

September 8, 2014

Mr. David Gardner  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-7017

**RE: Vatrano Road 2014 Annual Groundwater Monitoring Results  
CHA Project No. 25660**

Dear Mr. Gardner:

As noted in a New York State Department of Environmental Conservation letter dated March 14, 2011, the need for any subsequent submission of a Periodic Review Report was to be determined by the approval date of the 2010 Periodic Review Report and upon finalization of the Draft Site Management Plan (SMP). It is our understanding that the SMP will be finalized and approved shortly. We anticipate submitting a Periodic Review Report once the reporting period has been identified by the NYSDEC. Since a Periodic Review Report will not be submitted for this year's monitoring event, we are transmitting to you the results obtained during our most recent monitoring event conducted at the Vatrano Road Site. The 2014 sampling event was completed on May 13<sup>th</sup> and 14<sup>th</sup>, 2014. Enclosed as Attachment A, please find a summary table of the analytical results. The complete laboratory analytical report has been included as Attachment B.

The March 2003 Annual Monitoring event was scheduled to be the third, and final, of three annual monitoring events for the site as specified in the March 1998 Post-closure Monitoring and Maintenance Operations Manual. However, due to levels of PCBs and VOCs detected in the monitoring wells during the 2003 sampling event, CHA recommended that the annual monitoring program continue for an additional year so that any increase or decrease in PCB and VOC concentrations could be observed. However, during each event since 2003, a limited number of the parameters of concern have continued to exceed applicable groundwater standards.

As a result of the continued detection of VOCs and PCBs above NYSDEC groundwater standards, the annual monitoring program has been continually extended. In an overall review of the historical data, contaminant concentrations have either stabilized or are generally decreasing over time, and many parameters are no longer present at concentrations above the reporting limits. However, the 2014 monitoring results continue to indicate the presence of PCBs and VOCs with some concentrations remaining above standards. However, the only monitoring wells sampled that

contained any parameter above standards are monitoring well MW-2 (PCBs; tetrachloroethene; trichloroethene; 1,2-dichloroethene; and vinyl chloride) and monitoring well MW-7 (tetrachloroethene). All other results are below applicable groundwater standards.

As a result of the continuing exceedances of groundwater standards in monitoring well MW-2 and MW-7, it is proposed that the next monitoring event take place in April 2015. However, based on historical data, it is proposed that wells MW-5, MW-6 and MW-9 no longer be sampled. There have been no detected constituents in MW-5 since the April 2007 monitoring round, in MW-6 since the April 2006 monitoring round, or in MW-9 since the April 2011 monitoring round. Prior to the detection of benzene in MW-9 in 2011, which appears to be anomalous, there had been no detected constituents since April 2008. It is recommended, however, that these wells continue to be gauged so that the water level data may be utilized in the development of the groundwater contour map for the monitoring event.

Please note that the data obtained during this monitoring period is currently being formatted in the New York State Department of Environmental Conservation's (NYSDEC) standardized electronic data deliverable (EDD) format to meet the guidelines specified by the NYSDEC and will be submitted electronically.

Please do not hesitate to contact me with any questions or comments regarding this submission.

Sincerely,



Sarah D. Benson  
Project Manager

SDB/  
Attachments

cc: Tom Antonoff, GE w/ enclosure

**ATTACHMENT A**  
**Groundwater Analytical Results Summary Table**



**GROUNDWATER ANALYSIS SUMMARY TABLE - DETECTIONS ONLY**  
**Contaminants of Concern**  
 Vatrano Road  
 Albany, NY

Parameter (ug/l) [C]	WELL NUMBER																				
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10**											
<b>Date Sampled</b>																					
<b>Total PCB's [0.09]</b>																					
Aug-91	ND	5.180	1.200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Jul-97	NA	3.190	0.680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr-98	ND	0.383	ND	ND	17.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	0.3 J	ND	ND	1.200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-99	ND	1.390	ND	ND	4.800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct-99	ND	0.850	ND	ND	2.000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-00	ND	0.610	ND	ND	0.570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-01	ND	1.011	ND	ND	1.400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-02	ND	1.240	ND	ND	0.720	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	1.820	ND	ND	6.270	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.220
Apr-04	ND	0.910	ND	ND	12.300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.300
Apr-05	NA	0.530 E	ND	ND	0.138 E	0.103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.200
Apr-06	ND	0.341	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.088 E
Apr-07	ND	0.066	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.071
Apr-08	ND	0.526	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.561
Apr-09	ND	0.480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.152
Apr-10	ND	0.518	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-07	ND	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-08	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-09	ND	180	ND	7.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-10	ND	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-11	ND	110	NS†	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-12	ND	131.5	NS†	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-13	ND	100	NS†	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May-14	ND	110	NS†	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**GROUNDWATER ANALYSIS SUMMARY TABLE - DETECTIONS ONLY**  
**Contaminants of Concern**  
 Vatrano Road  
 Albany, NY

Parameter (ug/l) [1]	WELL NUMBER																				
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10**											
<b>Date Sampled</b>																					
<b>Chlorobenzene [5]</b>																					
Aug-91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul-97	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Apr-98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct-98	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J
Oct-99	ND	2 J	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J
Mar-01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mar-03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-05	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-13	ND	ND	ND	ND	ND	ND	0.98 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>1,3-Dichlorobenzene [3]</b>																					
Apr-11	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-12	ND	2.4	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr-13	ND	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
May-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**GROUNDWATER ANALYSIS SUMMARY TABLE - DETECTIONS ONLY**  
**Contaminants of Concern**  
 Vatrano Road  
 Albany, NY

Parameter (ug/l) [*] Date Sampled	WELL NUMBER									
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10**
<b>1,4-Dichlorobenzene [3]</b>										
Apr-11	ND	9.4	NS†	ND	ND	ND	ND	NS†	ND	ND
Apr-12	ND	3.7	NS†	12	ND	ND	ND	NS†	ND	ND
Apr-13	ND	ND	NS†	3.8	ND	ND	ND	NS†	ND	ND
May-14	ND	ND	NS†	ND	ND	ND	ND	NS†	ND	ND
<b>1,2,4-Trichlorobenzene [5]</b>										
Apr-11	ND	5.3	NS†	3 J	ND	ND	ND	NS†	ND	ND
Apr-12	ND	3	NS†	20	0.61 J	ND	ND	NS†	ND	0.54 J
Apr-13	ND	ND	NS†	5.3	ND	ND	ND	NS†	ND	ND
May-14	ND	ND	NS†	ND	ND	ND	ND	NS†	ND	ND
<b>Benzene [1]</b>										
Apr-11	ND	ND	NS†	ND	ND	ND	ND	NS†	5.5	ND
Apr-12	ND	ND	NS†	ND	ND	ND	ND	NS†	ND	ND
Apr-13	ND	ND	NS†	ND	ND	ND	ND	NS†	ND	ND
May-14	ND	ND	NS†	ND	ND	ND	ND	NS†	ND	ND

[\*] Groundwater Standard Guidance Value      Shaded Values Are Above The Standard  
 B = Less Than Contract Detection Limits

**ATTACHMENT B**  
**Laboratory Analytical Results Package**



# TestAmerica

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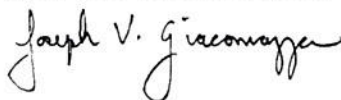
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

TestAmerica Job ID: 480-59900-1  
Client Project/Site: Vatrano Road

For:  
CHA Inc  
111 Winner Circle  
PO BOX 5269  
Albany, New York 12205-0269

Attn: Ms. Sarah Benson



Authorized for release by:  
5/28/2014 4:01:40 PM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

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

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





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## Definitions/Glossary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

### Qualifiers

#### GC/MS VOA

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

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
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)
NC	Not Calculated
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: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Job ID: 480-59900-1

Laboratory: TestAmerica Buffalo

## Narrative

Job Narrative  
480-59900-1

### Receipt

The samples were received on 5/15/2014 2:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

### GC/MS VOA

Method(s) 8260C: The laboratory control sample (LCS) for batch 182774 recovered outside control limits for the following analyte: Chloroethane. This analyte was not a client requested spiking compound; therefore, the data have been reported.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-2 (480-59900-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### GC Semi VOA

Method(s) 8082A: The continuing calibration verification (CCV) associated with batch 183232 recovered above the upper control limits. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-183232/24), (CCV 480-183232/35), MW-2 (480-59900-8).

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl was decreased and slightly exceeded 20%, indicating a low bias. (CCV 480-184055/26)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-6

Lab Sample ID: 480-59900-1

No Detections.

Client Sample ID: MW-7

Lab Sample ID: 480-59900-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.5		1.0	0.81	ug/L	1			8260C	Total/NA
Tetrachloroethene	8.8		1.0	0.36	ug/L	1			8260C	Total/NA
Trichloroethene	2.5		1.0	0.46	ug/L	1			8260C	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 480-59900-3

No Detections.

Client Sample ID: MW-9

Lab Sample ID: 480-59900-4

No Detections.

Client Sample ID: MW-5

Lab Sample ID: 480-59900-5

No Detections.

Client Sample ID: MW-10

Lab Sample ID: 480-59900-6

No Detections.

Client Sample ID: MW-4

Lab Sample ID: 480-59900-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L	1			8260C	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 480-59900-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	110		4.0	3.2	ug/L	4			8260C	Total/NA
Tetrachloroethene	180		4.0	1.4	ug/L	4			8260C	Total/NA
Trichloroethene	45		4.0	1.8	ug/L	4			8260C	Total/NA
Vinyl chloride	13		4.0	3.6	ug/L	4			8260C	Total/NA
PCB-1254	0.65		0.48	0.24	ug/L	1			8082A	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-59900-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Tetrachloroethene	0.41	J	1.0	0.36	ug/L	1			8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-6

Lab Sample ID: 480-59900-1

Date Collected: 05/13/14 10:00

Matrix: Water

Date Received: 05/15/14 02:30

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 15:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 15:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 15:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 15:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 15:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 15:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 15:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 15:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 15:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 15:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 15:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 15:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 15:12	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 15:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 15:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 15:12	1
Acetone	ND		10	3.0	ug/L			05/19/14 15:12	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 15:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 15:12	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 15:12	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 15:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 15:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 15:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 15:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 15:12	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 15:12	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 15:12	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 15:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 15:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 15:12	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 15:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 15:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 15:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 15:12	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 15:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 15:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 15:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 15:12	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 15:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 15:12	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 15:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 15:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 15:12	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 15:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 15:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 15:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 15:12	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-6**  
Date Collected: 05/13/14 10:00  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-1**  
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137		05/19/14 15:12	1
Toluene-d8 (Surr)	95		71 - 126		05/19/14 15:12	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/14 15:12	1
Dibromofluoromethane (Surr)	100		60 - 140		05/19/14 15:12	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1221	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1232	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1242	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1248	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1254	ND		0.49	0.25	ug/L		05/20/14 06:57	05/21/14 12:27	1
PCB-1260	ND		0.49	0.25	ug/L		05/20/14 06:57	05/21/14 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	51		19 - 126	05/20/14 06:57	05/21/14 12:27	1
Tetrachloro-m-xylene	86		23 - 127	05/20/14 06:57	05/21/14 12:27	1

**Client Sample ID: MW-7**  
Date Collected: 05/13/14 11:15  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-2**  
Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 15:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 15:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 15:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 15:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 15:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 15:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 15:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 15:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 15:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 15:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 15:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 15:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 15:36	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 15:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 15:36	1
Acetone	ND		10	3.0	ug/L			05/19/14 15:36	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 15:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 15:36	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 15:36	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 15:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 15:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 15:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 15:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 15:36	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-7

Lab Sample ID: 480-59900-2

Date Collected: 05/13/14 11:15

Matrix: Water

Date Received: 05/15/14 02:30

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 15:36	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 15:36	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 15:36	1
cis-1,2-Dichloroethene	4.5		1.0	0.81	ug/L			05/19/14 15:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 15:36	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 15:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 15:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 15:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 15:36	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 15:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 15:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 15:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 15:36	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 15:36	1
Tetrachloroethene	8.8		1.0	0.36	ug/L			05/19/14 15:36	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 15:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 15:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 15:36	1
Trichloroethene	2.5		1.0	0.46	ug/L			05/19/14 15:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 15:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 15:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		05/19/14 15:36	1
Toluene-d8 (Surr)	96		71 - 126		05/19/14 15:36	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/14 15:36	1
Dibromofluoromethane (Surr)	99		60 - 140		05/19/14 15:36	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1221	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1232	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1242	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1248	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1254	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 12:43	1
PCB-1260	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		19 - 126	05/20/14 06:57	05/21/14 12:43	1
Tetrachloro-m-xylene	88		23 - 127	05/20/14 06:57	05/21/14 12:43	1

Client Sample ID: MW-1

Lab Sample ID: 480-59900-3

Date Collected: 05/13/14 13:00

Matrix: Water

Date Received: 05/15/14 02:30

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 16:00	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-1**  
Date Collected: 05/13/14 13:00  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-3**  
Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 16:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 16:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 16:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 16:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 16:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 16:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 16:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 16:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 16:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 16:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 16:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 16:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 16:00	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 16:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 16:00	1
Acetone	ND		10	3.0	ug/L			05/19/14 16:00	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 16:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 16:00	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 16:00	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 16:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 16:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 16:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 16:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 16:00	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 16:00	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 16:00	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 16:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 16:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 16:00	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 16:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 16:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 16:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 16:00	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 16:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 16:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 16:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 16:00	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 16:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 16:00	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 16:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 16:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 16:00	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 16:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 16:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 16:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		05/19/14 16:00	1

TestAmerica Buffalo



# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-1**  
Date Collected: 05/13/14 13:00  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-3**  
Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 126		05/19/14 16:00	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/19/14 16:00	1
Dibromofluoromethane (Surr)	94		60 - 140		05/19/14 16:00	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1221	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1232	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1242	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1248	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1254	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 12:59	1
PCB-1260	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		19 - 126	05/20/14 06:57	05/21/14 12:59	1
Tetrachloro-m-xylene	89		23 - 127	05/20/14 06:57	05/21/14 12:59	1

**Client Sample ID: MW-9**  
Date Collected: 05/13/14 14:35  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-4**  
Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 16:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 16:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 16:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 16:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 16:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 16:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 16:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 16:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 16:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 16:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 16:24	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 16:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 16:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 16:24	1
Acetone	ND		10	3.0	ug/L			05/19/14 16:24	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 16:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 16:24	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 16:24	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 16:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 16:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 16:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 16:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 16:24	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-9  
Date Collected: 05/13/14 14:35  
Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-4  
Matrix: Water

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 16:24	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 16:24	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 16:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 16:24	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 16:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 16:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 16:24	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 16:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 16:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 16:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 16:24	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 16:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 16:24	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 16:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 16:24	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 16:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 16:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					05/19/14 16:24	1
Toluene-d8 (Surr)	94		71 - 126					05/19/14 16:24	1
4-Bromofluorobenzene (Surr)	100		73 - 120					05/19/14 16:24	1
Dibromofluoromethane (Surr)	96		60 - 140					05/19/14 16:24	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1221	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1232	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1242	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1248	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1254	ND		0.51	0.26	ug/L		05/20/14 06:57	05/21/14 13:15	1
PCB-1260	ND		0.51	0.26	ug/L		05/20/14 06:57	05/21/14 13:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		19 - 126				05/20/14 06:57	05/21/14 13:15	1
Tetrachloro-m-xylene	91		23 - 127				05/20/14 06:57	05/21/14 13:15	1

## Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L		05/16/14 07:55	05/16/14 22:35	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/19/14 09:30	05/19/14 13:18	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-5**

**Lab Sample ID: 480-59900-5**

Date Collected: 05/13/14 16:05

Matrix: Water

Date Received: 05/15/14 02:30

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 16:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 16:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 16:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 16:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 16:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 16:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 16:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 16:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 16:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 16:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 16:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 16:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 16:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 16:47	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 16:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 16:47	1
Acetone	ND		10	3.0	ug/L			05/19/14 16:47	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 16:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 16:47	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 16:47	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 16:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 16:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 16:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 16:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 16:47	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 16:47	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 16:47	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 16:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 16:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 16:47	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 16:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 16:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 16:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 16:47	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 16:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 16:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 16:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 16:47	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 16:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 16:47	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 16:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 16:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 16:47	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 16:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 16:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 16:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 16:47	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-5**  
Date Collected: 05/13/14 16:05  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-5**  
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		05/19/14 16:47	1
Toluene-d8 (Surr)	96		71 - 126		05/19/14 16:47	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/19/14 16:47	1
Dibromofluoromethane (Surr)	97		60 - 140		05/19/14 16:47	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1221	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1232	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1242	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1248	ND		0.49	0.17	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1254	ND		0.49	0.25	ug/L		05/20/14 06:57	05/21/14 13:31	1
PCB-1260	ND		0.49	0.25	ug/L		05/20/14 06:57	05/21/14 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		19 - 126	05/20/14 06:57	05/21/14 13:31	1
Tetrachloro-m-xylene	90		23 - 127	05/20/14 06:57	05/21/14 13:31	1

**Client Sample ID: MW-10**  
Date Collected: 05/13/14 17:30  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-6**  
Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 17:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 17:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 17:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 17:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 17:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 17:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 17:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 17:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 17:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 17:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 17:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 17:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 17:11	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 17:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 17:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 17:11	1
Acetone	ND		10	3.0	ug/L			05/19/14 17:11	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 17:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 17:11	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 17:11	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 17:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 17:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 17:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 17:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 17:11	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-10

Lab Sample ID: 480-59900-6

Date Collected: 05/13/14 17:30

Matrix: Water

Date Received: 05/15/14 02:30

### Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	1.0	0.32	ug/L			05/19/14 17:11	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 17:11	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 17:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 17:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 17:11	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 17:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 17:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 17:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 17:11	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 17:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 17:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 17:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 17:11	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 17:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 17:11	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 17:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 17:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 17:11	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 17:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 17:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 17:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		66 - 137		05/19/14 17:11	1
Toluene-d8 (Surr)	94		71 - 126		05/19/14 17:11	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/19/14 17:11	1
Dibromofluoromethane (Surr)	93		60 - 140		05/19/14 17:11	1

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.17	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1221	ND		0.50	0.17	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1232	ND		0.50	0.17	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1242	ND		0.50	0.17	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1248	ND		0.50	0.17	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1254	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 13:46	1
PCB-1260	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		19 - 126	05/20/14 06:57	05/21/14 13:46	1
Tetrachloro-m-xylene	88		23 - 127	05/20/14 06:57	05/21/14 13:46	1

Client Sample ID: MW-4

Lab Sample ID: 480-59900-7

Date Collected: 05/14/14 09:55

Matrix: Water

Date Received: 05/15/14 02:30

### Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 17:35	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-4**

**Lab Sample ID: 480-59900-7**

Date Collected: 05/14/14 09:55

Matrix: Water

Date Received: 05/15/14 02:30

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 17:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 17:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 17:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 17:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 17:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 17:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 17:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 17:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 17:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 17:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 17:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 17:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 17:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 17:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 17:35	1
Acetone	ND		10	3.0	ug/L			05/19/14 17:35	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 17:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 17:35	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 17:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 17:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 17:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 17:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 17:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 17:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 17:35	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 17:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 17:35	1
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L			05/19/14 17:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 17:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 17:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 17:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 17:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 17:35	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 17:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 17:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 17:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 17:35	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 17:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 17:35	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 17:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 17:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 17:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 17:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 17:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 17:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		05/19/14 17:35	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-4**

Date Collected: 05/14/14 09:55

Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-7**

Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		05/19/14 17:35	1
4-Bromofluorobenzene (Surr)	102		73 - 120		05/19/14 17:35	1
Dibromofluoromethane (Surr)	97		60 - 140		05/19/14 17:35	1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1221	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1232	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1242	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1248	ND		0.51	0.18	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1254	ND		0.51	0.26	ug/L		05/20/14 06:57	05/21/14 14:03	1
PCB-1260	ND		0.51	0.26	ug/L		05/20/14 06:57	05/21/14 14:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		19 - 126	05/20/14 06:57	05/21/14 14:03	1
Tetrachloro-m-xylene	92		23 - 127	05/20/14 06:57	05/21/14 14:03	1

**Client Sample ID: MW-2**

Date Collected: 05/14/14 11:10

Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-8**

Matrix: Water

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			05/19/14 17:58	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			05/19/14 17:58	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			05/19/14 17:58	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			05/19/14 17:58	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			05/19/14 17:58	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			05/19/14 17:58	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			05/19/14 17:58	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			05/19/14 17:58	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			05/19/14 17:58	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			05/19/14 17:58	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			05/19/14 17:58	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			05/19/14 17:58	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			05/19/14 17:58	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			05/19/14 17:58	4
2-Hexanone	ND		20	5.0	ug/L			05/19/14 17:58	4
2-Butanone (MEK)	ND		40	5.3	ug/L			05/19/14 17:58	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			05/19/14 17:58	4
Acetone	ND		40	12	ug/L			05/19/14 17:58	4
Benzene	ND		4.0	1.6	ug/L			05/19/14 17:58	4
Bromodichloromethane	ND		4.0	1.6	ug/L			05/19/14 17:58	4
Bromoform	ND		4.0	1.0	ug/L			05/19/14 17:58	4
Bromomethane	ND		4.0	2.8	ug/L			05/19/14 17:58	4
Carbon disulfide	ND		4.0	0.76	ug/L			05/19/14 17:58	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			05/19/14 17:58	4
Chlorobenzene	ND		4.0	3.0	ug/L			05/19/14 17:58	4
Dibromochloromethane	ND		4.0	1.3	ug/L			05/19/14 17:58	4

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: MW-2

Lab Sample ID: 480-59900-8

Date Collected: 05/14/14 11:10

Matrix: Water

Date Received: 05/15/14 02:30

### Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND	*	4.0	1.3	ug/L			05/19/14 17:58	4
Chloroform	ND		4.0	1.4	ug/L			05/19/14 17:58	4
Chloromethane	ND		4.0	1.4	ug/L			05/19/14 17:58	4
cis-1,2-Dichloroethene	110		4.0	3.2	ug/L			05/19/14 17:58	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			05/19/14 17:58	4
Cyclohexane	ND		4.0	0.72	ug/L			05/19/14 17:58	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			05/19/14 17:58	4
Ethylbenzene	ND		4.0	3.0	ug/L			05/19/14 17:58	4
Isopropylbenzene	ND		4.0	3.2	ug/L			05/19/14 17:58	4
Methyl acetate	ND		10	2.0	ug/L			05/19/14 17:58	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			05/19/14 17:58	4
Methylcyclohexane	ND		4.0	0.64	ug/L			05/19/14 17:58	4
Methylene Chloride	ND		4.0	1.8	ug/L			05/19/14 17:58	4
Styrene	ND		4.0	2.9	ug/L			05/19/14 17:58	4
Tetrachloroethene	180		4.0	1.4	ug/L			05/19/14 17:58	4
Toluene	ND		4.0	2.0	ug/L			05/19/14 17:58	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			05/19/14 17:58	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			05/19/14 17:58	4
Trichloroethene	45		4.0	1.8	ug/L			05/19/14 17:58	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			05/19/14 17:58	4
Vinyl chloride	13		4.0	3.6	ug/L			05/19/14 17:58	4
Xylenes, Total	ND		8.0	2.6	ug/L			05/19/14 17:58	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		66 - 137					05/19/14 17:58	4
Toluene-d8 (Surr)	99		71 - 126					05/19/14 17:58	4
4-Bromofluorobenzene (Surr)	103		73 - 120					05/19/14 17:58	4
Dibromofluoromethane (Surr)	96		60 - 140					05/19/14 17:58	4

### Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1221	ND		0.48	0.17	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1232	ND		0.48	0.17	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1242	ND		0.48	0.17	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1248	ND		0.48	0.17	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1254	0.65		0.48	0.24	ug/L		05/20/14 06:57	05/27/14 15:24	1
PCB-1260	ND		0.48	0.24	ug/L		05/20/14 06:57	05/27/14 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		19 - 126				05/20/14 06:57	05/27/14 15:24	1
Tetrachloro-m-xylene	99		23 - 127				05/20/14 06:57	05/27/14 15:24	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-59900-9

Date Collected: 05/14/14 00:00

Matrix: Water

Date Received: 05/15/14 02:30

### Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 18:22	1

TestAmerica Buffalo



# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 480-59900-9**

Date Collected: 05/14/14 00:00

Matrix: Water

Date Received: 05/15/14 02:30

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 18:22	1
1,1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 18:22	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 18:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 18:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 18:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 18:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 18:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 18:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 18:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 18:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 18:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 18:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 18:22	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 18:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 18:22	1
Acetone	ND		10	3.0	ug/L			05/19/14 18:22	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 18:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 18:22	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 18:22	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 18:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 18:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 18:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 18:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 18:22	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 18:22	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 18:22	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 18:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 18:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 18:22	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 18:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 18:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 18:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 18:22	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 18:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 18:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 18:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 18:22	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 18:22	1
Tetrachloroethene	0.41	J	1.0	0.36	ug/L			05/19/14 18:22	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 18:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 18:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 18:22	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 18:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 18:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 18:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		05/19/14 18:22	1

TestAmerica Buffalo

# Client Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-59900-9

Date Collected: 05/14/14 00:00

Matrix: Water

Date Received: 05/15/14 02:30

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		71 - 126		05/19/14 18:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		05/19/14 18:22	1
Dibromofluoromethane (Surr)	94		60 - 140		05/19/14 18:22	1

# Surrogate Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (66-137)	TOL (71-126)	BFB (73-120)	DBFM (60-140)
480-59900-1	MW-6	99	95	101	100
480-59900-2	MW-7	101	96	101	99
480-59900-3	MW-1	98	96	100	94
480-59900-4	MW-9	99	94	100	96
480-59900-5	MW-5	97	96	101	97
480-59900-6	MW-10	92	94	99	93
480-59900-7	MW-4	97	97	102	97
480-59900-8	MW-2	99	99	103	96
480-59900-9	TRIP BLANK	98	94	99	94
LCS 480-182774/5	Lab Control Sample	92	93	99	88
MB 480-182774/7	Method Blank	103	98	104	100

**Surrogate Legend**

12DCE = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (19-126)	TCX1 (23-127)
480-59900-1	MW-6	51	86
480-59900-2	MW-7	76	88
480-59900-3	MW-1	69	89
480-59900-4	MW-9	71	91
480-59900-5	MW-5	54	90
480-59900-6	MW-10	76	88
480-59900-7	MW-4	69	92
480-59900-8	MW-2	66	99
LCS 480-182967/2-A	Lab Control Sample	44	95
MB 480-182967/1-A	Method Blank	49	92

**Surrogate Legend**

DCB = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

# QC Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-182774/7  
Matrix: Water  
Analysis Batch: 182774

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/19/14 11:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/19/14 11:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/19/14 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/19/14 11:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/19/14 11:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/19/14 11:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/19/14 11:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/19/14 11:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/19/14 11:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/19/14 11:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/19/14 11:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/19/14 11:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/19/14 11:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/19/14 11:34	1
2-Hexanone	ND		5.0	1.2	ug/L			05/19/14 11:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/19/14 11:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/19/14 11:34	1
Acetone	ND		10	3.0	ug/L			05/19/14 11:34	1
Benzene	ND		1.0	0.41	ug/L			05/19/14 11:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/19/14 11:34	1
Bromoform	ND		1.0	0.26	ug/L			05/19/14 11:34	1
Bromomethane	ND		1.0	0.69	ug/L			05/19/14 11:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/19/14 11:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/19/14 11:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/19/14 11:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/19/14 11:34	1
Chloroethane	ND		1.0	0.32	ug/L			05/19/14 11:34	1
Chloroform	ND		1.0	0.34	ug/L			05/19/14 11:34	1
Chloromethane	ND		1.0	0.35	ug/L			05/19/14 11:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/19/14 11:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/19/14 11:34	1
Cyclohexane	ND		1.0	0.18	ug/L			05/19/14 11:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/19/14 11:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/19/14 11:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/19/14 11:34	1
Methyl acetate	ND		2.5	0.50	ug/L			05/19/14 11:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/19/14 11:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/19/14 11:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/19/14 11:34	1
Styrene	ND		1.0	0.73	ug/L			05/19/14 11:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/19/14 11:34	1
Toluene	ND		1.0	0.51	ug/L			05/19/14 11:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/19/14 11:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/19/14 11:34	1
Trichloroethene	ND		1.0	0.46	ug/L			05/19/14 11:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/19/14 11:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/19/14 11:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/19/14 11:34	1

TestAmerica Buffalo

# QC Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-182774/7  
Matrix: Water  
Analysis Batch: 182774

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		05/19/14 11:34	1
Toluene-d8 (Surr)	98		71 - 126		05/19/14 11:34	1
4-Bromofluorobenzene (Surr)	104		73 - 120		05/19/14 11:34	1
Dibromofluoromethane (Surr)	100		60 - 140		05/19/14 11:34	1

Lab Sample ID: LCS 480-182774/5  
Matrix: Water  
Analysis Batch: 182774

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	25.0	22.5		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	20.4		ug/L		81	58 - 121
1,2-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 127
Benzene	25.0	21.6		ug/L		86	71 - 124
Chlorobenzene	25.0	22.2		ug/L		89	72 - 120
cis-1,2-Dichloroethene	25.0	21.9		ug/L		87	74 - 124
Ethylbenzene	25.0	21.7		ug/L		87	77 - 123
Methyl tert-butyl ether	25.0	23.4		ug/L		94	64 - 127
Tetrachloroethene	25.0	21.5		ug/L		86	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	21.1		ug/L		84	73 - 127
Trichloroethene	25.0	21.2		ug/L		85	74 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	88		60 - 140

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-182967/1-A  
Matrix: Water  
Analysis Batch: 183232

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 182967

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1221	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1232	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1242	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1248	ND		0.50	0.18	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1254	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 11:55	1
PCB-1260	ND		0.50	0.25	ug/L		05/20/14 06:57	05/21/14 11:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	49		19 - 126	05/20/14 06:57	05/21/14 11:55	1

TestAmerica Buffalo

# QC Sample Results

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-182967/1-A  
Matrix: Water  
Analysis Batch: 183232

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 182967

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	92		23 - 127	05/20/14 06:57	05/21/14 11:55	1

Lab Sample ID: LCS 480-182967/2-A  
Matrix: Water  
Analysis Batch: 183232

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 182967

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	4.00	3.78		ug/L		94	51 - 137
PCB-1260	4.00	3.87		ug/L		97	45 - 139

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	44		19 - 126
Tetrachloro-m-xylene	95		23 - 127

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-182339/1-A  
Matrix: Water  
Analysis Batch: 182802

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 182339

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.010	0.0030	mg/L		05/16/14 07:55	05/16/14 21:23	1

Lab Sample ID: LCS 480-182339/2-A  
Matrix: Water  
Analysis Batch: 182802

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 182339

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Lead	0.200	0.200		mg/L		100	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-182779/1-A  
Matrix: Water  
Analysis Batch: 182903

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 182779

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.00012	mg/L		05/19/14 09:30	05/19/14 12:51	1

Lab Sample ID: LCS 480-182779/2-A  
Matrix: Water  
Analysis Batch: 182903

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 182779

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Mercury	0.00667	0.00713		mg/L		107	80 - 120

TestAmerica Buffalo

# QC Association Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## GC/MS VOA

### Analysis Batch: 182774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-1	MW-6	Total/NA	Water	8260C	
480-59900-2	MW-7	Total/NA	Water	8260C	
480-59900-3	MW-1	Total/NA	Water	8260C	
480-59900-4	MW-9	Total/NA	Water	8260C	
480-59900-5	MW-5	Total/NA	Water	8260C	
480-59900-6	MW-10	Total/NA	Water	8260C	
480-59900-7	MW-4	Total/NA	Water	8260C	
480-59900-8	MW-2	Total/NA	Water	8260C	
480-59900-9	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-182774/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-182774/7	Method Blank	Total/NA	Water	8260C	

## GC Semi VOA

### Prep Batch: 182967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-1	MW-6	Total/NA	Water	3510C	
480-59900-2	MW-7	Total/NA	Water	3510C	
480-59900-3	MW-1	Total/NA	Water	3510C	
480-59900-4	MW-9	Total/NA	Water	3510C	
480-59900-5	MW-5	Total/NA	Water	3510C	
480-59900-6	MW-10	Total/NA	Water	3510C	
480-59900-7	MW-4	Total/NA	Water	3510C	
480-59900-8	MW-2	Total/NA	Water	3510C	
LCS 480-182967/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-182967/1-A	Method Blank	Total/NA	Water	3510C	

### Analysis Batch: 183232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-1	MW-6	Total/NA	Water	8082A	182967
480-59900-2	MW-7	Total/NA	Water	8082A	182967
480-59900-3	MW-1	Total/NA	Water	8082A	182967
480-59900-4	MW-9	Total/NA	Water	8082A	182967
480-59900-5	MW-5	Total/NA	Water	8082A	182967
480-59900-6	MW-10	Total/NA	Water	8082A	182967
480-59900-7	MW-4	Total/NA	Water	8082A	182967
LCS 480-182967/2-A	Lab Control Sample	Total/NA	Water	8082A	182967
MB 480-182967/1-A	Method Blank	Total/NA	Water	8082A	182967

### Analysis Batch: 184055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-8	MW-2	Total/NA	Water	8082A	182967

## Metals

### Prep Batch: 182339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-4	MW-9	Total/NA	Water	3005A	
LCS 480-182339/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-182339/1-A	Method Blank	Total/NA	Water	3005A	

TestAmerica Buffalo

# QC Association Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Metals (Continued)

### Prep Batch: 182779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-4	MW-9	Total/NA	Water	7470A	
LCS 480-182779/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-182779/1-A	Method Blank	Total/NA	Water	7470A	

### Analysis Batch: 182802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-4	MW-9	Total/NA	Water	6010C	182339
LCS 480-182339/2-A	Lab Control Sample	Total/NA	Water	6010C	182339
MB 480-182339/1-A	Method Blank	Total/NA	Water	6010C	182339

### Analysis Batch: 182903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-59900-4	MW-9	Total/NA	Water	7470A	182779
LCS 480-182779/2-A	Lab Control Sample	Total/NA	Water	7470A	182779
MB 480-182779/1-A	Method Blank	Total/NA	Water	7470A	182779



# Lab Chronicle

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Client Sample ID: MW-6

Date Collected: 05/13/14 10:00

Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 15:12	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 12:27	DGB	TAL BUF

## Client Sample ID: MW-7

Date Collected: 05/13/14 11:15

Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 15:36	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 12:43	DGB	TAL BUF

## Client Sample ID: MW-1

Date Collected: 05/13/14 13:00

Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 16:00	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 12:59	DGB	TAL BUF

## Client Sample ID: MW-9

Date Collected: 05/13/14 14:35

Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 16:24	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 13:15	DGB	TAL BUF
Total/NA	Prep	3005A			182339	05/16/14 07:55	EHD	TAL BUF
Total/NA	Analysis	6010C		1	182802	05/16/14 22:35	LMH	TAL BUF
Total/NA	Prep	7470A			182779	05/19/14 09:30	SS1	TAL BUF
Total/NA	Analysis	7470A		1	182903	05/19/14 13:18	SS1	TAL BUF

## Client Sample ID: MW-5

Date Collected: 05/13/14 16:05

Date Received: 05/15/14 02:30

Lab Sample ID: 480-59900-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 16:47	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF

TestAmerica Buffalo



# Lab Chronicle

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

**Client Sample ID: MW-5**

Date Collected: 05/13/14 16:05  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-5**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8082A		1	183232	05/21/14 13:31	DGB	TAL BUF

**Client Sample ID: MW-10**

Date Collected: 05/13/14 17:30  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-6**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 17:11	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 13:46	DGB	TAL BUF

**Client Sample ID: MW-4**

Date Collected: 05/14/14 09:55  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-7**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 17:35	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	183232	05/21/14 14:03	DGB	TAL BUF

**Client Sample ID: MW-2**

Date Collected: 05/14/14 11:10  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-8**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	182774	05/19/14 17:58	TRB	TAL BUF
Total/NA	Prep	3510C			182967	05/20/14 06:57	MCZ	TAL BUF
Total/NA	Analysis	8082A		1	184055	05/27/14 15:24	JMM	TAL BUF

**Client Sample ID: TRIP BLANK**

Date Collected: 05/14/14 00:00  
Date Received: 05/15/14 02:30

**Lab Sample ID: 480-59900-9**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	182774	05/19/14 18:22	TRB	TAL BUF

**Laboratory References:**

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



# Certification Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

## Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15



# Method Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF

**Protocol References:**

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



# Sample Summary

Client: CHA Inc  
Project/Site: Vatrano Road

TestAmerica Job ID: 480-59900-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-59900-1	MW-6	Water	05/13/14 10:00	05/15/14 02:30
480-59900-2	MW-7	Water	05/13/14 11:15	05/15/14 02:30
480-59900-3	MW-1	Water	05/13/14 13:00	05/15/14 02:30
480-59900-4	MW-9	Water	05/13/14 14:35	05/15/14 02:30
480-59900-5	MW-5	Water	05/13/14 16:05	05/15/14 02:30
480-59900-6	MW-10	Water	05/13/14 17:30	05/15/14 02:30
480-59900-7	MW-4	Water	05/14/14 09:55	05/15/14 02:30
480-59900-8	MW-2	Water	05/14/14 11:10	05/15/14 02:30
480-59900-9	TRIP BLANK	Water	05/14/14 00:00	05/15/14 02:30



Chain of Custody Record

Client Information  
 Client Contact: Ms. Sarah Benson  
 Company: CHA Inc  
 Address: 111 Winner Circle PO BOX 5269  
 City: Albany  
 State, Zip: NY, 12205-0269  
 Phone: 518-453-8749 (Tel)  
 Email: sbenson@chacompanies.com  
 Project Name: Vatrano Road  
 Site:



480-59900 Chain of Custody

Sample ID: Will Piece  
 Phone: 518-453-8736  
 COC No: 480-49467-13183.1  
 Page: Page 1 of 1  
 Job #:

Due Date Requested:  
 TAT Requested (days): STANDARD  
 PO #: 21273.2001.44000  
 WO #:  
 Project #: 48005793  
 SSON#:

Field Filtered Sample (Yes or No)  
 8082A - TCL PCBs - OLM04.2  
 826C - (MD) TCL list OLM04.2  
 6010C, 7470A  
 Total Number of Containers: 5

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)
MW-6	5-13-14	1000	G	Water
MW-7		1115		Water
MW-1		1300		Water
MW-9		1435		Water
MW-5		1600		Water
MW-10		1730		Water
MW-4	5-14-14	955		Water
MW-2		1110		Water
TRIP BLANK				Water

Special Instructions/Note:

5-14-14

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)  
 Empty Kit Relinquished by:  
 Relinquished by: [Signature]  
 Date/Time: 5/14/14 12:00hrs  
 Company: CHA  
 Relinquished by: [Signature]  
 Date/Time: 5-14-14 1800  
 Company:  
 Relinquished by:  
 Date/Time:  
 Company:  
 Custody Seal No.:  
 Δ Yes Δ No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements:  
 Method of Shipment:  
 Date/Time: 5-14-14 1200  
 Company: TA  
 Date/Time: 5-15-14 0230  
 Company: TA  
 Date/Time:  
 Company:  
 Cooler Temperature(s) °C and Other Remarks: 2-20 #1



## Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-59900-1

Login Number: 59900

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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	CHA
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	

