

## SCS ENGINEERS

June 21, 2018  
File No. 25211232.50

Mr. Bernie Knesting, Secretary  
Water's Edge Owners' Association, Inc.  
4001 Monona Drive, No. 2  
Monona, WI 53716

Subject: Groundwater Monitoring Results for Water's Edge Property (Property)  
3939 and 4001 Monona Drive, Monona, Wisconsin  
WDNR BRRTS No. 02-13-368525

Dear Mr. Knesting:

On behalf of Ralph Stinson, SCS Engineers (SCS) is providing recent groundwater monitoring results for site monitoring wells, including four monitoring wells located on the above-noted Property (MW4, MW4P, MW5, and MW6). Monitoring well locations are shown on **Figure 1**.

The sampling results indicate that volatile organic compounds (VOCs) are present in groundwater in excess of regulatory standards; however, there are no water supply wells on or near the Property, so VOCs do not appear to present a drinking water health risk. It is anticipated that natural processes will continue to decrease groundwater VOC concentrations over time.

### BACKGROUND

Monitoring wells MW4, MW4P, MW5, and MW6 were installed on the Property to evaluate groundwater quality related to an historic release of tetrachloroethylene (PCE) solvent, which occurred at a dry cleaning facility, formerly operated at 3918 Monona Drive. The facility quit operating many years ago and the former operator, Mr. Stinson, is working with the Wisconsin Department of Natural Resources (WDNR) to address remaining impacts.

Water levels were measured and groundwater samples were collected from each well in May 2018 in order to assess current conditions. The samples were submitted to a state-certified laboratory for analysis of VOCs.

### FINDINGS

The depth to groundwater in May 2018 was approximately 18 feet below ground surface and the approximate groundwater flow direction was southwest as shown on **Figure 1**. The May 2018 groundwater depth and flow observations are consistent with historic observations.

The groundwater sample laboratory report is included in **Attachment A**. The May 2018 results, historic results, and applicable regulatory standards are summarized in **Table 1**.



The sample results show that PCE is present in groundwater on the Property at monitoring wells MW4, MW5, and MW6 at concentrations in excess of the WDNR's enforcement standard for drinking water. Historic results indicate that the VOC concentrations in groundwater at the Property have continued to decrease with time.

The findings do not appear to present a drinking water health risk since there are no potable wells on or near the property. It is anticipated that natural processes will continue to reduce the VOC concentrations over time.

## CONTACT INFORMATION

If you have any questions concerning the sampling results feel free to contact SCS or the WDNR. Contact information is provided below:

Robert Langdon, SCS Engineers  
2830 Dairy Drive  
Madison, WI 53718  
(608) 216-7329

Mike Schmoller, Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, WI 53711  
(608) 275-3303

Sincerely,



Robert Langdon  
Senior Project Manager  
**SCS ENGINEERS**



Mark R. Huber, PE  
Project Director  
**SCS ENGINEERS**

REL/jsn\_lmh/MRH

cc: Mike Schmoller, WDNR  
Ralph Stinson

Attachments: Table 1 – Groundwater Analytical Results Summary  
Figure 1 – Water Table Map, May 30, 2018  
Attachment A – Laboratory Report

**TABLE 1**

Groundwater Analytical Results Summary

**Table 1. Groundwater Analytical Results Summary**  
**3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51**  
 (Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	PCE	TCE	cis-1,2-DCE	Other VOCs
MW1	8/18/2004	(3)	<2.50	<25.0	<25.0	<25.0	<50.0	<1.45	<u>260</u>	<2.50	<25.0	ND
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>678</u>	<u>2.77</u>	<5.0	ND
	6/26/2007	--	<0.82	<1.1	<1.3	<5.3	<3.6	<1.2	<u>190</u>	<u>1.1</u> <sup>Q</sup>	<1.7	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	<u>320</u>	<u>21.7</u>	3.53 <sup>J</sup>	Chloroform <u>19.3</u>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
MW1P	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<0.50	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<0.45	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<0.87	<1.70	<u>1.06</u>	<1.30	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>9.9</u>	<0.16	<0.41	ND
MW2	8/18/2004	(3)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>60.5</u>	<0.50	<5.0	ND
	4/19/2005	(6)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>19.4</u>	<u>0.710</u>	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<u>16</u>	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<u>54.8</u>	<1.30	<1.00	Chloroform <u>3.13</u>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>1.3</u>	<0.16	<0.41	ND
MW3	8/18/2004	(3)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>39.4</u>	<0.50	<5.0	ND
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>9.04</u>	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<u>51</u>	<0.48	<0.83	Chloroform <u>2.4</u>
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<u>52.5</u>	0.44 <sup>J</sup>	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>1.7</u>	<0.16	<0.41	ND

**Table 1. Groundwater Analytical Results Summary**  
**3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51**  
 (Results are in µg/L)

Sample	Date	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	TMBs	MTBE	PCE	TCE	cis-1,2-DCE	Other VOCs
MW4	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>2,280</u>	<u>5.03</u>	<5.0	ND
	6/26/2007	--	<4.1	<5.4	<6.7	<26.3	<18.0	<6.1	<u>1,500</u>	<4.8	<8.3	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	<u>342</u>	<13.0	<10.0	Chloroform <u>43.6</u>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>47</u>	<0.16	<0.41	ND
MW4P	6/26/2007	(7)	<4.1	<5.4	<6.7	<26.3	<18.0	<6.1	<u>1,200</u> <sup>N</sup>	<u>81</u>	<8.3	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	<u>286</u>	<u>68.7</u>	6.23 <sup>J</sup>	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<u>1.1</u>	<0.41	ND
MW5	6/26/2007	--	<1.0	<1.4	<1.7	<6.6	<4.5	<1.5	<u>170</u>	<1.2	<2.1	ND
	12/2/2008	--	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<u>56</u>	<1.30	<1.00	Isopropylbenzene 0.12 <sup>J</sup> Trichlorofluoromethane 0.28 <sup>CSH,J</sup>
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>17</u>	<0.16	<0.41	ND
MW6	6/26/2007	(8)	<10	<14	<17	<66	<45	<15	<u>2,300</u>	<12	<21	ND
	12/2/2008	--	<6.70	<6.70	<13.0	<19.70	<13.40	<17.0	<u>1,620</u> <sup>CAL</sup>	<13.0	<10.0	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<u>85</u>	<0.16	<0.41	ND
Trip Blank	9/17/2002	(1)	<0.31	<0.5	0.532 <sup>J</sup>	<0.92	<0.71	<0.3	<0.32	<0.36	<0.23	ND
	4/7/2004	--	<0.31	<0.5	<0.3	<0.92	<0.71	<0.3	<0.45	<0.5	<0.4	ND
	8/18/2004	(5)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<u>2.29</u>	<0.50	<5.0	Bromodichloromethane <u>0.50</u>
	4/19/2005	(4)	<0.50	<5.0	<5.0	<5.0	<10.0	<0.290	<0.50	<0.50	<5.0	ND
	6/26/2007	--	<0.41	<0.54	<0.67	<2.63	<1.8	<0.61	<0.45	<0.48	<0.83	ND
	12/2/2008	(9)	<0.67	<0.67	<1.30	<1.97	<1.34	<1.70	<1.00	<1.30	<1.00	ND
	5/30/2018	--	<0.15	<0.18	<0.15	<0.22	<0.61	<0.39	<0.37	<0.16	<0.41	ND
NR 140 Enforcement Standards (ES)			5	700	800	2,000	480	60	5	5	70	Bromodichloromethane 0.6 Chloroform 6
NR 140 Preventive Action Limits (PAL)			0.5	140	160	400	96	12	0.5	0.5	7	Bromodichloromethane 0.06 Chloroform 0.6

Abbreviations:

µg/L = micrograms per liter or parts per billion (ppb)  
 PCE = Tetrachloroethene  
 VOCs = Volatile Organic Compounds

cis-1,2-DCE = cis-1,2-Dichloroethene  
 TCE = Trichloroethene  
 ND = Not Detected

MTBE = Methyl-tert-butyl ether  
 TMBs = 1,2,4- and 1,3,5-trimethylbenzenes

**Table 1. Groundwater Analytical Results Summary**  
**3918 Monona Drive, Madison, WI / SCS Engineers Project #25211232.51**

Notes:

All samples analyzed for full VOC list.

**Bold+underlined** values meet or exceed NR 140 enforcement standards.

*Italic+underlined* values meet or exceed NR 140 preventive action limits.

NR 140 ES - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards

NR 140 PAL - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards

Laboratory Notes:

CAL = Estimated concentration above the calibration range, but within the range of the detector.

CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

J = Estimated concentration below laboratory quantitation level.

N = Spiked sample recovery not within control limits.

Q = The analyte has been detected between the limit of detection (LOD) and the limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.

- (1) Chloromethane, dichlorodifluoromethane, and naphthalene analyses - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.  
2,2-Dichloropropane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (2) Chloromethane analysis - Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
- (3) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.  
Vinyl chloride analysis - The recovery of this analyte in the check standard is above the method specified acceptance criteria.  
Surrogate: Toluene-d8 analysis - This quality control measurement is above the laboratory established limit.  
Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.
- (4) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
- (5) VOCs analysis - Blank was analyzed twice to confirm contamination. The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria. 1,1-Dichloroethene analysis - The recovery of this analyte in the check standard is above the method specified acceptance criteria.  
Surrogate: Dibromofluoromethane and Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.  
Surrogate: Toluene-d8 analysis - This quality control measurement is above the laboratory established limit.
- (6) VOCs analysis - The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.  
Surrogate: 4-Bromofluorobenzene analysis - This quality control measurement is below the laboratory established limit.
- (7) Styrene analysis - Spiked sample recovery not within control limits.
- (8) VOCs analysis - Sample pH was greater than 2.
- (9) Trichlorofluoromethane - Check standard for this analyte exhibited a high bias. Sample results may also be biased high.

Created by: LMH Date: 5/10/2004

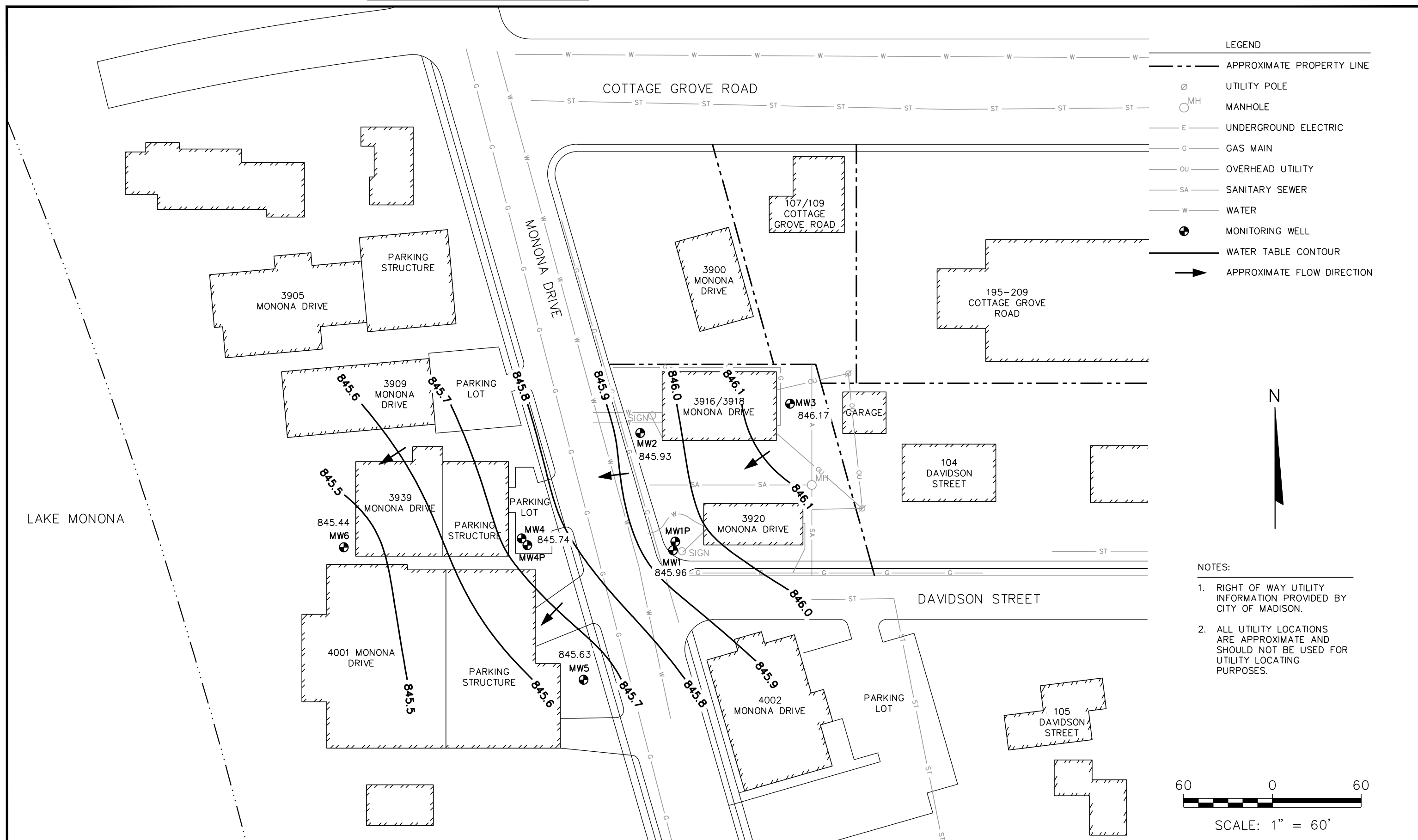
Updated by: LMH Date: 6/7/2018

Checked by: JSN Date: 6/8/2018

I:\2325\Tables-General\[Groundwater\_VOCs.xls]Notes

**FIGURE 1**

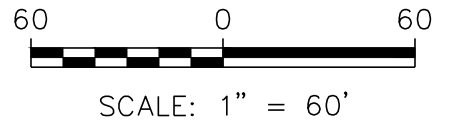
Water Table Map, May 30, 2018



- LEGEND**
- APPROXIMATE PROPERTY LINE
  - ∅ UTILITY POLE
  - MH MANHOLE
  - E — UNDERGROUND ELECTRIC
  - G — GAS MAIN
  - OU — OVERHEAD UTILITY
  - SA — SANITARY SEWER
  - W — WATER
  - ⊕ MONITORING WELL
  - WATER TABLE CONTOUR
  - ➔ APPROXIMATE FLOW DIRECTION



- NOTES:**
1. RIGHT OF WAY UTILITY INFORMATION PROVIDED BY CITY OF MADISON.
  2. ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR UTILITY LOCATING PURPOSES.



PROJECT NO. 25211232.50	DRAWN BY: KP/BJM		CLIENT RALPH STINSON 4218 GREEN AVENUE MADISON, WI 53704	SITE 3918 MONONA DRIVE MADISON, WISCONSIN	WATER TABLE MAP MAY 30, 2018	FIGURE
DRAWN: 01/06/04	CHECKED BY: REL					1
REVISED: 06/14/18	APPROVED BY: REL, 06/14/18					



## **ATTACHMENT A**

Laboratory Report

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

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

TestAmerica Job ID: 500-146190-1  
Client Project/Site: Classic Cleaners Monona - 25211232.51

For:  
SCS Engineers  
2830 Dairy Dr  
Madison, Wisconsin 53718

Attn: Mr. Robert Langdon



Authorized for release by:  
6/6/2018 12:07:41 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandie.fredrick@testamericainc.com](mailto:sandie.fredrick@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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

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

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

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# Case Narrative

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

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**Job ID: 500-146190-1**

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**Laboratory: TestAmerica Chicago**

## Narrative

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**Job Narrative  
500-146190-1**

## Comments

No additional comments.

## Receipt

The samples were received on 5/31/2018 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.0° C.

## GC/MS VOA

Method(s) 8260B: The method blank for preparation batch 435340 contained Methylene Chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-analysis of samples were not performed.

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



# Detection Summary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

## Client Sample ID: MW-6

## Lab Sample ID: 500-146190-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	85		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-4

## Lab Sample ID: 500-146190-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	47		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-4P

## Lab Sample ID: 500-146190-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		0.50	0.16	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-5

## Lab Sample ID: 500-146190-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	17		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-1

## Lab Sample ID: 500-146190-5

No Detections.

## Client Sample ID: MW-1P

## Lab Sample ID: 500-146190-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9.9		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-2

## Lab Sample ID: 500-146190-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: MW-3

## Lab Sample ID: 500-146190-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.7		1.0	0.37	ug/L	1		8260B	Total/NA

## Client Sample ID: Trip Blank

## Lab Sample ID: 500-146190-9

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Method Summary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

**Protocol References:**

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

**Laboratory References:**

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



# Sample Summary

Client: SCS Engineers

TestAmerica Job ID: 500-146190-1

Project/Site: Classic Cleaners Monona - 25211232.51

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-146190-1	MW-6	Water	05/30/18 09:30	05/31/18 09:50
500-146190-2	MW-4	Water	05/30/18 10:15	05/31/18 09:50
500-146190-3	MW-4P	Water	05/30/18 10:30	05/31/18 09:50
500-146190-4	MW-5	Water	05/30/18 10:45	05/31/18 09:50
500-146190-5	MW-1	Water	05/30/18 11:30	05/31/18 09:50
500-146190-6	MW-1P	Water	05/30/18 11:40	05/31/18 09:50
500-146190-7	MW-2	Water	05/30/18 13:40	05/31/18 09:50
500-146190-8	MW-3	Water	05/30/18 14:00	05/31/18 09:50
500-146190-9	Trip Blank	Water	05/30/18 00:00	05/31/18 09:50



# Client Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-6**  
**Date Collected: 05/30/18 09:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-1**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 15:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 15:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 15:24	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 15:24	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 15:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 15:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 15:24	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 15:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 15:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 15:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 15:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 15:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 15:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 15:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 15:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 15:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 15:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 15:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 15:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 15:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 15:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 15:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 15:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 15:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 15:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 15:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 15:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 15:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:24	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 15:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 15:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 15:24	1
<b>Tetrachloroethene</b>	<b>85</b>		1.0	0.37	ug/L			06/05/18 15:24	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 15:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 15:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1

TestAmerica Chicago



# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-6**  
**Date Collected: 05/30/18 09:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-1**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 15:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 15:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 15:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 15:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 15:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 15:24	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 15:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 15:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 15:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124					06/05/18 15:24	1
Dibromofluoromethane	92		75 - 120					06/05/18 15:24	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126					06/05/18 15:24	1
Toluene-d8 (Surr)	92		75 - 120					06/05/18 15:24	1

**Client Sample ID: MW-4**  
**Date Collected: 05/30/18 10:15**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 15:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 15:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 15:51	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 15:51	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 15:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 15:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 15:51	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 15:51	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 15:51	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 15:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 15:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 15:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 15:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 15:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 15:51	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 15:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 15:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 15:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 15:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-4**  
**Date Collected: 05/30/18 10:15**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 15:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 15:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 15:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 15:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 15:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 15:51	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 15:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 15:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 15:51	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:51	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 15:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 15:51	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 15:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 15:51	1
<b>Tetrachloroethene</b>	<b>47</b>		1.0	0.37	ug/L			06/05/18 15:51	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 15:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 15:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 15:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 15:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 15:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 15:51	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 15:51	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 15:51	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 15:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 15:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 15:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 15:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		72 - 124		06/05/18 15:51	1
Dibromofluoromethane	91		75 - 120		06/05/18 15:51	1
1,2-Dichloroethane-d4 (Surr)	94		75 - 126		06/05/18 15:51	1
Toluene-d8 (Surr)	90		75 - 120		06/05/18 15:51	1

**Client Sample ID: MW-4P**  
**Date Collected: 05/30/18 10:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-3**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 16:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 16:18	1

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# Client Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-4P**

**Lab Sample ID: 500-146190-3**

**Date Collected: 05/30/18 10:30**

**Matrix: Water**

**Date Received: 05/31/18 09:50**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 16:18	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 16:18	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 16:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 16:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 16:18	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 16:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 16:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 16:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 16:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 16:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 16:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 16:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 16:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 16:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 16:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 16:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 16:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 16:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 16:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 16:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 16:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 16:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 16:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 16:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 16:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 16:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:18	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 16:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 16:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 16:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/05/18 16:18	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 16:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 16:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 16:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 16:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 16:18	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-4P**

**Date Collected: 05/30/18 10:30**

**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-3**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 16:18	1
<b>Trichloroethene</b>	<b>1.1</b>		0.50	0.16	ug/L			06/05/18 16:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 16:18	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 16:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 16:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 16:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 16:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124					06/05/18 16:18	1
Dibromofluoromethane	93		75 - 120					06/05/18 16:18	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126					06/05/18 16:18	1
Toluene-d8 (Surr)	92		75 - 120					06/05/18 16:18	1

**Client Sample ID: MW-5**

**Date Collected: 05/30/18 10:45**

**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-4**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 16:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 16:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 16:45	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 16:45	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 16:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 16:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 16:45	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 16:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 16:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 16:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 16:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 16:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 16:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 16:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 16:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 16:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 16:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 16:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 16:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 16:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 16:45	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-5**  
**Date Collected: 05/30/18 10:45**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-4**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 16:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 16:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 16:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 16:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 16:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 16:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 16:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:45	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 16:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 16:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 16:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 16:45	1
<b>Tetrachloroethene</b>	<b>17</b>		1.0	0.37	ug/L			06/05/18 16:45	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 16:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 16:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 16:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 16:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 16:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 16:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 16:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 16:45	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 16:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 16:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 16:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 16:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		72 - 124		06/05/18 16:45	1
Dibromofluoromethane	96		75 - 120		06/05/18 16:45	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		06/05/18 16:45	1
Toluene-d8 (Surr)	90		75 - 120		06/05/18 16:45	1

**Client Sample ID: MW-1**  
**Date Collected: 05/30/18 11:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-5**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 17:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 17:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 17:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 17:12	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 17:12	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-1**

**Lab Sample ID: 500-146190-5**

**Date Collected: 05/30/18 11:30**

**Matrix: Water**

**Date Received: 05/31/18 09:50**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 17:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 17:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 17:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 17:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 17:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 17:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 17:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 17:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 17:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 17:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 17:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 17:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 17:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 17:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 17:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 17:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 17:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 17:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 17:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 17:12	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 17:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 17:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 17:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 17:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 17:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 17:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/05/18 17:12	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 17:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 17:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 17:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 17:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 17:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 17:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 17:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 17:12	1

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# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-1**

**Lab Sample ID: 500-146190-5**

**Date Collected: 05/30/18 11:30**

**Matrix: Water**

**Date Received: 05/31/18 09:50**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 17:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 17:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 17:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124		06/05/18 17:12	1
Dibromofluoromethane	96		75 - 120		06/05/18 17:12	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		06/05/18 17:12	1
Toluene-d8 (Surr)	89		75 - 120		06/05/18 17:12	1

**Client Sample ID: MW-1P**

**Lab Sample ID: 500-146190-6**

**Date Collected: 05/30/18 11:40**

**Matrix: Water**

**Date Received: 05/31/18 09:50**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 17:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 17:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 17:39	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 17:39	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 17:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 17:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 17:39	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 17:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 17:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 17:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 17:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 17:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 17:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 17:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 17:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 17:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 17:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 17:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 17:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 17:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 17:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 17:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 17:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 17:39	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-1P**

**Date Collected: 05/30/18 11:40**

**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-6**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 17:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 17:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 17:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 17:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:39	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 17:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 17:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 17:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 17:39	1
<b>Tetrachloroethene</b>	<b>9.9</b>		1.0	0.37	ug/L			06/05/18 17:39	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 17:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 17:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 17:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 17:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 17:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 17:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 17:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 17:39	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 17:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 17:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 17:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 17:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		72 - 124		06/05/18 17:39	1
Dibromofluoromethane	95		75 - 120		06/05/18 17:39	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		06/05/18 17:39	1
Toluene-d8 (Surr)	89		75 - 120		06/05/18 17:39	1

**Client Sample ID: MW-2**

**Date Collected: 05/30/18 13:40**

**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-7**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 18:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 18:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 18:06	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 18:06	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 18:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 18:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 18:06	1

TestAmerica Chicago



# Client Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-2**  
**Date Collected: 05/30/18 13:40**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-7**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 18:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 18:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 18:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 18:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 18:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 18:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 18:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 18:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 18:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 18:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 18:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 18:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 18:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 18:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 18:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 18:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 18:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 18:06	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 18:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 18:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 18:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:06	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 18:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 18:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 18:06	1
<b>Tetrachloroethene</b>	<b>1.3</b>		1.0	0.37	ug/L			06/05/18 18:06	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 18:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 18:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 18:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 18:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 18:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 18:06	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 18:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 18:06	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 18:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 18:06	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-2**  
**Date Collected: 05/30/18 13:40**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-7**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 18:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		72 - 124					06/05/18 18:06	1
Dibromofluoromethane	95		75 - 120					06/05/18 18:06	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126					06/05/18 18:06	1
Toluene-d8 (Surr)	88		75 - 120					06/05/18 18:06	1

**Client Sample ID: MW-3**  
**Date Collected: 05/30/18 14:00**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-8**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 18:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 18:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 18:33	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 18:33	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 18:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 18:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 18:33	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 18:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 18:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 18:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 18:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 18:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 18:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 18:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 18:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 18:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 18:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 18:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 18:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 18:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 18:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 18:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 18:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 18:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 18:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 18:33	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-3**  
**Date Collected: 05/30/18 14:00**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-8**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 18:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 18:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:33	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 18:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 18:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 18:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 18:33	1
<b>Tetrachloroethene</b>	<b>1.7</b>		1.0	0.37	ug/L			06/05/18 18:33	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 18:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 18:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 18:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 18:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 18:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 18:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 18:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 18:33	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 18:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 18:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 18:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 18:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124		06/05/18 18:33	1
Dibromofluoromethane	94		75 - 120		06/05/18 18:33	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		06/05/18 18:33	1
Toluene-d8 (Surr)	90		75 - 120		06/05/18 18:33	1

**Client Sample ID: Trip Blank**  
**Date Collected: 05/30/18 00:00**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-9**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 19:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 19:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 19:00	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 19:00	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 19:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 19:00	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 19:00	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 19:00	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 19:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 19:00	1

TestAmerica Chicago

# Client Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 500-146190-9**

**Date Collected: 05/30/18 00:00**

**Matrix: Water**

**Date Received: 05/31/18 09:50**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 19:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 19:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 19:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 19:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 19:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 19:00	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 19:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 19:00	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 19:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 19:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 19:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 19:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 19:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 19:00	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 19:00	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 19:00	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/05/18 19:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 19:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 19:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 19:00	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 19:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 19:00	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 19:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 19:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/05/18 19:00	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 19:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 19:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 19:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 19:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 19:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 19:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 19:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 19:00	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 19:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 19:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 19:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 19:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 19:00	1

# Client Sample Results

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: Trip Blank**

**Date Collected: 05/30/18 00:00**

**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-9**

**Matrix: Water**

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	85		72 - 124		06/05/18 19:00	1
Dibromofluoromethane	99		75 - 120		06/05/18 19:00	1
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		06/05/18 19:00	1
Toluene-d8 (Surr)	88		75 - 120		06/05/18 19:00	1

# Definitions/Glossary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

# QC Association Summary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

## GC/MS VOA

### Analysis Batch: 435340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-146190-1	MW-6	Total/NA	Water	8260B	
500-146190-2	MW-4	Total/NA	Water	8260B	
500-146190-3	MW-4P	Total/NA	Water	8260B	
500-146190-4	MW-5	Total/NA	Water	8260B	
500-146190-5	MW-1	Total/NA	Water	8260B	
500-146190-6	MW-1P	Total/NA	Water	8260B	
500-146190-7	MW-2	Total/NA	Water	8260B	
500-146190-8	MW-3	Total/NA	Water	8260B	
500-146190-9	Trip Blank	Total/NA	Water	8260B	
MB 500-435340/7	Method Blank	Total/NA	Water	8260B	
LCS 500-435340/29	Lab Control Sample	Total/NA	Water	8260B	

# Surrogate Summary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-146190-1	MW-6	84	92	92	92
500-146190-2	MW-4	83	91	94	90
500-146190-3	MW-4P	84	93	95	92
500-146190-4	MW-5	83	96	96	90
500-146190-5	MW-1	84	96	99	89
500-146190-6	MW-1P	86	95	98	89
500-146190-7	MW-2	85	95	100	88
500-146190-8	MW-3	84	94	98	90
500-146190-9	Trip Blank	85	99	104	88
LCS 500-435340/29	Lab Control Sample	82	89	89	93
MB 500-435340/7	Method Blank	84	100	102	86

### Surrogate Legend

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



# QC Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

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

**Lab Sample ID: MB 500-435340/7**

**Matrix: Water**

**Analysis Batch: 435340**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/05/18 14:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/05/18 14:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/05/18 14:02	1
Bromoform	<0.48		1.0	0.48	ug/L			06/05/18 14:02	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/05/18 14:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/05/18 14:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/05/18 14:02	1
Chloroform	<0.37		2.0	0.37	ug/L			06/05/18 14:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/05/18 14:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/05/18 14:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/05/18 14:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/05/18 14:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/05/18 14:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/05/18 14:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/05/18 14:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/05/18 14:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/05/18 14:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/05/18 14:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/05/18 14:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/05/18 14:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/05/18 14:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/05/18 14:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/05/18 14:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/05/18 14:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/05/18 14:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/05/18 14:02	1
Methylene Chloride	9.64		5.0	1.6	ug/L			06/05/18 14:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/05/18 14:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/05/18 14:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 14:02	1
Styrene	<0.39		1.0	0.39	ug/L			06/05/18 14:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/05/18 14:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/05/18 14:02	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/05/18 14:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/05/18 14:02	1
Toluene	<0.15		0.50	0.15	ug/L			06/05/18 14:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/05/18 14:02	1

TestAmerica Chicago

# QC Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

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

**Lab Sample ID: MB 500-435340/7**  
**Matrix: Water**  
**Analysis Batch: 435340**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/05/18 14:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/05/18 14:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/05/18 14:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/05/18 14:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/05/18 14:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/05/18 14:02	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/05/18 14:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/05/18 14:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/05/18 14:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/05/18 14:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/05/18 14:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		72 - 124		06/05/18 14:02	1
Dibromofluoromethane	100		75 - 120		06/05/18 14:02	1
1,2-Dichloroethane-d4 (Surr)	102		75 - 126		06/05/18 14:02	1
Toluene-d8 (Surr)	86		75 - 120		06/05/18 14:02	1

**Lab Sample ID: LCS 500-435340/29**  
**Matrix: Water**  
**Analysis Batch: 435340**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	43.1		ug/L		86	70 - 120
Bromobenzene	50.0	42.6		ug/L		85	70 - 122
Bromochloromethane	50.0	43.3		ug/L		87	65 - 122
Bromodichloromethane	50.0	44.7		ug/L		89	69 - 120
Bromoform	50.0	49.9		ug/L		100	56 - 132
Bromomethane	50.0	55.5		ug/L		111	40 - 130
Carbon tetrachloride	50.0	54.1		ug/L		108	65 - 122
Chlorobenzene	50.0	42.1		ug/L		84	70 - 120
Chloroethane	50.0	54.8		ug/L		110	45 - 127
Chloroform	50.0	44.8		ug/L		90	70 - 120
Chloromethane	50.0	42.0		ug/L		84	54 - 147
2-Chlorotoluene	50.0	43.0		ug/L		86	70 - 125
4-Chlorotoluene	50.0	43.8		ug/L		88	68 - 124
cis-1,2-Dichloroethene	50.0	44.3		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	39.5		ug/L		79	64 - 127
Dibromochloromethane	50.0	47.0		ug/L		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	40.6		ug/L		81	56 - 123
1,2-Dibromoethane	50.0	41.5		ug/L		83	70 - 125
Dibromomethane	50.0	41.8		ug/L		84	70 - 120
1,2-Dichlorobenzene	50.0	42.6		ug/L		85	70 - 125
1,3-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 125
1,4-Dichlorobenzene	50.0	43.3		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	72.5		ug/L		145	40 - 150
1,1-Dichloroethane	50.0	43.6		ug/L		87	70 - 125

TestAmerica Chicago

# QC Sample Results

Client: SCS Engineers  
 Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

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

**Lab Sample ID: LCS 500-435340/29**

**Matrix: Water**

**Analysis Batch: 435340**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	42.9		ug/L		86	68 - 127
1,1-Dichloroethene	50.0	53.9		ug/L		108	67 - 122
1,2-Dichloropropane	50.0	37.8		ug/L		76	67 - 130
1,3-Dichloropropane	50.0	39.0		ug/L		78	62 - 136
2,2-Dichloropropane	50.0	40.4		ug/L		81	58 - 129
1,1-Dichloropropene	50.0	47.2		ug/L		94	70 - 121
Ethylbenzene	50.0	46.2		ug/L		92	70 - 120
Hexachlorobutadiene	50.0	45.5		ug/L		91	51 - 150
Isopropylbenzene	50.0	44.3		ug/L		89	70 - 126
Methylene Chloride	50.0	43.9		ug/L		88	69 - 125
Methyl tert-butyl ether	50.0	40.9		ug/L		82	70 - 120
Naphthalene	50.0	37.9		ug/L		76	59 - 130
n-Butylbenzene	50.0	47.3		ug/L		95	68 - 125
N-Propylbenzene	50.0	45.6		ug/L		91	69 - 127
p-Isopropyltoluene	50.0	45.9		ug/L		92	70 - 125
sec-Butylbenzene	50.0	46.0		ug/L		92	70 - 123
Styrene	50.0	43.8		ug/L		88	70 - 120
tert-Butylbenzene	50.0	43.9		ug/L		88	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,1,2,2-Tetrachloroethane	50.0	39.5		ug/L		79	67 - 127
Tetrachloroethene	50.0	50.7		ug/L		101	70 - 128
Toluene	50.0	44.9		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	37.8		ug/L		76	62 - 128
1,2,3-Trichlorobenzene	50.0	40.6		ug/L		81	55 - 140
1,2,4-Trichlorobenzene	50.0	42.4		ug/L		85	66 - 127
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	70 - 125
1,1,2-Trichloroethane	50.0	41.6		ug/L		83	70 - 122
Trichloroethene	50.0	47.1		ug/L		94	70 - 125
Trichlorofluoromethane	50.0	53.0		ug/L		106	70 - 126
1,2,3-Trichloropropane	50.0	42.2		ug/L		84	50 - 133
1,2,4-Trimethylbenzene	50.0	42.1		ug/L		84	70 - 123
1,3,5-Trimethylbenzene	50.0	44.1		ug/L		88	70 - 123
Vinyl chloride	50.0	43.8		ug/L		88	64 - 126
Xylenes, Total	100	90.6		ug/L		91	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	82		72 - 124
Dibromofluoromethane	89		75 - 120
1,2-Dichloroethane-d4 (Surr)	89		75 - 126
Toluene-d8 (Surr)	93		75 - 120

# Lab Chronicle

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-6**  
**Date Collected: 05/30/18 09:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 15:24	EMA	TAL CHI

**Client Sample ID: MW-4**  
**Date Collected: 05/30/18 10:15**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 15:51	EMA	TAL CHI

**Client Sample ID: MW-4P**  
**Date Collected: 05/30/18 10:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 16:18	EMA	TAL CHI

**Client Sample ID: MW-5**  
**Date Collected: 05/30/18 10:45**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 16:45	EMA	TAL CHI

**Client Sample ID: MW-1**  
**Date Collected: 05/30/18 11:30**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 17:12	EMA	TAL CHI

**Client Sample ID: MW-1P**  
**Date Collected: 05/30/18 11:40**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 17:39	EMA	TAL CHI

TestAmerica Chicago

# Lab Chronicle

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

**Client Sample ID: MW-2**  
**Date Collected: 05/30/18 13:40**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 18:06	EMA	TAL CHI

**Client Sample ID: MW-3**  
**Date Collected: 05/30/18 14:00**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 18:33	EMA	TAL CHI

**Client Sample ID: Trip Blank**  
**Date Collected: 05/30/18 00:00**  
**Date Received: 05/31/18 09:50**

**Lab Sample ID: 500-146190-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	435340	06/05/18 19:00	EMA	TAL CHI

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: SCS Engineers  
Project/Site: Classic Cleaners Monona - 25211232.51

TestAmerica Job ID: 500-146190-1

## Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484  
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)

Contact: Robert Langdon  
Company: SCS Engineers  
Address: 2830 Danville Drive  
Madison, WI 53718  
Phone: 608-216-7329  
Fax:  
E-Mail: R.Langdon@scsengineers.com

(optional)

Bill To  
Contact: Ralph Stinson  
Company: SCS Engineers  
Address:  
Phone:  
Fax:  
PO#/Reference#

## Chain of Custody Record


Lab Job #: 500-146190  
Chain of Custody Number:  
Page \_\_\_\_\_ of \_\_\_\_\_  
Temperature °C of Cooler: 6.0

Client		Client Project #		Preservative		Parameter		Project Location/State		Lab Project #		Sampler		Lab PM		Preservative Key	
SCS Engineers		25211232.51		1		1		WI				NATE H.				1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Comments										
			Date	Time													
1		MW-6	5/30/18	930	3	W	X										
2		MW-4		1015	3												
3		MW-4P		1030	3												
4		MW-5		1045	3												
5		MW-1		1130	3												
6		MW-1P		1140	3												
7		MW-2		1340	3												
8		MW-3		1400	3												
9		Trip Blank	-	-	1												

Turnaround Time Required (Business Days) \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_  
 Sample Disposal:  Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>Nate Harris</u> Company: <u>SCS</u> Date: <u>5/31/18</u> Time: <u>1000</u>	Received By: <u>[Signature]</u> Company: <u>TA</u> Date: <u>05/31/18</u> Time: <u>0950</u>	Lab Courier: <input type="checkbox"/>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Shipped: <input checked="" type="checkbox"/>
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: <input type="checkbox"/>

- Matrix Key
- WW - Wastewater
  - W - Water
  - S - Soil
  - SL - Sludge
  - MS - Miscellaneous
  - OL - Oil
  - A - Air
  - SE - Sediment
  - SO - Soil
  - L - Leachate
  - WI - Wipe
  - DW - Drinking Water
  - O - Other

Client Comments: \_\_\_\_\_  
 Lab Comments: \_\_\_\_\_  
  
 500-146190 COC



500-146190 Waybill

**Express Package Airbill**

FedEx Tracking Number **8055 3915 2670**

Form ID No. **0215**

MUR 1

Ship Date **5/30/18**

Sender's Name **Nat'l Flavors** Phone **608 216-7345**

Company **SCS Engineers**

Address **2830 Dairy Drive**

City **Madison** State **IL** ZIP **53718**

Your Internal Billing Reference **25211232.51**

To Recipient's Name **SAMPLE RECEIPT** Phone **708 534-5200**

Company **TESTAMERICA CHICAGO**

Address **2417 BOND ST**

Address **UNIVERSITY PARK** State **IL** ZIP **60484-3101**



8055 3915 2670

0113670527

**4 Express Package Service** \*To most locations. Packages up to 150 lbs. NOTE: Service order has changed. Please select carefully. For packages over 150 lbs. use the FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
<input type="checkbox"/> <b>FedEx First Overnight</b> Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> <b>FedEx 2Day A.M.</b> Second business morning. Saturday Delivery NOT available.
<input type="checkbox"/> <b>FedEx Priority Overnight</b> Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	<input type="checkbox"/> <b>FedEx 2Day</b> Second business afternoon. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
<input type="checkbox"/> <b>FedEx Standard Overnight</b> Next business afternoon. Saturday Delivery NOT available.	<input type="checkbox"/> <b>FedEx Express Saver</b> Third business day. Saturday Delivery NOT available.

**5 Packaging** \*Declared value limit \$500.

FedEx Envelope\*  
  FedEx Pak\*  
  FedEx Box  
  FedEx Tube  
  Other

**6 Special Handling and Delivery Signature Options**

**SATURDAY Delivery**  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

**No Signature Required**  
Package may be left without obtaining a signature for delivery.

**Direct Signature**  
Someone at recipient's address may sign for delivery. *Fee applies.*

**Indirect Signature**  
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *For residential deliveries only. Fee applies.*

**Does this shipment contain dangerous goods?**

One box must be checked.

No  
  Yes As per attached Shipper's Declaration.  
  Yes Shipper's Declaration not required.  
  Dry Ice Dry Ice, 3, UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg

**Cargo Aircraft Only**

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

**7 Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct. No. in Section 1 will be billed.  
  Recipient  
  Third Party  
  Credit Card  
  Cash/Check

Total Packages **1** Total Weight **0.8** lbs. Credit Card Auth. **611**

Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.



## Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-146190-1

**Login Number: 146190**

**List Source: TestAmerica Chicago**

**List Number: 1**

**Creator: Kelsey, Shawn M**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	