sample ID: 480-36618-1

Date Collected: 04/18/13 10:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		47	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,1,2,2-Tetrachloroethane	ND		47	7.6	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,1,2-Trichloroethane	ND		47	9.8	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,1-Dichloroethane	ND		47	14	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,1-Dichloroethene	ND		47	16	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2,4-Trichlorobenzene	ND		47	18	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2-Dibromo-3-Chloropropane	ND		47	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2-Dibromoethane	ND		47	1.8	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2-Dichlorobenzene	ND		47	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2-Dichloroethane	ND		47	19	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,2-Dichloropropane	ND		47	7.6	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,3-Dichlorobenzene	ND		47	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
1,4-Dichlorobenzene	ND		47	6.6	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
2-Hexanone	ND		230	96	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
2-Butanone (MEK)	ND		230	140	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		230	15	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Acetone	ND		230	190	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Benzene	380		47	2.2	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Bromodichloromethane	ND		47	9.4	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Bromoform	ND		47	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Bromomethane	ND		47	10	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Carbon disulfide	ND		47	21	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Carbon tetrachloride	ND		47	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Chlorobenzene	ND		47	6.2	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Dibromochloromethane	ND		47	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Chloroethane	ND		47	9.7	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Chloroform	ND		47	32	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Chloromethane	ND		47	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
cis-1,2-Dichloroethene	ND		47	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
cis-1,3-Dichloropropene	ND		47	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Cyclohexane	550		47	10	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Dichlorodifluoromethane	ND		47	20	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Ethylbenzene	1600		47	14	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Isopropylbenzene	96		47	7.0	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Methyl acetate	ND		47	22	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Methyl tert-butyl ether	ND		47	18	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Methylcyclohexane	770		47	22	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Methylene Chloride	ND		47	9.3	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Styrene	ND		47	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Tetrachloroethene	ND		47	6.3	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Toluene	2700		47	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
trans-1,2-Dichloroethene	ND		47	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
trans-1,3-Dichloropropene	ND		47	2.2	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Trichloroethene	ND		47	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Trichlorofluoromethane	ND		47	22	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Vinyl chloride	ND		47	16	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1
Xylenes, Total	11000		94	7.9	ug/Kg	☼	04/18/13 00:34	04/19/13 04:33	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E3 14'

Date Collected: 04/18/13 10:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-1

Matrix: Solid

Percent Solids: 85.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	04/18/13 00:34	04/19/13 04:33	1
Toluene-d8 (Surr)	84		50 - 149	04/18/13 00:34	04/19/13 04:33	1
4-Bromofluorobenzene (Surr)	85		49 - 148	04/18/13 00:34	04/19/13 04:33	1

Client Sample ID: E4 14'

Date Collected: 04/18/13 11:00

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-2

Matrix: Solid

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.1	0.30	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,1,2,2-Tetrachloroethane	ND		4.1	0.67	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,1,2-Trichloroethane	ND		4.1	0.54	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1	0.94	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,1-Dichloroethane	ND		4.1	0.50	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,1-Dichloroethene	ND		4.1	0.51	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2,4-Trichlorobenzene	ND		4.1	0.25	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2-Dibromo-3-Chloropropane	ND		4.1	2.1	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2-Dibromoethane	ND		4.1	0.53	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2-Dichlorobenzene	ND		4.1	0.32	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2-Dichloroethane	5.0		4.1	0.21	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,2-Dichloropropane	ND		4.1	2.1	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,3-Dichlorobenzene	ND		4.1	0.21	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
1,4-Dichlorobenzene	ND		4.1	0.58	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
2-Butanone (MEK)	ND		21	1.5	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Acetone	11 J		21	3.5	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Benzene	ND		4.1	0.20	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Bromodichloromethane	ND		4.1	0.55	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Bromoform	ND		4.1	2.1	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Bromomethane	ND		4.1	0.37	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Carbon disulfide	ND		4.1	2.1	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Carbon tetrachloride	ND		4.1	0.40	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Chlorobenzene	ND		4.1	0.54	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Dibromochloromethane	ND		4.1	0.53	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Chloroethane	ND		4.1	0.93	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Chloroform	ND		4.1	0.26	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Chloromethane	ND		4.1	0.25	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
cis-1,2-Dichloroethene	ND		4.1	0.53	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
cis-1,3-Dichloropropene	ND		4.1	0.59	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Cyclohexane	ND		4.1	0.58	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Dichlorodifluoromethane	ND		4.1	0.34	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Ethylbenzene	0.84 J		4.1	0.28	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Isopropylbenzene	ND		4.1	0.62	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Methyl acetate	ND		4.1	0.77	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Methyl tert-butyl ether	ND		4.1	0.41	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Methylcyclohexane	ND		4.1	0.63	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Methylene Chloride	4.4		4.1	1.9	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Styrene	ND		4.1	0.21	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E4 14'

Lab Sample ID: 480-36618-2

Date Collected: 04/18/13 11:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.1	0.55	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Toluene	2.4	J	4.1	0.31	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
trans-1,2-Dichloroethene	ND		4.1	0.43	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
trans-1,3-Dichloropropene	ND		4.1	1.8	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Trichloroethene	ND		4.1	0.91	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Trichlorofluoromethane	ND		4.1	0.39	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Vinyl chloride	ND		4.1	0.50	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Xylenes, Total	3.0	J	8.3	0.69	ug/Kg	☼	04/19/13 01:34	04/19/13 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126				04/19/13 01:34	04/19/13 02:15	1
Toluene-d8 (Surr)	99		71 - 125				04/19/13 01:34	04/19/13 02:15	1
4-Bromofluorobenzene (Surr)	99		72 - 126				04/19/13 01:34	04/19/13 02:15	1

Client Sample ID: H5 14'

Lab Sample ID: 480-36618-3

Date Collected: 04/18/13 14:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		48	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,1,2,2-Tetrachloroethane	ND		48	7.9	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,1,2-Trichloroethane	ND		48	10	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48	24	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,1-Dichloroethane	ND		48	15	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,1-Dichloroethene	ND		48	17	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2,4-Trichlorobenzene	ND		48	18	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2-Dibromo-3-Chloropropane	ND		48	24	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2-Dibromoethane	38	J	48	1.8	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2-Dichlorobenzene	ND		48	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2-Dichloroethane	ND		48	20	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,2-Dichloropropane	ND		48	7.8	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,3-Dichlorobenzene	ND		48	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
1,4-Dichlorobenzene	ND		48	6.8	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
2-Hexanone	ND		240	99	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
2-Butanone (MEK)	ND		240	140	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		240	15	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Acetone	ND		240	200	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Benzene	3300		48	2.3	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Bromodichloromethane	ND		48	9.7	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Bromoform	ND		48	24	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Bromomethane	ND		48	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Carbon disulfide	ND		48	22	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Carbon tetrachloride	ND		48	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Chlorobenzene	ND		48	6.4	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Dibromochloromethane	ND		48	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Chloroethane	ND		48	10	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Chloroform	ND		48	33	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Chloromethane	ND		48	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
cis-1,2-Dichloroethene	ND		48	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: H5 14'

Lab Sample ID: 480-36618-3

Date Collected: 04/18/13 14:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		48	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Cyclohexane	220		48	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Dichlorodifluoromethane	ND		48	21	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Ethylbenzene	540		48	14	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Isopropylbenzene	13 J		48	7.3	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Methyl acetate	ND		48	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Methyl tert-butyl ether	ND		48	18	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Methylcyclohexane	180		48	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Methylene Chloride	ND		48	9.6	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Styrene	ND		48	12	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Tetrachloroethene	ND		48	6.5	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Toluene	5700 E		48	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
trans-1,2-Dichloroethene	ND		48	11	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
trans-1,3-Dichloropropene	ND		48	2.3	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Trichloroethene	ND		48	13	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Trichlorofluoromethane	ND		48	23	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Vinyl chloride	ND		48	16	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Xylenes, Total	3400		97	8.1	ug/Kg	☼	04/18/13 00:34	04/19/13 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	93		53 - 146				04/18/13 00:34	04/19/13 04:55	1
<i>Toluene-d8 (Surr)</i>	96		50 - 149				04/18/13 00:34	04/19/13 04:55	1
<i>4-Bromofluorobenzene (Surr)</i>	93		49 - 148				04/18/13 00:34	04/19/13 04:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		97	27	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,1,2,2-Tetrachloroethane	ND		97	16	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,1,2-Trichloroethane	ND		97	20	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		97	48	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,1-Dichloroethane	ND		97	30	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,1-Dichloroethene	ND		97	33	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2,4-Trichlorobenzene	ND		97	37	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2-Dibromo-3-Chloropropane	ND		97	48	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2-Dibromoethane	34 J		97	3.7	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2-Dichlorobenzene	ND		97	25	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2-Dichloroethane	ND		97	40	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,2-Dichloropropane	ND		97	16	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,3-Dichlorobenzene	ND		97	26	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
1,4-Dichlorobenzene	ND		97	14	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
2-Hexanone	ND		480	200	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
2-Butanone (MEK)	ND		480	290	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
4-Methyl-2-pentanone (MIBK)	ND		480	31	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Acetone	ND		480	400	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Benzene	3700		97	4.6	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Bromodichloromethane	ND		97	19	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Bromoform	ND		97	48	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Bromomethane	ND		97	21	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Carbon disulfide	ND		97	44	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Carbon tetrachloride	ND		97	25	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: H5 14'

Lab Sample ID: 480-36618-3

Date Collected: 04/18/13 14:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		97	13	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Dibromochloromethane	ND		97	47	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Chloroethane	ND		97	20	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Chloroform	ND		97	66	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Chloromethane	ND		97	23	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
cis-1,2-Dichloroethene	ND		97	27	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
cis-1,3-Dichloropropene	ND		97	23	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Cyclohexane	ND		97	21	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Dichlorodifluoromethane	ND		97	42	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Ethylbenzene	590		97	28	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Isopropylbenzene	ND		97	15	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Methyl acetate	ND		97	46	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Methyl tert-butyl ether	ND		97	37	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Methylcyclohexane	130		97	45	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Methylene Chloride	ND		97	19	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Styrene	ND		97	23	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Tetrachloroethene	ND		97	13	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Toluene	6500		97	26	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
trans-1,2-Dichloroethene	ND		97	23	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
trans-1,3-Dichloropropene	ND		97	4.6	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Trichloroethene	ND		97	27	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Trichlorofluoromethane	ND		97	45	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Vinyl chloride	ND		97	32	ug/Kg	☼	04/18/13 00:34	04/19/13 12:35	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146				04/18/13 00:34	04/19/13 12:35	2
Toluene-d8 (Surr)	103		50 - 149				04/18/13 00:34	04/19/13 12:35	2
4-Bromofluorobenzene (Surr)	100		49 - 148				04/18/13 00:34	04/19/13 12:35	2

Client Sample ID: F2 14'

Lab Sample ID: 480-36618-4

Date Collected: 04/18/13 09:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.37	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.82	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,1,2-Trichloroethane	ND		5.0	0.66	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,1-Dichloroethane	ND		5.0	0.62	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.31	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2-Dibromoethane	ND		5.0	0.65	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: F2 14'

Lab Sample ID: 480-36618-4

Date Collected: 04/18/13 09:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.7	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Acetone	ND		25	4.2	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Benzene	76		5.0	0.25	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Bromodichloromethane	ND		5.0	0.68	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Bromomethane	ND		5.0	0.45	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Carbon tetrachloride	ND		5.0	0.49	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Chlorobenzene	ND		5.0	0.67	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Dibromochloromethane	ND		5.0	0.65	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Chloroethane	ND		5.0	1.1	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Chloroform	ND		5.0	0.31	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Chloromethane	ND		5.0	0.30	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
cis-1,2-Dichloroethene	ND		5.0	0.65	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
cis-1,3-Dichloropropene	ND		5.0	0.73	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Cyclohexane	140		5.0	0.71	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Dichlorodifluoromethane	ND		5.0	0.42	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Ethylbenzene	78		5.0	0.35	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Isopropylbenzene	5.4		5.0	0.76	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Methyl acetate	ND		5.0	0.94	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Methyl tert-butyl ether	ND		5.0	0.50	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Methylcyclohexane	43		5.0	0.77	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Methylene Chloride	ND		5.0	2.3	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Styrene	ND		5.0	0.25	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Tetrachloroethene	ND		5.0	0.68	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Toluene	140		5.0	0.38	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Trichlorofluoromethane	ND		5.0	0.48	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Vinyl chloride	ND		5.0	0.62	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1
Xylenes, Total	170		10	0.85	ug/Kg	☼	04/18/13 19:29	04/18/13 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 126	04/18/13 19:29	04/18/13 22:50	1
Toluene-d8 (Surr)	91		71 - 125	04/18/13 19:29	04/18/13 22:50	1
4-Bromofluorobenzene (Surr)	97		72 - 126	04/18/13 19:29	04/18/13 22:50	1

Client Sample ID: J5 14'

Lab Sample ID: 480-36618-5

Date Collected: 04/18/13 08:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	0.29	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,1,2,2-Tetrachloroethane	ND		4.0	0.65	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,1,2-Trichloroethane	ND		4.0	0.52	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	0.91	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,1-Dichloroethane	ND		4.0	0.49	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: J5 14'

Lab Sample ID: 480-36618-5

Date Collected: 04/18/13 08:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.0	0.49	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2,4-Trichlorobenzene	ND		4.0	0.24	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2-Dibromo-3-Chloropropane	ND		4.0	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2-Dibromoethane	ND		4.0	0.51	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2-Dichlorobenzene	ND		4.0	0.31	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2-Dichloroethane	ND		4.0	0.20	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,2-Dichloropropane	ND		4.0	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,3-Dichlorobenzene	ND		4.0	0.21	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
1,4-Dichlorobenzene	ND		4.0	0.56	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
2-Hexanone	ND		20	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
2-Butanone (MEK)	ND		20	1.5	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		20	1.3	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Acetone	ND		20	3.4	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Benzene	0.64	J	4.0	0.20	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Bromodichloromethane	ND		4.0	0.54	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Bromoform	ND		4.0	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Bromomethane	ND		4.0	0.36	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Carbon disulfide	ND		4.0	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Carbon tetrachloride	ND		4.0	0.39	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Chlorobenzene	ND		4.0	0.53	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Dibromochloromethane	ND		4.0	0.51	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Chloroethane	ND		4.0	0.91	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Chloroform	ND		4.0	0.25	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Chloromethane	ND		4.0	0.24	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
cis-1,2-Dichloroethene	ND		4.0	0.51	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
cis-1,3-Dichloropropene	ND		4.0	0.58	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Cyclohexane	ND		4.0	0.56	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Dichlorodifluoromethane	ND		4.0	0.33	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Ethylbenzene	7.1		4.0	0.28	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Isopropylbenzene	ND		4.0	0.60	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Methyl acetate	ND		4.0	0.75	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Methyl tert-butyl ether	ND		4.0	0.39	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Methylcyclohexane	6.6		4.0	0.61	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Methylene Chloride	ND		4.0	1.8	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Styrene	ND		4.0	0.20	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Tetrachloroethene	ND		4.0	0.54	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Toluene	8.1		4.0	0.30	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
trans-1,2-Dichloroethene	ND		4.0	0.41	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
trans-1,3-Dichloropropene	ND		4.0	1.8	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Trichloroethene	ND		4.0	0.88	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Trichlorofluoromethane	ND		4.0	0.38	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Vinyl chloride	ND		4.0	0.49	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Xylenes, Total	48		8.0	0.67	ug/Kg	☼	04/18/13 19:29	04/18/13 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		64 - 126				04/18/13 19:29	04/18/13 23:15	1
Toluene-d8 (Surr)	98		71 - 125				04/18/13 19:29	04/18/13 23:15	1
4-Bromofluorobenzene (Surr)	103		72 - 126				04/18/13 19:29	04/18/13 23:15	1

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: F3 14'

Lab Sample ID: 480-36618-6

Date Collected: 04/18/13 10:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.70	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.99	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,1-Dichloroethane	ND		4.3	0.53	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,1-Dichloroethene	ND		4.3	0.53	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2-Dibromoethane	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2-Dichlorobenzene	ND		4.3	0.34	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,2-Dichloropropane	ND		4.3	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
1,4-Dichlorobenzene	ND		4.3	0.61	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
2-Butanone (MEK)	ND		22	1.6	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Acetone	4.1	J	22	3.6	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Benzene	ND		4.3	0.21	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Bromodichloromethane	ND		4.3	0.58	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Bromoform	ND		4.3	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Carbon disulfide	ND		4.3	2.2	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Carbon tetrachloride	ND		4.3	0.42	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Dibromochloromethane	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Chloroethane	ND		4.3	0.98	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Chloroform	ND		4.3	0.27	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Cyclohexane	ND		4.3	0.61	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Dichlorodifluoromethane	ND		4.3	0.36	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Ethylbenzene	0.35	J	4.3	0.30	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Isopropylbenzene	ND		4.3	0.65	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Methyl acetate	ND		4.3	0.80	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Methylcyclohexane	ND		4.3	0.66	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Styrene	ND		4.3	0.22	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Tetrachloroethene	ND		4.3	0.58	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Toluene	1.1	J	4.3	0.33	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
trans-1,2-Dichloroethene	ND		4.3	0.45	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Trichloroethene	ND		4.3	0.95	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Vinyl chloride	ND		4.3	0.53	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1
Xylenes, Total	1.6	J	8.6	0.73	ug/Kg	☼	04/18/13 19:29	04/18/13 23:41	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: F3 14'

Lab Sample ID: 480-36618-6

Date Collected: 04/18/13 10:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	04/18/13 19:29	04/18/13 23:41	1
Toluene-d8 (Surr)	98		71 - 125	04/18/13 19:29	04/18/13 23:41	1
4-Bromofluorobenzene (Surr)	104		72 - 126	04/18/13 19:29	04/18/13 23:41	1

Client Sample ID: D5 12'

Lab Sample ID: 480-36618-7

Date Collected: 04/18/13 14:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.1	0.37	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,1,2,2-Tetrachloroethane	ND		5.1	0.82	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,1,2-Trichloroethane	ND		5.1	0.66	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,1-Dichloroethane	ND		5.1	0.62	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,1-Dichloroethene	ND		5.1	0.62	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2,4-Trichlorobenzene	ND		5.1	0.31	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2-Dibromo-3-Chloropropane	ND		5.1	2.5	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2-Dibromoethane	ND		5.1	0.65	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2-Dichlorobenzene	ND		5.1	0.40	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2-Dichloroethane	ND		5.1	0.25	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,2-Dichloropropane	ND		5.1	2.5	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,3-Dichlorobenzene	ND		5.1	0.26	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
1,4-Dichlorobenzene	ND		5.1	0.71	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
2-Butanone (MEK)	3.9	J	25	1.9	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.7	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Acetone	ND		25	4.3	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Benzene	ND		5.1	0.25	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Bromodichloromethane	ND		5.1	0.68	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Bromoform	ND		5.1	2.5	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Bromomethane	ND		5.1	0.46	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Carbon disulfide	ND		5.1	2.5	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Carbon tetrachloride	ND		5.1	0.49	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Chlorobenzene	ND		5.1	0.67	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Dibromochloromethane	ND		5.1	0.65	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Chloroethane	ND		5.1	1.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Chloroform	ND		5.1	0.31	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Chloromethane	ND		5.1	0.31	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
cis-1,2-Dichloroethene	ND		5.1	0.65	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
cis-1,3-Dichloropropene	ND		5.1	0.73	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Cyclohexane	ND		5.1	0.71	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Dichlorodifluoromethane	ND		5.1	0.42	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Ethylbenzene	11		5.1	0.35	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Isopropylbenzene	ND		5.1	0.76	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Methyl acetate	ND		5.1	0.94	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Methyl tert-butyl ether	ND		5.1	0.50	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Methylcyclohexane	9.8		5.1	0.77	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Methylene Chloride	ND		5.1	2.3	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Styrene	ND		5.1	0.25	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: D5 12'

Lab Sample ID: 480-36618-7

Date Collected: 04/18/13 14:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.1	0.68	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Toluene	15		5.1	0.38	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
trans-1,2-Dichloroethene	ND		5.1	0.52	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
trans-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Trichloroethene	ND		5.1	1.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Trichlorofluoromethane	ND		5.1	0.48	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Vinyl chloride	ND		5.1	0.62	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Xylenes, Total	53		10	0.85	ug/Kg	☼	04/18/13 19:29	04/19/13 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126				04/18/13 19:29	04/19/13 00:06	1
Toluene-d8 (Surr)	97		71 - 125				04/18/13 19:29	04/19/13 00:06	1
4-Bromofluorobenzene (Surr)	100		72 - 126				04/18/13 19:29	04/19/13 00:06	1

Client Sample ID: J4 14'

Lab Sample ID: 480-36618-8

Date Collected: 04/18/13 09:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.3	0.31	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1,1-Trichloroethane	ND		46	13	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,1,2,2-Tetrachloroethane	ND		4.3	0.69	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1,2,2-Tetrachloroethane	ND		46	7.4	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,1,2-Trichloroethane	ND		4.3	0.56	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1,2-Trichloroethane	ND		46	9.6	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	0.98	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		46	23	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,1-Dichloroethane	ND		4.3	0.52	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1-Dichloroethane	ND		46	14	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,1-Dichloroethene	ND		4.3	0.52	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,1-Dichloroethene	ND		46	16	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2,4-Trichlorobenzene	ND		4.3	0.26	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2,4-Trichlorobenzene	ND		46	17	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2-Dibromo-3-Chloropropane	ND		4.3	2.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2-Dibromo-3-Chloropropane	ND		46	23	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2-Dibromoethane	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2-Dibromoethane	ND		46	1.7	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2-Dichlorobenzene	ND		4.3	0.33	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2-Dichlorobenzene	ND		46	12	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2-Dichloroethane	ND		4.3	0.22	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2-Dichloroethane	ND		46	19	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,2-Dichloropropane	ND		4.3	2.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,2-Dichloropropane	ND		46	7.4	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,3-Dichlorobenzene	ND		4.3	0.22	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,3-Dichlorobenzene	ND		46	12	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
1,4-Dichlorobenzene	ND		4.3	0.60	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
1,4-Dichlorobenzene	ND		46	6.4	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
2-Hexanone	ND		230	94	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: J4 14'

Lab Sample ID: 480-36618-8

Date Collected: 04/18/13 09:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		21	1.6	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
2-Butanone (MEK)	ND		230	140	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
4-Methyl-2-pentanone (MIBK)	ND		230	15	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Acetone	ND		21	3.6	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Acetone	ND		230	190	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Benzene	48		4.3	0.21	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Benzene	85		46	2.2	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Bromodichloromethane	ND		4.3	0.57	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Bromodichloromethane	ND		46	9.1	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Bromoform	ND		4.3	2.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Bromoform	ND		46	23	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Bromomethane	ND		4.3	0.39	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Bromomethane	ND		46	10	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Carbon disulfide	ND		4.3	2.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Carbon disulfide	ND		46	21	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Carbon tetrachloride	ND		4.3	0.41	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Carbon tetrachloride	ND		46	12	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Chlorobenzene	ND		4.3	0.57	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Chlorobenzene	ND		46	6.0	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Dibromochloromethane	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Dibromochloromethane	ND		46	22	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Chloroethane	ND		4.3	0.97	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Chloroethane	ND		46	9.5	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Chloroform	ND		4.3	0.26	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Chloroform	ND		46	31	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Chloromethane	ND		4.3	0.26	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Chloromethane	ND		46	11	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
cis-1,2-Dichloroethene	ND		4.3	0.55	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
cis-1,2-Dichloroethene	ND		46	13	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
cis-1,3-Dichloropropene	ND		4.3	0.62	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
cis-1,3-Dichloropropene	ND		46	11	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Cyclohexane	ND		4.3	0.60	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Cyclohexane	29 J		46	10	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Dichlorodifluoromethane	ND		4.3	0.35	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Dichlorodifluoromethane	ND		46	20	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Ethylbenzene	40		4.3	0.30	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Ethylbenzene	61		46	13	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Isopropylbenzene	1.1 J		4.3	0.65	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Isopropylbenzene	ND		46	6.8	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Methyl acetate	ND		4.3	0.80	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Methyl acetate	ND		46	22	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Methyl tert-butyl ether	ND		4.3	0.42	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Methyl tert-butyl ether	ND		46	17	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Methylcyclohexane	11		4.3	0.65	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Methylcyclohexane	ND		46	21	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Methylene Chloride	ND		4.3	2.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Methylene Chloride	ND		46	9.0	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Styrene	ND		4.3	0.21	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: J4 14'

Lab Sample ID: 480-36618-8

Date Collected: 04/18/13 09:30

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		46	11	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Tetrachloroethene	ND		4.3	0.57	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Tetrachloroethene	ND		46	6.1	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Toluene	280	E	4.3	0.32	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Toluene	510		46	12	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
trans-1,2-Dichloroethene	ND		4.3	0.44	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
trans-1,2-Dichloroethene	ND		46	11	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
trans-1,3-Dichloropropene	ND		4.3	1.9	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
trans-1,3-Dichloropropene	ND		46	2.2	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Trichloroethene	ND		4.3	0.94	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Trichloroethene	ND		46	13	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Trichlorofluoromethane	ND		4.3	0.41	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Trichlorofluoromethane	ND		46	21	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Vinyl chloride	ND		4.3	0.52	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Vinyl chloride	ND		46	15	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1
Xylenes, Total	250		8.6	0.72	ug/Kg	☼	04/18/13 19:29	04/19/13 00:57	1
Xylenes, Total	400		91	7.7	ug/Kg	☼	04/18/13 00:34	04/19/13 05:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	04/18/13 19:29	04/19/13 00:57	1
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	04/18/13 00:34	04/19/13 05:18	1
Toluene-d8 (Surr)	98		71 - 125	04/18/13 19:29	04/19/13 00:57	1
Toluene-d8 (Surr)	97		50 - 149	04/18/13 00:34	04/19/13 05:18	1
4-Bromofluorobenzene (Surr)	102		72 - 126	04/18/13 19:29	04/19/13 00:57	1
4-Bromofluorobenzene (Surr)	90		49 - 148	04/18/13 00:34	04/19/13 05:18	1

Client Sample ID: E2-1 14'

Lab Sample ID: 480-36618-9

Date Collected: 04/18/13 08:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.1	0.44	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,1,1,2-Tetrachloroethane	ND		6.1	0.99	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,1,2-Trichloroethane	ND		6.1	0.79	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.1	1.4	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,1-Dichloroethane	ND		6.1	0.74	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,1-Dichloroethene	ND		6.1	0.74	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2,4-Trichlorobenzene	ND		6.1	0.37	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2-Dibromo-3-Chloropropane	ND		6.1	3.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2-Dibromoethane	ND		6.1	0.78	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2-Dichlorobenzene	ND		6.1	0.47	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2-Dichloroethane	ND		6.1	0.30	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,2-Dichloropropane	ND		6.1	3.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,3-Dichlorobenzene	ND		6.1	0.31	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
1,4-Dichlorobenzene	ND		6.1	0.85	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
2-Hexanone	ND		30	3.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
2-Butanone (MEK)	ND		30	2.2	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Acetone	ND		30	5.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E2-1 14'

Lab Sample ID: 480-36618-9

Date Collected: 04/18/13 08:00

Matrix: Solid

Date Received: 04/18/13 17:25

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.1	0.30	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Bromodichloromethane	ND		6.1	0.81	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Bromoform	ND		6.1	3.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Bromomethane	ND		6.1	0.55	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Carbon disulfide	ND		6.1	3.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Carbon tetrachloride	ND		6.1	0.59	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Chlorobenzene	ND		6.1	0.80	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Dibromochloromethane	ND		6.1	0.78	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Chloroethane	ND		6.1	1.4	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Chloroform	ND		6.1	0.38	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Chloromethane	ND		6.1	0.37	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
cis-1,2-Dichloroethene	ND		6.1	0.78	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
cis-1,3-Dichloropropene	ND		6.1	0.87	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Cyclohexane	ND		6.1	0.85	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Dichlorodifluoromethane	ND		6.1	0.50	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Ethylbenzene	ND		6.1	0.42	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Isopropylbenzene	ND		6.1	0.92	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Methyl acetate	ND		6.1	1.1	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Methyl tert-butyl ether	ND		6.1	0.60	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Methylcyclohexane	ND		6.1	0.92	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Methylene Chloride	ND		6.1	2.8	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Styrene	ND		6.1	0.30	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Tetrachloroethene	ND		6.1	0.82	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Toluene	0.97	J	6.1	0.46	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
trans-1,2-Dichloroethene	ND		6.1	0.63	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
trans-1,3-Dichloropropene	ND		6.1	2.7	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Trichloroethene	ND		6.1	1.3	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Trichlorofluoromethane	ND		6.1	0.57	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Vinyl chloride	ND		6.1	0.74	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1
Xylenes, Total	1.3	J	12	1.0	ug/Kg	☼	04/18/13 19:29	04/19/13 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	04/18/13 19:29	04/19/13 00:31	1
Toluene-d8 (Surr)	100		71 - 125	04/18/13 19:29	04/19/13 00:31	1
4-Bromofluorobenzene (Surr)	104		72 - 126	04/18/13 19:29	04/19/13 00:31	1

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (53-146)	TOL (50-149)	BFB (49-148)
480-36618-1	E3 14'	93	84	85
480-36618-3	H5 14'	93	96	93
480-36618-3 - DL	H5 14'	106	103	100
480-36618-8	J4 14'	95	97	90
LCS 480-113535/14-A	Lab Control Sample	106	96	95
LCS 480-113535/22-A	Lab Control Sample	105	103	99
MB 480-113535/15-A	Method Blank	111	98	95
MB 480-113535/23-A	Method Blank	104	103	95

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-36618-2	E4 14'	102	99	99
480-36618-4	F2 14'	113	91	97
480-36618-5	J5 14'	105	98	103
480-36618-6	F3 14'	101	98	104
480-36618-7	D5 12'	103	97	100
480-36618-8	J4 14'	100	98	102
480-36618-9	E2-1 14'	98	100	104
LCS 480-113753/4	Lab Control Sample	97	99	101
MB 480-113753/5	Method Blank	96	98	98

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: MB 480-113535/15-A

Matrix: Solid

Analysis Batch: 113767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,1-Dichloroethane	ND		50	15	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,1-Dichloroethene	ND		50	17	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2-Dichloroethane	ND		50	20	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
2-Hexanone	ND		250	100	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
2-Butanone (MEK)	ND		250	150	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Acetone	ND		250	210	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Benzene	ND		50	2.4	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Bromodichloromethane	ND		50	10	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Bromoform	ND		50	25	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Bromomethane	ND		50	11	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Carbon disulfide	ND		50	23	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Carbon tetrachloride	ND		50	13	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Chlorobenzene	ND		50	6.6	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Dibromochloromethane	ND		50	24	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Chloroethane	ND		50	10	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Chloroform	ND		50	34	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Chloromethane	ND		50	12	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Cyclohexane	ND		50	11	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Dichlorodifluoromethane	ND		50	22	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Ethylbenzene	ND		50	15	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Isopropylbenzene	ND		50	7.5	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Methyl acetate	ND		50	24	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Methyl tert-butyl ether	ND		50	19	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Methylcyclohexane	ND		50	23	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Methylene Chloride	ND		50	9.9	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Styrene	ND		50	12	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Tetrachloroethene	ND		50	6.7	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Toluene	ND		50	13	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Trichloroethene	ND		50	14	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Trichlorofluoromethane	ND		50	23	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Vinyl chloride	ND		50	17	ug/Kg		04/18/13 22:00	04/18/13 21:58	1
Xylenes, Total	ND		100	8.4	ug/Kg		04/18/13 22:00	04/18/13 21:58	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: MB 480-113535/15-A

Matrix: Solid

Analysis Batch: 113767

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113535

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		53 - 146	04/18/13 22:00	04/18/13 21:58	1
Toluene-d8 (Surr)	98		50 - 149	04/18/13 22:00	04/18/13 21:58	1
4-Bromofluorobenzene (Surr)	95		49 - 148	04/18/13 22:00	04/18/13 21:58	1

Lab Sample ID: MB 480-113535/23-A

Matrix: Solid

Analysis Batch: 113849

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113535

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		50	14	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,1-Dichloroethane	ND		50	15	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,1-Dichloroethene	ND		50	17	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2-Dichloroethane	ND		50	20	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
2-Hexanone	ND		250	100	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
2-Butanone (MEK)	ND		250	150	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Acetone	ND		250	210	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Benzene	ND		50	2.4	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Bromodichloromethane	ND		50	10	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Bromoform	ND		50	25	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Bromomethane	ND		50	11	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Carbon disulfide	ND		50	23	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Carbon tetrachloride	ND		50	13	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Chlorobenzene	ND		50	6.6	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Dibromochloromethane	ND		50	24	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Chloroethane	ND		50	10	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Chloroform	ND		50	34	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Chloromethane	ND		50	12	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Cyclohexane	ND		50	11	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Dichlorodifluoromethane	ND		50	22	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Ethylbenzene	ND		50	15	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Isopropylbenzene	ND		50	7.5	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Methyl acetate	ND		50	24	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Methyl tert-butyl ether	ND		50	19	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Methylcyclohexane	ND		50	23	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Methylene Chloride	12.8	J	50	9.9	ug/Kg		04/18/13 00:34	04/19/13 10:48	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: MB 480-113535/23-A

Matrix: Solid

Analysis Batch: 113849

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 113535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		50	12	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Tetrachloroethene	ND		50	6.7	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Toluene	ND		50	13	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Trichloroethene	ND		50	14	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Trichlorofluoromethane	ND		50	23	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Vinyl chloride	ND		50	17	ug/Kg		04/18/13 00:34	04/19/13 10:48	1
Xylenes, Total	ND		100	8.4	ug/Kg		04/18/13 00:34	04/19/13 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	04/18/13 00:34	04/19/13 10:48	1
Toluene-d8 (Surr)	103		50 - 149	04/18/13 00:34	04/19/13 10:48	1
4-Bromofluorobenzene (Surr)	95		49 - 148	04/18/13 00:34	04/19/13 10:48	1

Lab Sample ID: LCS 480-113535/14-A

Matrix: Solid

Analysis Batch: 113767

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1250	1160		ug/Kg		93	82 - 138
1,1-Dichloroethene	1250	1020		ug/Kg		82	54 - 144
1,2-Dichlorobenzene	1250	1220		ug/Kg		98	80 - 132
1,2-Dichloroethane	1250	1370		ug/Kg		109	78 - 129
Benzene	1250	1130		ug/Kg		91	75 - 131
Chlorobenzene	1250	1200		ug/Kg		96	80 - 127
cis-1,2-Dichloroethene	1250	1160		ug/Kg		93	79 - 128
Ethylbenzene	1250	1190		ug/Kg		95	78 - 136
Methyl tert-butyl ether	1250	935		ug/Kg		75	67 - 137
Tetrachloroethene	1250	1240		ug/Kg		99	72 - 141
Toluene	1250	1190		ug/Kg		95	76 - 133
trans-1,2-Dichloroethene	1250	1050		ug/Kg		84	81 - 147
Trichloroethene	1250	1180		ug/Kg		95	77 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		53 - 146
Toluene-d8 (Surr)	96		50 - 149
4-Bromofluorobenzene (Surr)	95		49 - 148

Lab Sample ID: LCS 480-113535/22-A

Matrix: Solid

Analysis Batch: 113849

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1250	1230		ug/Kg		98	82 - 138
1,1-Dichloroethene	1250	1030		ug/Kg		82	54 - 144
1,2-Dichlorobenzene	1250	1420		ug/Kg		114	80 - 132
1,2-Dichloroethane	1250	1340		ug/Kg		107	78 - 129

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: LCS 480-113535/22-A

Matrix: Solid

Analysis Batch: 113849

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 113535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	1250	1380		ug/Kg		110	75 - 131
Chlorobenzene	1250	1380		ug/Kg		110	80 - 127
cis-1,2-Dichloroethene	1250	1530		ug/Kg		123	79 - 128
Ethylbenzene	1250	1390		ug/Kg		111	78 - 136
Methyl tert-butyl ether	1250	1180		ug/Kg		94	67 - 137
Tetrachloroethene	1250	1400		ug/Kg		112	72 - 141
Toluene	1250	1370		ug/Kg		109	76 - 133
trans-1,2-Dichloroethene	1250	1270		ug/Kg		102	81 - 147
Trichloroethene	1250	1380		ug/Kg		110	77 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		53 - 146
Toluene-d8 (Surr)	103		50 - 149
4-Bromofluorobenzene (Surr)	99		49 - 148

Lab Sample ID: MB 480-113753/5

Matrix: Solid

Analysis Batch: 113753

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			04/18/13 19:55	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			04/18/13 19:55	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			04/18/13 19:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			04/18/13 19:55	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			04/18/13 19:55	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			04/18/13 19:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			04/18/13 19:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			04/18/13 19:55	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			04/18/13 19:55	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			04/18/13 19:55	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			04/18/13 19:55	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			04/18/13 19:55	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			04/18/13 19:55	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			04/18/13 19:55	1
2-Hexanone	ND		25	2.5	ug/Kg			04/18/13 19:55	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			04/18/13 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			04/18/13 19:55	1
Acetone	ND		25	4.2	ug/Kg			04/18/13 19:55	1
Benzene	ND		5.0	0.25	ug/Kg			04/18/13 19:55	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			04/18/13 19:55	1
Bromoform	ND		5.0	2.5	ug/Kg			04/18/13 19:55	1
Bromomethane	ND		5.0	0.45	ug/Kg			04/18/13 19:55	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			04/18/13 19:55	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			04/18/13 19:55	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			04/18/13 19:55	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			04/18/13 19:55	1
Chloroethane	ND		5.0	1.1	ug/Kg			04/18/13 19:55	1
Chloroform	ND		5.0	0.31	ug/Kg			04/18/13 19:55	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: MB 480-113753/5

Matrix: Solid

Analysis Batch: 113753

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	ND		5.0	0.30	ug/Kg			04/18/13 19:55	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			04/18/13 19:55	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			04/18/13 19:55	1
Cyclohexane	ND		5.0	0.70	ug/Kg			04/18/13 19:55	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			04/18/13 19:55	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			04/18/13 19:55	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			04/18/13 19:55	1
Methyl acetate	ND		5.0	0.93	ug/Kg			04/18/13 19:55	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			04/18/13 19:55	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			04/18/13 19:55	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			04/18/13 19:55	1
Styrene	ND		5.0	0.25	ug/Kg			04/18/13 19:55	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			04/18/13 19:55	1
Toluene	ND		5.0	0.38	ug/Kg			04/18/13 19:55	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			04/18/13 19:55	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/18/13 19:55	1
Trichloroethene	ND		5.0	1.1	ug/Kg			04/18/13 19:55	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			04/18/13 19:55	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			04/18/13 19:55	1
Xylenes, Total	ND		10	0.84	ug/Kg			04/18/13 19:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	96		64 - 126		04/18/13 19:55	1
Toluene-d8 (Surr)	98		71 - 125		04/18/13 19:55	1
4-Bromofluorobenzene (Surr)	98		72 - 126		04/18/13 19:55	1

Lab Sample ID: LCS 480-113753/4

Matrix: Solid

Analysis Batch: 113753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	73 - 126
1,1-Dichloroethene	50.0	44.3		ug/Kg		89	59 - 125
1,2-Dichlorobenzene	50.0	51.8		ug/Kg		104	75 - 120
1,2-Dichloroethane	50.0	53.8		ug/Kg		108	77 - 122
Benzene	50.0	46.9		ug/Kg		94	79 - 127
Chlorobenzene	50.0	52.4		ug/Kg		105	76 - 124
cis-1,2-Dichloroethene	50.0	49.5		ug/Kg		99	81 - 117
Ethylbenzene	50.0	52.7		ug/Kg		105	80 - 120
Methyl tert-butyl ether	50.0	48.1		ug/Kg		96	63 - 125
Tetrachloroethene	50.0	54.8		ug/Kg		110	74 - 122
Toluene	50.0	50.4		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	78 - 126
Trichloroethene	50.0	49.7		ug/Kg		99	77 - 129

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		64 - 126

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

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

Lab Sample ID: LCS 480-113753/4

Matrix: Solid

Analysis Batch: 113753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	99		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

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QC Association Summary

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

GC/MS VOA

Prep Batch: 113535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-1	E3 14'	Total/NA	Solid	5035	
480-36618-3	H5 14'	Total/NA	Solid	5035	
480-36618-3 - DL	H5 14'	Total/NA	Solid	5035	
480-36618-8	J4 14'	Total/NA	Solid	5035	
LCS 480-113535/14-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 480-113535/22-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-113535/15-A	Method Blank	Total/NA	Solid	5035	
MB 480-113535/23-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 113753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-2	E4 14'	Total/NA	Solid	8260B	113804
480-36618-4	F2 14'	Total/NA	Solid	8260B	113766
480-36618-5	J5 14'	Total/NA	Solid	8260B	113766
480-36618-6	F3 14'	Total/NA	Solid	8260B	113766
480-36618-7	D5 12'	Total/NA	Solid	8260B	113766
480-36618-8	J4 14'	Total/NA	Solid	8260B	113766
480-36618-9	E2-1 14'	Total/NA	Solid	8260B	113766
LCS 480-113753/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-113753/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 113766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-4	F2 14'	Total/NA	Solid	5035	
480-36618-5	J5 14'	Total/NA	Solid	5035	
480-36618-6	F3 14'	Total/NA	Solid	5035	
480-36618-7	D5 12'	Total/NA	Solid	5035	
480-36618-8	J4 14'	Total/NA	Solid	5035	
480-36618-9	E2-1 14'	Total/NA	Solid	5035	

Analysis Batch: 113767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-1	E3 14'	Total/NA	Solid	8260B	113535
480-36618-3	H5 14'	Total/NA	Solid	8260B	113535
480-36618-8	J4 14'	Total/NA	Solid	8260B	113535
LCS 480-113535/14-A	Lab Control Sample	Total/NA	Solid	8260B	113535
MB 480-113535/15-A	Method Blank	Total/NA	Solid	8260B	113535

Prep Batch: 113804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-2	E4 14'	Total/NA	Solid	5035	

Analysis Batch: 113849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-3 - DL	H5 14'	Total/NA	Solid	8260B	113535
LCS 480-113535/22-A	Lab Control Sample	Total/NA	Solid	8260B	113535
MB 480-113535/23-A	Method Blank	Total/NA	Solid	8260B	113535

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

General Chemistry

Analysis Batch: 113810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36618-1	E3 14'	Total/NA	Solid	Moisture	
480-36618-2	E4 14'	Total/NA	Solid	Moisture	
480-36618-3	H5 14'	Total/NA	Solid	Moisture	
480-36618-4	F2 14'	Total/NA	Solid	Moisture	
480-36618-5	J5 14'	Total/NA	Solid	Moisture	
480-36618-6	F3 14'	Total/NA	Solid	Moisture	
480-36618-7	D5 12'	Total/NA	Solid	Moisture	
480-36618-8	J4 14'	Total/NA	Solid	Moisture	
480-36618-9	E2-1 14'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: E3 14'

Date Collected: 04/18/13 10:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-1

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113535	04/18/13 00:34	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113767	04/19/13 04:33	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: E4 14'

Date Collected: 04/18/13 11:00

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-2

Matrix: Solid

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113804	04/19/13 01:34	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/19/13 02:15	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: H5 14'

Date Collected: 04/18/13 14:00

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-3

Matrix: Solid

Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113535	04/18/13 00:34	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113767	04/19/13 04:55	TRF	TAL BUF
Total/NA	Prep	5035	DL		113535	04/18/13 00:34	CDC	TAL BUF
Total/NA	Analysis	8260B	DL	2	113849	04/19/13 12:35	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: F2 14'

Date Collected: 04/18/13 09:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-4

Matrix: Solid

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/18/13 22:50	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: J5 14'

Date Collected: 04/18/13 08:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-5

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/18/13 23:15	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Client Sample ID: F3 14'

Date Collected: 04/18/13 10:00

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-6

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/18/13 23:41	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: D5 12'

Date Collected: 04/18/13 14:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-7

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/19/13 00:06	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: J4 14'

Date Collected: 04/18/13 09:30

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-8

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/19/13 00:57	CDC	TAL BUF
Total/NA	Prep	5035			113535	04/18/13 00:34	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113767	04/19/13 05:18	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Client Sample ID: E2-1 14'

Date Collected: 04/18/13 08:00

Date Received: 04/18/13 17:25

Lab Sample ID: 480-36618-9

Matrix: Solid

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113766	04/18/13 19:29	CDC	TAL BUF
Total/NA	Analysis	8260B		1	113753	04/19/13 00:31	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	113810	04/19/13 03:08	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13 *
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-13 *
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36618-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-36618-1	E3 14'	Solid	04/18/13 10:30	04/18/13 17:25
480-36618-2	E4 14'	Solid	04/18/13 11:00	04/18/13 17:25
480-36618-3	H5 14'	Solid	04/18/13 14:00	04/18/13 17:25
480-36618-4	F2 14'	Solid	04/18/13 09:30	04/18/13 17:25
480-36618-5	J5 14'	Solid	04/18/13 08:30	04/18/13 17:25
480-36618-6	F3 14'	Solid	04/18/13 10:00	04/18/13 17:25
480-36618-7	D5 12'	Solid	04/18/13 14:30	04/18/13 17:25
480-36618-8	J4 14'	Solid	04/18/13 09:30	04/18/13 17:25
480-36618-9	E2-1 14'	Solid	04/18/13 08:00	04/18/13 17:25



Chain of Custody Record

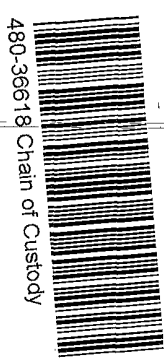
TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes No

TestAR

THE LEADER IN ENV



480-36618 Chain of Custody

Client **C & S Engineers, Inc** Project Manager **Mark Colmeraux** Lab Number **04/18/13** Chain of Custody Number **236771**

Address **90 Broadway** Telephone Number (Area Code)/Fax Number **716-847-1454 1630** Page **2** of **2**

City **Buffalo** State **NY** Zip Code **14203** Site Contact _____ Lab Contract _____

Project Name and Location (State) **MOB** Carrier/Trailer Number _____ Analysis (Attach list if more space is needed)

Contract/Purchase Order/Quote No. _____ Matrix _____ Containers & Preservatives **MeOH** **H2O** **8260 VA** Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	H2O	8260 VA
E3 14'	04/18/13	10:30				X	X						X	X	X
E4 14'		11:00													
H5 14'		2:50													
E2 14'		9:30													
J5 14'		8:30													
E3 14'		10:00													
D5 12'		2:30													
J4 14'		9:30													
E2-1 14'		8:00													

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

Sample Disposal _____

QC Requirements (Specify) _____

1. Relinquished By **[Signature]** Date **04/18/13** Time **4:45 PM** 1. Received By **[Signature]** Date **4/18/13** Time **1:45**

2. Relinquished By **[Signature]** Date **4/18/13** Time **17:25** 2. Received By **[Signature]** Date **4/18/13** Time **17:25**

3. Relinquished By _____ Date _____ Time _____ 3. Received By _____ Date _____ Time _____

Comments **2,081**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-36618-1

Login Number: 36618

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C+S
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-36716-1

Client Project/Site: 979-1001 Main St., Buffalo Brownfields

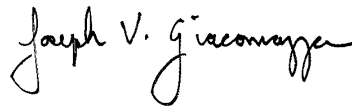
For:

C&S Engineers, Inc.

90 Broadway

Buffalo, New York 14203

Attn: Mr. Mark Colmerauer



Authorized for release by:

4/22/2013 5:19:12 PM

Joe Giacomazza

Project Administrator

joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman

Project Manager II

sally.hoffman@testamericainc.com

LINKS

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results through

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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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Definitions/Glossary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Job ID: 480-36716-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-36716-1**

Receipt

The samples were received on 4/19/2013 4:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: G2-1 14' (480-36716-1), H2-2 16' (480-36716-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: H4 14' (480-36716-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The method blank for batch 114125 contained toluene and total xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The continuing calibration verification (CCV) for 1,1,2-trichloro-1,2,2,-trifluoroethane associated with batch 114196 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.



Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G2-1 14'

Lab Sample ID: 480-36716-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	18000		1400	68	ug/Kg	25	☼	8260B	Total/NA
Cyclohexane	13000		1400	310	ug/Kg	25	☼	8260B	Total/NA
Ethylbenzene	19000		1400	410	ug/Kg	25	☼	8260B	Total/NA
Isopropylbenzene	840	J	1400	210	ug/Kg	25	☼	8260B	Total/NA
Methylcyclohexane	18000		1400	660	ug/Kg	25	☼	8260B	Total/NA
Toluene	53000		1400	380	ug/Kg	25	☼	8260B	Total/NA
Xylenes, Total	120000		2800	240	ug/Kg	25	☼	8260B	Total/NA

Client Sample ID: H2-2 16'

Lab Sample ID: 480-36716-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	57000		4900	240	ug/Kg	100	☼	8260B	Total/NA
Cyclohexane	47000		4900	1100	ug/Kg	100	☼	8260B	Total/NA
Ethylbenzene	73000		4900	1400	ug/Kg	100	☼	8260B	Total/NA
Isopropylbenzene	3100	J	4900	740	ug/Kg	100	☼	8260B	Total/NA
Methylcyclohexane	59000		4900	2300	ug/Kg	100	☼	8260B	Total/NA
Toluene	310000		4900	1300	ug/Kg	100	☼	8260B	Total/NA
Xylenes, Total	500000		9900	830	ug/Kg	100	☼	8260B	Total/NA

Client Sample ID: G2-2 16'

Lab Sample ID: 480-36716-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	96		4.8	0.24	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	6.1		4.8	0.33	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	1.5	J	4.8	0.73	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	6.7		4.8	0.73	ug/Kg	1	☼	8260B	Total/NA
Toluene	7.7	B	4.8	0.36	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	4.9	J B	9.6	0.81	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: H4 14'

Lab Sample ID: 480-36716-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dibromoethane	46		5.3	0.68	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	53		26	1.9	ug/Kg	1	☼	8260B	Total/NA
Acetone	93		26	4.5	ug/Kg	1	☼	8260B	Total/NA
Benzene	1500	E	5.3	0.26	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	130		5.3	0.74	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	330	E	5.3	0.37	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	7.3		5.3	0.80	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	67		5.3	0.81	ug/Kg	1	☼	8260B	Total/NA
Toluene	2000	E B	5.3	0.40	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	1800	B E	11	0.89	ug/Kg	1	☼	8260B	Total/NA
Benzene - DL	4400		110	5.0	ug/Kg	2	☼	8260B	Total/NA
Cyclohexane - DL	76	J	110	23	ug/Kg	2	☼	8260B	Total/NA
Ethylbenzene - DL	460		110	31	ug/Kg	2	☼	8260B	Total/NA
Methylcyclohexane - DL	62	J	110	49	ug/Kg	2	☼	8260B	Total/NA
Toluene - DL	6000		110	28	ug/Kg	2	☼	8260B	Total/NA
Xylenes, Total - DL	3100		210	18	ug/Kg	2	☼	8260B	Total/NA

Client Sample ID: H2-1 14'

Lab Sample ID: 480-36716-5

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H2-1 14' (Continued)

Lab Sample ID: 480-36716-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	840		50	2.4	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	610		50	15	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	22	J	50	7.5	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	120		50	23	ug/Kg	1	☒	8260B	Total/NA
Toluene	1900		50	13	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	4200		100	8.4	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: E6 14'

Lab Sample ID: 480-36716-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	100		45	2.1	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	570		45	13	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	34	J	45	6.7	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	180		45	21	ug/Kg	1	☒	8260B	Total/NA
Toluene	1400		45	12	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	4900		89	7.5	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: G3 14'

Lab Sample ID: 480-36716-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.1	J	22	1.6	ug/Kg	1	☒	8260B	Total/NA
Benzene	200	E	4.4	0.22	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane	62		4.4	0.62	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	43		4.4	0.30	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	1.8	J	4.4	0.66	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	30		4.4	0.67	ug/Kg	1	☒	8260B	Total/NA
Toluene	170	B	4.4	0.33	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	170	B	8.8	0.74	ug/Kg	1	☒	8260B	Total/NA
Benzene - DL	340		48	2.3	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane - DL	31	J	48	11	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene - DL	72		48	14	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane - DL	30	J	48	22	ug/Kg	1	☒	8260B	Total/NA
Toluene - DL	320		48	13	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total - DL	270		95	8.0	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: G4 14'

Lab Sample ID: 480-36716-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	64		5.0	0.25	ug/Kg	1	☒	8260B	Total/NA
Cyclohexane	44		5.0	0.70	ug/Kg	1	☒	8260B	Total/NA
Ethylbenzene	33		5.0	0.35	ug/Kg	1	☒	8260B	Total/NA
Isopropylbenzene	3.6	J	5.0	0.76	ug/Kg	1	☒	8260B	Total/NA
Methylcyclohexane	22		5.0	0.76	ug/Kg	1	☒	8260B	Total/NA
Toluene	30	B	5.0	0.38	ug/Kg	1	☒	8260B	Total/NA
Xylenes, Total	190	B	10	0.84	ug/Kg	1	☒	8260B	Total/NA

Client Sample ID: H3 14'

Lab Sample ID: 480-36716-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.1	J	27	2.0	ug/Kg	1	☒	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H3 14' (Continued)

Lab Sample ID: 480-36716-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	44		5.3	0.26	ug/Kg	1	☼	8260B	Total/NA
Ethylbenzene	19		5.3	0.37	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	3.4	J	5.3	0.81	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	43		5.3	0.81	ug/Kg	1	☼	8260B	Total/NA
Toluene	71	B	5.3	0.40	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	88	B	11	0.90	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: E2-2 16'

Lab Sample ID: 480-36716-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.9	J	4.8	0.33	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	6.7		4.8	0.73	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	79		4.8	0.73	ug/Kg	1	☼	8260B	Total/NA
Toluene	2.4	J B	4.8	0.37	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	15	B	9.7	0.81	ug/Kg	1	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G2-1 14'

Lab Sample ID: 480-36716-1

Date Collected: 04/19/13 11:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1400	390	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,1,1,2-Tetrachloroethane	ND		1400	230	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,1,2-Trichloroethane	ND		1400	300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1400	700	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,1-Dichloroethane	ND		1400	440	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,1-Dichloroethene	ND		1400	490	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2,4-Trichlorobenzene	ND		1400	530	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2-Dibromo-3-Chloropropane	ND		1400	700	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2-Dibromoethane	ND		1400	54	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2-Dichlorobenzene	ND		1400	360	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2-Dichloroethane	ND		1400	580	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,2-Dichloropropane	ND		1400	230	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,3-Dichlorobenzene	ND		1400	380	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
1,4-Dichlorobenzene	ND		1400	200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
2-Hexanone	ND		7000	2900	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
2-Butanone (MEK)	ND		7000	4200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
4-Methyl-2-pentanone (MIBK)	ND		7000	450	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Acetone	ND		7000	5800	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Benzene	18000		1400	68	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Bromodichloromethane	ND		1400	280	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Bromoform	ND		1400	700	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Bromomethane	ND		1400	310	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Carbon disulfide	ND		1400	640	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Carbon tetrachloride	ND		1400	360	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Chlorobenzene	ND		1400	190	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Dibromochloromethane	ND		1400	680	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Chloroethane	ND		1400	290	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Chloroform	ND		1400	970	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Chloromethane	ND		1400	340	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
cis-1,2-Dichloroethene	ND		1400	390	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
cis-1,3-Dichloropropene	ND		1400	340	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Cyclohexane	13000		1400	310	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Dichlorodifluoromethane	ND		1400	610	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Ethylbenzene	19000		1400	410	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Isopropylbenzene	840 J		1400	210	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Methyl acetate	ND		1400	670	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Methyl tert-butyl ether	ND		1400	530	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Methylcyclohexane	18000		1400	660	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Methylene Chloride	ND		1400	280	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Styrene	ND		1400	340	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Tetrachloroethene	ND		1400	190	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Toluene	53000		1400	380	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
trans-1,2-Dichloroethene	ND		1400	330	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
trans-1,3-Dichloropropene	ND		1400	68	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Trichloroethene	ND		1400	390	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Trichlorofluoromethane	ND		1400	660	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Vinyl chloride	ND		1400	470	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25
Xylenes, Total	120000		2800	240	ug/Kg	☼	04/21/13 12:30	04/22/13 03:27	25

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G2-1 14'

Date Collected: 04/19/13 11:30

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-1

Matrix: Solid

Percent Solids: 82.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		53 - 146	04/21/13 12:30	04/22/13 03:27	25
Toluene-d8 (Surr)	103		50 - 149	04/21/13 12:30	04/22/13 03:27	25
4-Bromofluorobenzene (Surr)	99		49 - 148	04/21/13 12:30	04/22/13 03:27	25

Client Sample ID: H2-2 16'

Date Collected: 04/19/13 09:30

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-2

Matrix: Solid

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4900	1400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,1,2,2-Tetrachloroethane	ND		4900	800	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,1,2-Trichloroethane	ND		4900	1000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4900	2500	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,1-Dichloroethane	ND		4900	1500	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,1-Dichloroethene	ND		4900	1700	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2,4-Trichlorobenzene	ND		4900	1900	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2-Dibromo-3-Chloropropane	ND		4900	2500	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2-Dibromoethane	ND		4900	190	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2-Dichlorobenzene	ND		4900	1300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2-Dichloroethane	ND		4900	2000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,2-Dichloropropane	ND		4900	800	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,3-Dichlorobenzene	ND		4900	1300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
1,4-Dichlorobenzene	ND		4900	690	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
2-Hexanone	ND		25000	10000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
2-Butanone (MEK)	ND		25000	15000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
4-Methyl-2-pentanone (MIBK)	ND		25000	1600	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Acetone	ND		25000	20000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Benzene	57000		4900	240	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Bromodichloromethane	ND		4900	990	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Bromoform	ND		4900	2500	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Bromomethane	ND		4900	1100	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Carbon disulfide	ND		4900	2200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Carbon tetrachloride	ND		4900	1300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Chlorobenzene	ND		4900	650	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Dibromochloromethane	ND		4900	2400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Chloroethane	ND		4900	1000	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Chloroform	ND		4900	3400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Chloromethane	ND		4900	1200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
cis-1,2-Dichloroethene	ND		4900	1400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
cis-1,3-Dichloropropene	ND		4900	1200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Cyclohexane	47000		4900	1100	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Dichlorodifluoromethane	ND		4900	2200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Ethylbenzene	73000		4900	1400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Isopropylbenzene	3100 J		4900	740	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Methyl acetate	ND		4900	2400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Methyl tert-butyl ether	ND		4900	1900	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Methylcyclohexane	59000		4900	2300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Methylene Chloride	ND		4900	980	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Styrene	ND		4900	1200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H2-2 16'

Lab Sample ID: 480-36716-2

Date Collected: 04/19/13 09:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4900	660	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Toluene	310000		4900	1300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
trans-1,2-Dichloroethene	ND		4900	1200	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
trans-1,3-Dichloropropene	ND		4900	240	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Trichloroethene	ND		4900	1400	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Trichlorofluoromethane	ND		4900	2300	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Vinyl chloride	ND		4900	1700	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Xylenes, Total	500000		9900	830	ug/Kg	☼	04/21/13 12:30	04/22/13 03:49	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		53 - 146				04/21/13 12:30	04/22/13 03:49	100
Toluene-d8 (Surr)	102		50 - 149				04/21/13 12:30	04/22/13 03:49	100
4-Bromofluorobenzene (Surr)	99		49 - 148				04/21/13 12:30	04/22/13 03:49	100

Client Sample ID: G2-2 16'

Lab Sample ID: 480-36716-3

Date Collected: 04/19/13 09:15

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,1,2-Trichloroethane	ND		4.8	0.63	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
1,4-Dichlorobenzene	ND		4.8	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Acetone	ND		24	4.1	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Benzene	96		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Bromodichloromethane	ND		4.8	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Bromomethane	ND		4.8	0.43	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Chlorobenzene	ND		4.8	0.64	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Dibromochloromethane	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
cis-1,2-Dichloroethene	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G2-2 16'

Lab Sample ID: 480-36716-3

Date Collected: 04/19/13 09:15

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		4.8	0.69	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Cyclohexane	ND		4.8	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Ethylbenzene	6.1		4.8	0.33	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Isopropylbenzene	1.5 J		4.8	0.73	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Methyl acetate	ND		4.8	0.90	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Methylcyclohexane	6.7		4.8	0.73	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Methylene Chloride	ND		4.8	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Styrene	ND		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Toluene	7.7 B		4.8	0.36	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Trichlorofluoromethane	ND		4.8	0.46	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Xylenes, Total	4.9 J B		9.6	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126				04/20/13 16:49	04/20/13 21:15	1
Toluene-d8 (Surr)	98		71 - 125				04/20/13 16:49	04/20/13 21:15	1
4-Bromofluorobenzene (Surr)	101		72 - 126				04/20/13 16:49	04/20/13 21:15	1

Client Sample ID: H4 14'

Lab Sample ID: 480-36716-4

Date Collected: 04/19/13 10:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.38	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.86	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2-Dibromoethane	46		5.3	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2-Dichlorobenzene	ND		5.3	0.41	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,2-Dichloropropane	ND		5.3	2.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
1,4-Dichlorobenzene	ND		5.3	0.74	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
2-Hexanone	ND		26	2.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
2-Butanone (MEK)	53		26	1.9	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
4-Methyl-2-pentanone (MIBK)	ND		26	1.7	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Acetone	93		26	4.5	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Benzene	1500 E		5.3	0.26	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Bromodichloromethane	ND		5.3	0.71	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H4 14'

Lab Sample ID: 480-36716-4

Date Collected: 04/19/13 10:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.3	2.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Carbon disulfide	ND		5.3	2.6	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Carbon tetrachloride	ND		5.3	0.51	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Chlorobenzene	ND		5.3	0.70	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
cis-1,3-Dichloropropene	ND		5.3	0.76	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Cyclohexane	130		5.3	0.74	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Ethylbenzene	330	E	5.3	0.37	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Isopropylbenzene	7.3		5.3	0.80	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Methyl acetate	ND		5.3	0.99	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Methylcyclohexane	67		5.3	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Methylene Chloride	ND		5.3	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Styrene	ND		5.3	0.26	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Tetrachloroethene	ND		5.3	0.71	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Toluene	2000	E B	5.3	0.40	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
trans-1,3-Dichloropropene	ND		5.3	2.3	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Trichlorofluoromethane	ND		5.3	0.50	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1
Xylenes, Total	1800	B E	11	0.89	ug/Kg	☼	04/20/13 16:49	04/20/13 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		64 - 126	04/20/13 16:49	04/20/13 21:40	1
Toluene-d8 (Surr)	96		71 - 125	04/20/13 16:49	04/20/13 21:40	1
4-Bromofluorobenzene (Surr)	99		72 - 126	04/20/13 16:49	04/20/13 21:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110	29	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,1,1,2-Tetrachloroethane	ND		110	17	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,1,1,2-Trichloroethane	ND		110	22	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110	53	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,1-Dichloroethane	ND		110	32	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,1-Dichloroethene	ND		110	36	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2,4-Trichlorobenzene	ND		110	40	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2-Dibromo-3-Chloropropane	ND		110	53	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2-Dibromoethane	ND		110	4.0	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2-Dichlorobenzene	ND		110	27	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2-Dichloroethane	ND		110	43	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,2-Dichloropropane	ND		110	17	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,3-Dichlorobenzene	ND		110	28	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
1,4-Dichlorobenzene	ND		110	15	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H4 14'

Lab Sample ID: 480-36716-4

Date Collected: 04/19/13 10:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 81.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		530	220	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
2-Butanone (MEK)	ND		530	310	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
4-Methyl-2-pentanone (MIBK)	ND		530	34	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Acetone	ND		530	430	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Benzene	4400		110	5.0	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Bromodichloromethane	ND		110	21	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Bromoform	ND		110	53	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Bromomethane	ND		110	23	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Carbon disulfide	ND		110	48	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Carbon tetrachloride	ND		110	27	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Chlorobenzene	ND		110	14	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Dibromochloromethane	ND		110	51	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Chloroethane	ND		110	22	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Chloroform	ND		110	72	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Chloromethane	ND		110	25	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
cis-1,2-Dichloroethene	ND		110	29	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
cis-1,3-Dichloropropene	ND		110	25	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Cyclohexane	76 J		110	23	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Dichlorodifluoromethane	ND		110	46	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Ethylbenzene	460		110	31	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Isopropylbenzene	ND		110	16	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Methyl acetate	ND		110	50	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Methyl tert-butyl ether	ND		110	40	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Methylcyclohexane	62 J		110	49	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Methylene Chloride	ND		110	21	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Styrene	ND		110	25	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Tetrachloroethene	ND		110	14	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Toluene	6000		110	28	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
trans-1,2-Dichloroethene	ND		110	25	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
trans-1,3-Dichloropropene	ND		110	5.0	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Trichloroethene	ND		110	29	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Trichlorofluoromethane	ND		110	49	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Vinyl chloride	ND		110	35	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2
Xylenes, Total	3100		210	18	ug/Kg	☼	04/21/13 12:30	04/22/13 12:09	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	04/21/13 12:30	04/22/13 12:09	2
Toluene-d8 (Surr)	103		50 - 149	04/21/13 12:30	04/22/13 12:09	2
4-Bromofluorobenzene (Surr)	100		49 - 148	04/21/13 12:30	04/22/13 12:09	2

Client Sample ID: H2-1 14'

Lab Sample ID: 480-36716-5

Date Collected: 04/19/13 09:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,1,2-Trichloroethane	ND		50	10	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H2-1 14'

Lab Sample ID: 480-36716-5

Date Collected: 04/19/13 09:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		50	15	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,1-Dichloroethene	ND		50	17	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2-Dichloroethane	ND		50	20	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
2-Hexanone	ND		250	100	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Acetone	ND		250	210	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Benzene	840		50	2.4	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Bromodichloromethane	ND		50	10	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Bromoform	ND		50	25	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Bromomethane	ND		50	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Carbon disulfide	ND		50	23	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Carbon tetrachloride	ND		50	13	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Chlorobenzene	ND		50	6.6	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Dibromochloromethane	ND		50	24	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Chloroethane	ND		50	10	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Chloroform	ND		50	34	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Chloromethane	ND		50	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Cyclohexane	ND		50	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Dichlorodifluoromethane	ND		50	22	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Ethylbenzene	610		50	15	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Isopropylbenzene	22 J		50	7.5	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Methyl acetate	ND		50	24	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Methyl tert-butyl ether	ND		50	19	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Methylcyclohexane	120		50	23	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Methylene Chloride	ND		50	9.9	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Styrene	ND		50	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Tetrachloroethene	ND		50	6.7	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Toluene	1900		50	13	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Trichloroethene	ND		50	14	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Trichlorofluoromethane	ND		50	23	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Vinyl chloride	ND		50	17	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Xylenes, Total	4200		100	8.4	ug/Kg	☼	04/21/13 12:30	04/22/13 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146				04/21/13 12:30	04/22/13 04:32	1
Toluene-d8 (Surr)	103		50 - 149				04/21/13 12:30	04/22/13 04:32	1
4-Bromofluorobenzene (Surr)	102		49 - 148				04/21/13 12:30	04/22/13 04:32	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: E6 14'

Lab Sample ID: 480-36716-6

Date Collected: 04/19/13 11:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		45	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,1,2,2-Tetrachloroethane	ND		45	7.3	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,1,2-Trichloroethane	ND		45	9.4	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45	22	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,1-Dichloroethane	ND		45	14	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,1-Dichloroethene	ND		45	15	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2,4-Trichlorobenzene	ND		45	17	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2-Dibromo-3-Chloropropane	ND		45	22	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2-Dibromoethane	ND		45	1.7	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2-Dichlorobenzene	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2-Dichloroethane	ND		45	18	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,2-Dichloropropane	ND		45	7.2	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,3-Dichlorobenzene	ND		45	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
1,4-Dichlorobenzene	ND		45	6.3	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
2-Hexanone	ND		220	92	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
2-Butanone (MEK)	ND		220	130	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
4-Methyl-2-pentanone (MIBK)	ND		220	14	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Acetone	ND		220	180	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Benzene	100		45	2.1	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Bromodichloromethane	ND		45	8.9	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Bromoform	ND		45	22	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Bromomethane	ND		45	9.8	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Carbon disulfide	ND		45	20	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Carbon tetrachloride	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Chlorobenzene	ND		45	5.9	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Dibromochloromethane	ND		45	22	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Chloroethane	ND		45	9.3	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Chloroform	ND		45	31	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Chloromethane	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
cis-1,2-Dichloroethene	ND		45	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
cis-1,3-Dichloropropene	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Cyclohexane	ND		45	9.9	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Dichlorodifluoromethane	ND		45	19	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Ethylbenzene	570		45	13	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Isopropylbenzene	34 J		45	6.7	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Methyl acetate	ND		45	21	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Methyl tert-butyl ether	ND		45	17	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Methylcyclohexane	180		45	21	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Methylene Chloride	ND		45	8.8	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Styrene	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Tetrachloroethene	ND		45	6.0	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Toluene	1400		45	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
trans-1,2-Dichloroethene	ND		45	11	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
trans-1,3-Dichloropropene	ND		45	2.1	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Trichloroethene	ND		45	12	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Trichlorofluoromethane	ND		45	21	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Vinyl chloride	ND		45	15	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1
Xylenes, Total	4900		89	7.5	ug/Kg	☼	04/21/13 12:30	04/22/13 04:54	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: E6 14'

Date Collected: 04/19/13 11:00

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-6

Matrix: Solid

Percent Solids: 86.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	04/21/13 12:30	04/22/13 04:54	1
Toluene-d8 (Surr)	103		50 - 149	04/21/13 12:30	04/22/13 04:54	1
4-Bromofluorobenzene (Surr)	101		49 - 148	04/21/13 12:30	04/22/13 04:54	1

Client Sample ID: G3 14'

Date Collected: 04/19/13 10:30

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-7

Matrix: Solid

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4	0.32	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,1,2,2-Tetrachloroethane	ND		4.4	0.71	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,1,2-Trichloroethane	ND		4.4	0.57	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4	1.0	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,1-Dichloroethane	ND		4.4	0.54	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,1-Dichloroethene	ND		4.4	0.54	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2,4-Trichlorobenzene	ND		4.4	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2-Dibromo-3-Chloropropane	ND		4.4	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2-Dibromoethane	ND		4.4	0.56	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2-Dichlorobenzene	ND		4.4	0.34	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2-Dichloroethane	ND		4.4	0.22	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,2-Dichloropropane	ND		4.4	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,3-Dichlorobenzene	ND		4.4	0.23	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
1,4-Dichlorobenzene	ND		4.4	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
2-Hexanone	ND		22	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
2-Butanone (MEK)	6.1	J	22	1.6	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
4-Methyl-2-pentanone (MIBK)	ND		22	1.4	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Acetone	ND		22	3.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Benzene	200	E	4.4	0.22	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Bromodichloromethane	ND		4.4	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Bromoform	ND		4.4	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Bromomethane	ND		4.4	0.40	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Carbon disulfide	ND		4.4	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Carbon tetrachloride	ND		4.4	0.43	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Chlorobenzene	ND		4.4	0.58	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Dibromochloromethane	ND		4.4	0.56	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Chloroethane	ND		4.4	0.99	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Chloroform	ND		4.4	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Chloromethane	ND		4.4	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
cis-1,2-Dichloroethene	ND		4.4	0.56	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
cis-1,3-Dichloropropene	ND		4.4	0.63	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Cyclohexane	62		4.4	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Dichlorodifluoromethane	ND		4.4	0.36	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Ethylbenzene	43		4.4	0.30	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Isopropylbenzene	1.8	J	4.4	0.66	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Methyl acetate	ND		4.4	0.82	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Methyl tert-butyl ether	ND		4.4	0.43	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Methylcyclohexane	30		4.4	0.67	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Methylene Chloride	ND		4.4	2.0	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Styrene	ND		4.4	0.22	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G3 14'

Lab Sample ID: 480-36716-7

Date Collected: 04/19/13 10:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		4.4	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Toluene	170	B	4.4	0.33	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
trans-1,2-Dichloroethene	ND		4.4	0.45	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
trans-1,3-Dichloropropene	ND		4.4	1.9	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Trichloroethene	ND		4.4	0.97	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Trichlorofluoromethane	ND		4.4	0.42	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Vinyl chloride	ND		4.4	0.54	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Xylenes, Total	170	B	8.8	0.74	ug/Kg	☼	04/20/13 16:49	04/20/13 22:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126				04/20/13 16:49	04/20/13 22:05	1
Toluene-d8 (Surr)	96		71 - 125				04/20/13 16:49	04/20/13 22:05	1
4-Bromofluorobenzene (Surr)	97		72 - 126				04/20/13 16:49	04/20/13 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		48	13	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,1,1,2,2-Tetrachloroethane	ND		48	7.7	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,1,2-Trichloroethane	ND		48	10	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48	24	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,1-Dichloroethane	ND		48	15	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,1-Dichloroethene	ND		48	16	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2,4-Trichlorobenzene	ND		48	18	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2-Dibromo-3-Chloropropane	ND		48	24	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2-Dibromoethane	ND		48	1.8	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2-Dichlorobenzene	ND		48	12	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2-Dichloroethane	ND		48	19	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,2-Dichloropropane	ND		48	7.7	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,3-Dichlorobenzene	ND		48	13	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
1,4-Dichlorobenzene	ND		48	6.7	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
2-Hexanone	ND		240	98	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
2-Butanone (MEK)	ND		240	140	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
4-Methyl-2-pentanone (MIBK)	ND		240	15	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Acetone	ND		240	200	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Benzene	340		48	2.3	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Bromodichloromethane	ND		48	9.5	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Bromoform	ND		48	24	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Bromomethane	ND		48	10	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Carbon disulfide	ND		48	22	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Carbon tetrachloride	ND		48	12	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Chlorobenzene	ND		48	6.3	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Dibromochloromethane	ND		48	23	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Chloroethane	ND		48	9.9	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Chloroform	ND		48	33	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Chloromethane	ND		48	11	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
cis-1,2-Dichloroethene	ND		48	13	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
cis-1,3-Dichloropropene	ND		48	11	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Cyclohexane	31	J	48	11	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Dichlorodifluoromethane	ND		48	21	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Ethylbenzene	72		48	14	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G3 14'

Lab Sample ID: 480-36716-7

Date Collected: 04/19/13 10:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		48	7.1	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Methyl acetate	ND		48	23	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Methyl tert-butyl ether	ND		48	18	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Methylcyclohexane	30	J	48	22	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Methylene Chloride	ND		48	9.4	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Styrene	ND		48	11	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Tetrachloroethene	ND		48	6.4	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Toluene	320		48	13	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
trans-1,2-Dichloroethene	ND		48	11	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
trans-1,3-Dichloropropene	ND		48	2.3	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Trichloroethene	ND		48	13	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Trichlorofluoromethane	ND		48	22	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Vinyl chloride	ND		48	16	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Xylenes, Total	270		95	8.0	ug/Kg	☼	04/21/13 12:30	04/22/13 05:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146				04/21/13 12:30	04/22/13 05:16	1
Toluene-d8 (Surr)	103		50 - 149				04/21/13 12:30	04/22/13 05:16	1
4-Bromofluorobenzene (Surr)	101		49 - 148				04/21/13 12:30	04/22/13 05:16	1

Client Sample ID: G4 14'

Lab Sample ID: 480-36716-8

Date Collected: 04/19/13 07:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.31	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
2-Hexanone	ND		25	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Acetone	ND		25	4.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Benzene	64		5.0	0.25	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Bromomethane	ND		5.0	0.45	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Carbon disulfide	ND		5.0	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Carbon tetrachloride	ND		5.0	0.49	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G4 14'

Lab Sample ID: 480-36716-8

Date Collected: 04/19/13 07:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		5.0	0.66	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Chloroethane	ND		5.0	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Chloroform	ND		5.0	0.31	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Chloromethane	ND		5.0	0.30	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Cyclohexane	44		5.0	0.70	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Ethylbenzene	33		5.0	0.35	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Isopropylbenzene	3.6 J		5.0	0.76	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Methyl acetate	ND		5.0	0.93	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Methylcyclohexane	22		5.0	0.76	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Methylene Chloride	ND		5.0	2.3	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Styrene	ND		5.0	0.25	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Toluene	30 B		5.0	0.38	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Trichloroethene	ND		5.0	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Vinyl chloride	ND		5.0	0.61	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1
Xylenes, Total	190 B		10	0.84	ug/Kg	☼	04/20/13 16:49	04/20/13 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	04/20/13 16:49	04/20/13 22:31	1
Toluene-d8 (Surr)	96		71 - 125	04/20/13 16:49	04/20/13 22:31	1
4-Bromofluorobenzene (Surr)	99		72 - 126	04/20/13 16:49	04/20/13 22:31	1

Client Sample ID: H3 14'

Lab Sample ID: 480-36716-9

Date Collected: 04/19/13 08:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.3	0.39	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,1,2,2-Tetrachloroethane	ND		5.3	0.87	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,1,2-Trichloroethane	ND		5.3	0.69	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,1-Dichloroethane	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,1-Dichloroethene	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2,4-Trichlorobenzene	ND		5.3	0.32	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2-Dibromo-3-Chloropropane	ND		5.3	2.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2-Dibromoethane	ND		5.3	0.69	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2-Dichlorobenzene	ND		5.3	0.42	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2-Dichloroethane	ND		5.3	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,2-Dichloropropane	ND		5.3	2.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,3-Dichlorobenzene	ND		5.3	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
1,4-Dichlorobenzene	ND		5.3	0.75	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: H3 14'

Lab Sample ID: 480-36716-9

Date Collected: 04/19/13 08:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 84.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		27	2.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
2-Butanone (MEK)	5.1	J	27	2.0	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Acetone	ND		27	4.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Benzene	44		5.3	0.26	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Bromodichloromethane	ND		5.3	0.72	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Bromomethane	ND		5.3	0.48	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Carbon disulfide	ND		5.3	2.7	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Carbon tetrachloride	ND		5.3	0.52	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Chlorobenzene	ND		5.3	0.71	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Dibromochloromethane	ND		5.3	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Chloroethane	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Chloroform	ND		5.3	0.33	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Chloromethane	ND		5.3	0.32	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
cis-1,2-Dichloroethene	ND		5.3	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
cis-1,3-Dichloropropene	ND		5.3	0.77	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Cyclohexane	ND		5.3	0.75	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Dichlorodifluoromethane	ND		5.3	0.44	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Ethylbenzene	19		5.3	0.37	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Isopropylbenzene	3.4	J	5.3	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Methyl acetate	ND		5.3	0.99	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Methyl tert-butyl ether	ND		5.3	0.52	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Methylcyclohexane	43		5.3	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Methylene Chloride	ND		5.3	2.5	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Styrene	ND		5.3	0.27	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Tetrachloroethene	ND		5.3	0.72	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Toluene	71	B	5.3	0.40	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
trans-1,2-Dichloroethene	ND		5.3	0.55	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Trichloroethene	ND		5.3	1.2	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Trichlorofluoromethane	ND		5.3	0.51	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Vinyl chloride	ND		5.3	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Xylenes, Total	88	B	11	0.90	ug/Kg	☼	04/20/13 16:49	04/20/13 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126				04/20/13 16:49	04/20/13 22:56	1
Toluene-d8 (Surr)	107		71 - 125				04/20/13 16:49	04/20/13 22:56	1
4-Bromofluorobenzene (Surr)	105		72 - 126				04/20/13 16:49	04/20/13 22:56	1

Client Sample ID: E2-2 16'

Lab Sample ID: 480-36716-10

Date Collected: 04/18/13 08:15

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.8	0.35	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,1,2,2-Tetrachloroethane	ND		4.8	0.78	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,1,2-Trichloroethane	ND		4.8	0.63	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1

TestAmerica Buffalo

Client Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: E2-2 16'

Lab Sample ID: 480-36716-10

Date Collected: 04/18/13 08:15

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,1-Dichloroethene	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2,4-Trichlorobenzene	ND		4.8	0.29	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2-Dibromo-3-Chloropropane	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2-Dibromoethane	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2-Dichlorobenzene	ND		4.8	0.38	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2-Dichloroethane	ND		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,2-Dichloropropane	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,3-Dichlorobenzene	ND		4.8	0.25	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
1,4-Dichlorobenzene	ND		4.8	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
2-Hexanone	ND		24	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
2-Butanone (MEK)	ND		24	1.8	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		24	1.6	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Acetone	ND		24	4.1	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Benzene	ND		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Bromodichloromethane	ND		4.8	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Bromoform	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Bromomethane	ND		4.8	0.44	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Carbon disulfide	ND		4.8	2.4	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Carbon tetrachloride	ND		4.8	0.47	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Chlorobenzene	ND		4.8	0.64	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Dibromochloromethane	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Chloroethane	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Chloroform	ND		4.8	0.30	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Chloromethane	ND		4.8	0.29	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
cis-1,2-Dichloroethene	ND		4.8	0.62	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
cis-1,3-Dichloropropene	ND		4.8	0.70	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Cyclohexane	ND		4.8	0.68	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Dichlorodifluoromethane	ND		4.8	0.40	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Ethylbenzene	2.9	J	4.8	0.33	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Isopropylbenzene	6.7		4.8	0.73	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Methyl acetate	ND		4.8	0.90	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Methyl tert-butyl ether	ND		4.8	0.47	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Methylcyclohexane	79		4.8	0.73	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Methylene Chloride	ND		4.8	2.2	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Styrene	ND		4.8	0.24	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Tetrachloroethene	ND		4.8	0.65	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Toluene	2.4	J B	4.8	0.37	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
trans-1,2-Dichloroethene	ND		4.8	0.50	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
trans-1,3-Dichloropropene	ND		4.8	2.1	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Trichloroethene	ND		4.8	1.1	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Trichlorofluoromethane	ND		4.8	0.46	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Vinyl chloride	ND		4.8	0.59	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Xylenes, Total	15	B	9.7	0.81	ug/Kg	☼	04/20/13 16:49	04/20/13 23:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126				04/20/13 16:49	04/20/13 23:21	1
Toluene-d8 (Surr)	93		71 - 125				04/20/13 16:49	04/20/13 23:21	1
4-Bromofluorobenzene (Surr)	95		72 - 126				04/20/13 16:49	04/20/13 23:21	1

TestAmerica Buffalo

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (53-146)	TOL (50-149)	BFB (49-148)
480-36716-1	G2-1 14'	113	103	99
480-36716-2	H2-2 16'	119	102	99
480-36716-4 - DL	H4 14'	101	103	100
480-36716-5	H2-1 14'	103	103	102
480-36716-6	E6 14'	102	103	101
480-36716-7 - DL	G3 14'	98	103	101
LCS 480-114171/13-A	Lab Control Sample	102	103	99
LCS 480-114171/15-A	Lab Control Sample	98	102	100
MB 480-114171/14-A	Method Blank	102	102	97
MB 480-114171/16-A	Method Blank	100	102	98

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-36716-3	G2-2 16'	114	98	101
480-36716-4	H4 14'	90	96	99
480-36716-7	G3 14'	102	96	97
480-36716-8	G4 14'	100	96	99
480-36716-9	H3 14'	107	107	105
480-36716-10	E2-2 16'	109	93	95
LCS 480-114125/4	Lab Control Sample	89	98	104
MB 480-114125/5	Method Blank	89	100	107

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: MB 480-114125/5

Matrix: Solid

Analysis Batch: 114125

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			04/20/13 16:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			04/20/13 16:23	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			04/20/13 16:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			04/20/13 16:23	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			04/20/13 16:23	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			04/20/13 16:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			04/20/13 16:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			04/20/13 16:23	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			04/20/13 16:23	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			04/20/13 16:23	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			04/20/13 16:23	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			04/20/13 16:23	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			04/20/13 16:23	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			04/20/13 16:23	1
2-Hexanone	ND		25	2.5	ug/Kg			04/20/13 16:23	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			04/20/13 16:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			04/20/13 16:23	1
Acetone	ND		25	4.2	ug/Kg			04/20/13 16:23	1
Benzene	ND		5.0	0.25	ug/Kg			04/20/13 16:23	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			04/20/13 16:23	1
Bromoform	ND		5.0	2.5	ug/Kg			04/20/13 16:23	1
Bromomethane	ND		5.0	0.45	ug/Kg			04/20/13 16:23	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			04/20/13 16:23	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			04/20/13 16:23	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			04/20/13 16:23	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			04/20/13 16:23	1
Chloroethane	ND		5.0	1.1	ug/Kg			04/20/13 16:23	1
Chloroform	ND		5.0	0.31	ug/Kg			04/20/13 16:23	1
Chloromethane	ND		5.0	0.30	ug/Kg			04/20/13 16:23	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			04/20/13 16:23	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			04/20/13 16:23	1
Cyclohexane	ND		5.0	0.70	ug/Kg			04/20/13 16:23	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			04/20/13 16:23	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			04/20/13 16:23	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			04/20/13 16:23	1
Methyl acetate	ND		5.0	0.93	ug/Kg			04/20/13 16:23	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			04/20/13 16:23	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			04/20/13 16:23	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			04/20/13 16:23	1
Styrene	ND		5.0	0.25	ug/Kg			04/20/13 16:23	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			04/20/13 16:23	1
Toluene	1.33	J	5.0	0.38	ug/Kg			04/20/13 16:23	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			04/20/13 16:23	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/20/13 16:23	1
Trichloroethene	ND		5.0	1.1	ug/Kg			04/20/13 16:23	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			04/20/13 16:23	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			04/20/13 16:23	1
Xylenes, Total	1.77	J	10	0.84	ug/Kg			04/20/13 16:23	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: MB 480-114125/5

Matrix: Solid

Analysis Batch: 114125

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	89		64 - 126		04/20/13 16:23	1
Toluene-d8 (Surr)	100		71 - 125		04/20/13 16:23	1
4-Bromofluorobenzene (Surr)	107		72 - 126		04/20/13 16:23	1

Lab Sample ID: LCS 480-114125/4

Matrix: Solid

Analysis Batch: 114125

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1-Dichloroethane	50.0	45.0		ug/Kg		90	73 - 126
1,1-Dichloroethene	50.0	40.2		ug/Kg		80	59 - 125
1,2-Dichlorobenzene	50.0	50.0		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	47.4		ug/Kg		95	77 - 122
Benzene	50.0	43.7		ug/Kg		87	79 - 127
Chlorobenzene	50.0	51.9		ug/Kg		104	76 - 124
cis-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	81 - 117
Ethylbenzene	50.0	50.3		ug/Kg		101	80 - 120
Methyl tert-butyl ether	50.0	45.9		ug/Kg		92	63 - 125
Tetrachloroethene	50.0	54.1		ug/Kg		108	74 - 122
Toluene	50.0	49.3		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	46.6		ug/Kg		93	78 - 126
Trichloroethene	50.0	46.1		ug/Kg		92	77 - 129

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		64 - 126
Toluene-d8 (Surr)	98		71 - 125
4-Bromofluorobenzene (Surr)	104		72 - 126

Lab Sample ID: MB 480-114171/14-A

Matrix: Solid

Analysis Batch: 114196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,1-Dichloroethane	ND		50	15	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,1-Dichloroethene	ND		50	17	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2-Dichloroethane	ND		50	20	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
2-Hexanone	ND		250	100	ug/Kg		04/21/13 12:30	04/22/13 02:31	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: MB 480-114171/14-A

Matrix: Solid

Analysis Batch: 114196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Butanone (MEK)	ND		250	150	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Acetone	ND		250	210	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Benzene	ND		50	2.4	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Bromodichloromethane	ND		50	10	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Bromoform	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Bromomethane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Carbon disulfide	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Carbon tetrachloride	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Chlorobenzene	ND		50	6.6	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Dibromochloromethane	ND		50	24	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Chloroethane	ND		50	10	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Chloroform	ND		50	34	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Chloromethane	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Cyclohexane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Dichlorodifluoromethane	ND		50	22	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Ethylbenzene	ND		50	15	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Isopropylbenzene	ND		50	7.5	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Methyl acetate	ND		50	24	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Methyl tert-butyl ether	ND		50	19	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Methylcyclohexane	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Methylene Chloride	ND		50	9.9	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Styrene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Tetrachloroethene	ND		50	6.7	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Toluene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Trichloroethene	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Trichlorofluoromethane	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Vinyl chloride	ND		50	17	ug/Kg		04/21/13 12:30	04/22/13 02:31	1
Xylenes, Total	ND		100	8.4	ug/Kg		04/21/13 12:30	04/22/13 02:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	04/21/13 12:30	04/22/13 02:31	1
Toluene-d8 (Surr)	102		50 - 149	04/21/13 12:30	04/22/13 02:31	1
4-Bromofluorobenzene (Surr)	97		49 - 148	04/21/13 12:30	04/22/13 02:31	1

Lab Sample ID: MB 480-114171/16-A

Matrix: Solid

Analysis Batch: 114245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,1,2-Trichloroethane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 11:04	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: MB 480-114171/16-A

Matrix: Solid

Analysis Batch: 114245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethane	ND		50	15	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,1-Dichloroethene	ND		50	17	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2-Dibromoethane	ND		50	1.9	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2-Dichloroethane	ND		50	20	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
2-Hexanone	ND		250	100	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
2-Butanone (MEK)	ND		250	150	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Acetone	ND		250	210	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Benzene	ND		50	2.4	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Bromodichloromethane	ND		50	10	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Bromoform	ND		50	25	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Bromomethane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Carbon disulfide	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Carbon tetrachloride	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Chlorobenzene	ND		50	6.6	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Dibromochloromethane	ND		50	24	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Chloroethane	ND		50	10	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Chloroform	ND		50	34	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Chloromethane	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Cyclohexane	ND		50	11	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Dichlorodifluoromethane	ND		50	22	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Ethylbenzene	ND		50	15	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Isopropylbenzene	ND		50	7.5	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Methyl acetate	ND		50	24	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Methyl tert-butyl ether	ND		50	19	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Methylcyclohexane	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Methylene Chloride	ND		50	9.9	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Styrene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Tetrachloroethene	ND		50	6.7	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Toluene	ND		50	13	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
trans-1,3-Dichloropropene	ND		50	2.4	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Trichloroethene	ND		50	14	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Trichlorofluoromethane	ND		50	23	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Vinyl chloride	ND		50	17	ug/Kg		04/21/13 12:30	04/22/13 11:04	1
Xylenes, Total	ND		100	8.4	ug/Kg		04/21/13 12:30	04/22/13 11:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	04/21/13 12:30	04/22/13 11:04	1
Toluene-d8 (Surr)	102		50 - 149	04/21/13 12:30	04/22/13 11:04	1

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: MB 480-114171/16-A

Matrix: Solid

Analysis Batch: 114245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 114171

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	98		49 - 148	04/21/13 12:30	04/22/13 11:04	1

Lab Sample ID: LCS 480-114171/13-A

Matrix: Solid

Analysis Batch: 114196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1250	905		ug/Kg		72	54 - 144
1,2-Dichlorobenzene	1250	1380		ug/Kg		110	80 - 132
1,2-Dichloroethane	1250	1290		ug/Kg		103	78 - 129
Benzene	1250	1300		ug/Kg		104	75 - 131
Chlorobenzene	1250	1330		ug/Kg		106	80 - 127
cis-1,2-Dichloroethene	1250	1360		ug/Kg		109	79 - 128
Ethylbenzene	1250	1320		ug/Kg		105	78 - 136
Methyl tert-butyl ether	1250	1090		ug/Kg		87	67 - 137
Tetrachloroethene	1250	1350		ug/Kg		108	72 - 141
Toluene	1250	1300		ug/Kg		104	76 - 133
trans-1,2-Dichloroethene	1250	1070		ug/Kg		86	81 - 147
Trichloroethene	1250	1310		ug/Kg		105	77 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	102		53 - 146
Toluene-d8 (Surr)	103		50 - 149
4-Bromofluorobenzene (Surr)	99		49 - 148

Lab Sample ID: LCS 480-114171/15-A

Matrix: Solid

Analysis Batch: 114245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	1250	738		ug/Kg		59	54 - 144
1,2-Dichlorobenzene	1250	1340		ug/Kg		107	80 - 132
1,2-Dichloroethane	1250	1230		ug/Kg		99	78 - 129
Benzene	1250	1270		ug/Kg		101	75 - 131
Chlorobenzene	1250	1290		ug/Kg		103	80 - 127
cis-1,2-Dichloroethene	1250	1290		ug/Kg		103	79 - 128
Ethylbenzene	1250	1280		ug/Kg		102	78 - 136
Methyl tert-butyl ether	1250	1070		ug/Kg		86	67 - 137
Tetrachloroethene	1250	1290		ug/Kg		103	72 - 141
Toluene	1250	1260		ug/Kg		101	76 - 133
trans-1,2-Dichloroethene	1250	1040		ug/Kg		83	81 - 147
Trichloroethene	1250	1260		ug/Kg		101	77 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		53 - 146

TestAmerica Buffalo

QC Sample Results

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

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

Lab Sample ID: LCS 480-114171/15-A

Matrix: Solid

Analysis Batch: 114245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114171

<i>Surrogate</i>	<i>LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
<i>Toluene-d8 (Surr)</i>	102		50 - 149
<i>4-Bromofluorobenzene (Surr)</i>	100		49 - 148

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QC Association Summary

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

GC/MS VOA

Analysis Batch: 114125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-3	G2-2 16'	Total/NA	Solid	8260B	114151
480-36716-4	H4 14'	Total/NA	Solid	8260B	114151
480-36716-7	G3 14'	Total/NA	Solid	8260B	114151
480-36716-8	G4 14'	Total/NA	Solid	8260B	114151
480-36716-9	H3 14'	Total/NA	Solid	8260B	114151
480-36716-10	E2-2 16'	Total/NA	Solid	8260B	114151
LCS 480-114125/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-114125/5	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 114151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-3	G2-2 16'	Total/NA	Solid	5035	
480-36716-4	H4 14'	Total/NA	Solid	5035	
480-36716-7	G3 14'	Total/NA	Solid	5035	
480-36716-8	G4 14'	Total/NA	Solid	5035	
480-36716-9	H3 14'	Total/NA	Solid	5035	
480-36716-10	E2-2 16'	Total/NA	Solid	5035	

Prep Batch: 114171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-1	G2-1 14'	Total/NA	Solid	5035	
480-36716-2	H2-2 16'	Total/NA	Solid	5035	
480-36716-4 - DL	H4 14'	Total/NA	Solid	5035	
480-36716-5	H2-1 14'	Total/NA	Solid	5035	
480-36716-6	E6 14'	Total/NA	Solid	5035	
480-36716-7 - DL	G3 14'	Total/NA	Solid	5035	
LCS 480-114171/13-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 480-114171/15-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-114171/14-A	Method Blank	Total/NA	Solid	5035	
MB 480-114171/16-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 114196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-1	G2-1 14'	Total/NA	Solid	8260B	114171
480-36716-2	H2-2 16'	Total/NA	Solid	8260B	114171
480-36716-5	H2-1 14'	Total/NA	Solid	8260B	114171
480-36716-6	E6 14'	Total/NA	Solid	8260B	114171
480-36716-7 - DL	G3 14'	Total/NA	Solid	8260B	114171
LCS 480-114171/13-A	Lab Control Sample	Total/NA	Solid	8260B	114171
MB 480-114171/14-A	Method Blank	Total/NA	Solid	8260B	114171

Analysis Batch: 114245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-4 - DL	H4 14'	Total/NA	Solid	8260B	114171
LCS 480-114171/15-A	Lab Control Sample	Total/NA	Solid	8260B	114171
MB 480-114171/16-A	Method Blank	Total/NA	Solid	8260B	114171

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

General Chemistry

Analysis Batch: 114039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-36716-1	G2-1 14'	Total/NA	Solid	Moisture	
480-36716-2	H2-2 16'	Total/NA	Solid	Moisture	
480-36716-3	G2-2 16'	Total/NA	Solid	Moisture	
480-36716-4	H4 14'	Total/NA	Solid	Moisture	
480-36716-5	H2-1 14'	Total/NA	Solid	Moisture	
480-36716-6	E6 14'	Total/NA	Solid	Moisture	
480-36716-7	G3 14'	Total/NA	Solid	Moisture	
480-36716-8	G4 14'	Total/NA	Solid	Moisture	
480-36716-9	H3 14'	Total/NA	Solid	Moisture	
480-36716-10	E2-2 16'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: G2-1 14'

Lab Sample ID: 480-36716-1

Date Collected: 04/19/13 11:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B		25	114196	04/22/13 03:27	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: H2-2 16'

Lab Sample ID: 480-36716-2

Date Collected: 04/19/13 09:30

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B		100	114196	04/22/13 03:49	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: G2-2 16'

Lab Sample ID: 480-36716-3

Date Collected: 04/19/13 09:15

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 21:15	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: H4 14'

Lab Sample ID: 480-36716-4

Date Collected: 04/19/13 10:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 21:40	CDC	TAL BUF
Total/NA	Prep	5035	DL		114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B	DL	2	114245	04/22/13 12:09	RJ	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: H2-1 14'

Lab Sample ID: 480-36716-5

Date Collected: 04/19/13 09:00

Matrix: Solid

Date Received: 04/19/13 16:15

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B		1	114196	04/22/13 04:32	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Client Sample ID: E6 14'

Date Collected: 04/19/13 11:00

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-6

Matrix: Solid

Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B		1	114196	04/22/13 04:54	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: G3 14'

Date Collected: 04/19/13 10:30

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-7

Matrix: Solid

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 22:05	CDC	TAL BUF
Total/NA	Prep	5035	DL		114171	04/21/13 12:30	RL	TAL BUF
Total/NA	Analysis	8260B	DL	1	114196	04/22/13 05:16	TRF	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: G4 14'

Date Collected: 04/19/13 07:30

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-8

Matrix: Solid

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 22:31	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: H3 14'

Date Collected: 04/19/13 08:00

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-9

Matrix: Solid

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 22:56	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

Client Sample ID: E2-2 16'

Date Collected: 04/18/13 08:15

Date Received: 04/19/13 16:15

Lab Sample ID: 480-36716-10

Matrix: Solid

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			114151	04/20/13 16:49	RJ	TAL BUF
Total/NA	Analysis	8260B		1	114125	04/20/13 23:21	CDC	TAL BUF
Total/NA	Analysis	Moisture		1	114039	04/19/13 21:21	CDC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Certification Summary

Client: C&S Engineers, Inc.
 Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAP	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-14
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAP	5	200003	09-30-13
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-13
Maryland	State Program	3	294	03-31-13 *
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13 *
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-13
New Hampshire	NELAP	1	2337	11-17-13
New Jersey	NELAP	2	NY455	06-30-13
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-13 *
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAP	10	NY200003	06-09-13
Pennsylvania	NELAP	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-13
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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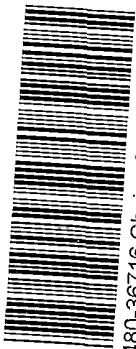
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Sample Summary

Client: C&S Engineers, Inc.
Project/Site: 979-1001 Main St., Buffalo Brownfields

TestAmerica Job ID: 480-36716-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-36716-1	G2-1 14'	Solid	04/19/13 11:30	04/19/13 16:15
480-36716-2	H2-2 16'	Solid	04/19/13 09:30	04/19/13 16:15
480-36716-3	G2-2 16'	Solid	04/19/13 09:15	04/19/13 16:15
480-36716-4	H4 14'	Solid	04/19/13 10:00	04/19/13 16:15
480-36716-5	H2-1 14'	Solid	04/19/13 09:00	04/19/13 16:15
480-36716-6	E6 14'	Solid	04/19/13 11:00	04/19/13 16:15
480-36716-7	G3 14'	Solid	04/19/13 10:30	04/19/13 16:15
480-36716-8	G4 14'	Solid	04/19/13 07:30	04/19/13 16:15
480-36716-9	H3 14'	Solid	04/19/13 08:00	04/19/13 16:15
480-36716-10	E2-2 16'	Solid	04/18/13 08:15	04/19/13 16:15



Chain of Custody Record

TAL-4124 (1007)

480-36716 Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Signature on Receipt _____

Water? Yes No

Client **C&S Engineers, Inc** Date **04/19/13** Chain of Custody Number **236773**

Address **90 Broadway** Telephone Number (Area Code)/Fax Number **716-847-1830** Page **1** of **1**

City **Buffalo** State **NY** Zip Code **14203** Site Contact _____ Lab Contact _____

Project Name and Location (State) **MOB** Carrier/Waybill Number _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Special Instructions/ Conditions of Receipt							
			Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH		ZnAc	H2O2					
G2-1 14'	04/19/13	11:30		X		X													
H2-2 16'		9:30																	
G2-2 16'		9:15																	
H4 14'		10:00																	
H2-1 14'		9:00																	
F6 14'		11:00																	
G3 14'		10:30																	
G4 14'		7:30																	
H3 14'		8:00																	
E2-2 16'	04/18/13	8:15		X															

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal
 Return To Client Archive For _____ Months Disposal By Lab (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify)

1. Relinquished By **[Signature]** Date **04/19/13** Time **3:30**

2. Relinquished By **[Signature]** Date **4/19/13** Time **16:15**

3. Relinquished By **[Signature]** Date _____ Time _____

1. Received By **[Signature]** Date **4/19/13** Time **1530**

2. Received By **[Signature]** Date **4/19/13** Time **1615**

3. Received By _____ Date _____ Time _____

Comments **3, 1 #1**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy



Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-36716-1

Login Number: 36716

List Number: 1

Creator: Janish, Carl

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C+S
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	