

From: Langdon, Robert <RLangdon@scsengineers.com>
Sent: Wednesday, October 16, 2019 1:59 PM
To: Krueger, Sarah E - DNR
Subject: FW: Eurofins TestAmerica report files from 500-171200-1 Susie's Restaurant - 25219179.00
Attachments: J171200-1 UDS Level 2 Report Final Report.pdf

Hi Sarah, I've attached the lab report for the sump pit and sump discharge samples we collected at the Golden Flame.

-Rob

Robert Langdon
Senior Hydrogeologist/Project Manager

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From: Sandie Fredrick <sandie.fredrick@testamericainc.com>
Sent: Wednesday, October 16, 2019 11:40 AM
To: Valcheff, Jess <JValcheff@scsengineers.com>; Langdon, Robert <RLangdon@scsengineers.com>
Subject: Eurofins TestAmerica report files from 500-171200-1 Susie's Restaurant - 25219179.00

===== This message originated outside of SCS Engineers =====

Hello Rob,

Attached please find the report files for job 500-171200-1; Susie's Restaurant - 25219179.00

Please feel free to contact me if you have any questions.

Thank you.

Sandie Fredrick
Project Manager

Eurofins TestAmerica, Chicago
Phone: 920-261-1660

E-mail: sandie.fredrick@testamericainc.com
www.eurofinsus.com | www.testamericainc.com



Reference: [500-497645]
Attachments: 1

Please let us know if we met your expectations by rating the service you received from Eurofins TestAmerica on this project by visiting our website at: [Project Feedback](#)

ANALYTICAL REPORT

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

Laboratory Job ID: 500-171200-1

Client Project/Site: Susie's Restaurant - 25219179.00

For:

SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Robert Langdon



*Authorized for release by:
10/16/2019 11:35:39 AM*

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

LINKS

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

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

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



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Case Narrative

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Job ID: 500-171200-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

**Job Narrative
500-171200-1**

Comments

No additional comments.

Receipt

The samples were received on 10/4/2019 8:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was -2.1° C.

GC/MS VOA

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

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Detection Summary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit

Lab Sample ID: 500-171200-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	43		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.51	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.44	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	5.0		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	8.8		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	3.4		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Sump Discharge

Lab Sample ID: 500-171200-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	31		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.46	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.35	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.1		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	5.8		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	2.2		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Sump Pit Dup

Lab Sample ID: 500-171200-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	40		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.46	J	1.0	0.39	ug/L	1		8260B	Total/NA
Toluene	0.42	J	0.50	0.15	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	4.2		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	7.8		0.50	0.16	ug/L	1		8260B	Total/NA
Vinyl chloride	2.9		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 500-171200-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

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



Sample Summary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-171200-1	Sump Pit	Water	10/02/19 07:40	10/04/19 08:45	
500-171200-2	Sump Discharge	Water	10/02/19 07:30	10/04/19 08:45	
500-171200-3	Sump Pit Dup	Water	10/02/19 07:40	10/04/19 08:45	
500-171200-4	Trip Blank	Water	10/02/19 00:00	10/04/19 08:45	

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Client Sample Results

Client: SCS Engineers
 Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit

Lab Sample ID: 500-171200-1

Date Collected: 10/02/19 07:40

Matrix: Water

Date Received: 10/04/19 08:45

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			10/15/19 12:58	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/19 12:58	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/19 12:58	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/19 12:58	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/19 12:58	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/19 12:58	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/19 12:58	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/19 12:58	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/19 12:58	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/19 12:58	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/19 12:58	1
cis-1,2-Dichloroethene	43		1.0	0.41	ug/L			10/15/19 12:58	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/19 12:58	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/19 12:58	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/19 12:58	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/19 12:58	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/19 12:58	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/19 12:58	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/19 12:58	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/19 12:58	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
1,1-Dichloroethene	0.51 J		1.0	0.39	ug/L			10/15/19 12:58	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/19 12:58	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/19 12:58	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/19 12:58	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/19 12:58	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/19 12:58	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/19 12:58	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/19 12:58	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/19 12:58	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/19 12:58	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 12:58	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/19 12:58	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 12:58	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/19 12:58	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/19 12:58	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/19 12:58	1
Toluene	0.44 J		0.50	0.15	ug/L			10/15/19 12:58	1
trans-1,2-Dichloroethene	5.0		1.0	0.35	ug/L			10/15/19 12:58	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1

Client Sample Results

Client: SCS Engineers
 Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit

Date Collected: 10/02/19 07:40

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-1

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			10/15/19 12:58	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/19 12:58	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/19 12:58	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/19 12:58	1
Trichloroethene	8.8		0.50	0.16	ug/L			10/15/19 12:58	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/19 12:58	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/19 12:58	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/19 12:58	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/19 12:58	1
Vinyl chloride	3.4		1.0	0.20	ug/L			10/15/19 12:58	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/19 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124					10/15/19 12:58	1
Dibromofluoromethane	94		75 - 120					10/15/19 12:58	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126					10/15/19 12:58	1
Toluene-d8 (Surr)	97		75 - 120					10/15/19 12:58	1

Client Sample ID: Sump Discharge

Date Collected: 10/02/19 07:30

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-2

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			10/15/19 13:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/19 13:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/19 13:23	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/19 13:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/19 13:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/19 13:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/19 13:23	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/19 13:23	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/19 13:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/19 13:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/19 13:23	1
cis-1,2-Dichloroethene	31		1.0	0.41	ug/L			10/15/19 13:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/19 13:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/19 13:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/19 13:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/19 13:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/19 13:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/19 13:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/19 13:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
1,1-Dichloroethene	0.46 J		1.0	0.39	ug/L			10/15/19 13:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Discharge

Lab Sample ID: 500-171200-2

Date Collected: 10/02/19 07:30

Matrix: Water

Date Received: 10/04/19 08:45

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			10/15/19 13:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/19 13:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/19 13:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/19 13:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/19 13:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/19 13:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/19 13:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/19 13:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/19 13:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:23	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/19 13:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/19 13:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/19 13:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/19 13:23	1
Toluene	0.35 J		0.50	0.15	ug/L			10/15/19 13:23	1
trans-1,2-Dichloroethene	3.1		1.0	0.35	ug/L			10/15/19 13:23	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/19 13:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/19 13:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/19 13:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/19 13:23	1
Trichloroethene	5.8		0.50	0.16	ug/L			10/15/19 13:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/19 13:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/19 13:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/19 13:23	1
Vinyl chloride	2.2		1.0	0.20	ug/L			10/15/19 13:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/19 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		72 - 124		10/15/19 13:23	1
Dibromofluoromethane	96		75 - 120		10/15/19 13:23	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		10/15/19 13:23	1
Toluene-d8 (Surr)	97		75 - 120		10/15/19 13:23	1

Client Sample ID: Sump Pit Dup

Lab Sample ID: 500-171200-3

Date Collected: 10/02/19 07:40

Matrix: Water

Date Received: 10/04/19 08:45

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			10/15/19 13:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/19 13:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: SCS Engineers
 Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit Dup

Lab Sample ID: 500-171200-3

Date Collected: 10/02/19 07:40

Matrix: Water

Date Received: 10/04/19 08:45

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			10/15/19 13:47	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/19 13:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/19 13:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/19 13:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/19 13:47	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/19 13:47	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/19 13:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/19 13:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/19 13:47	1
cis-1,2-Dichloroethene	40		1.0	0.41	ug/L			10/15/19 13:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/19 13:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/19 13:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/19 13:47	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/19 13:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/19 13:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/19 13:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/19 13:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
1,1-Dichloroethene	0.46 J		1.0	0.39	ug/L			10/15/19 13:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/19 13:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/19 13:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/19 13:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/19 13:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/19 13:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/19 13:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/19 13:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/19 13:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/19 13:47	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:47	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/19 13:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 13:47	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/19 13:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/19 13:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/19 13:47	1
Toluene	0.42 J		0.50	0.15	ug/L			10/15/19 13:47	1
trans-1,2-Dichloroethene	4.2		1.0	0.35	ug/L			10/15/19 13:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/19 13:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/19 13:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/19 13:47	1

Client Sample Results

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit Dup

Date Collected: 10/02/19 07:40

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-3

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			10/15/19 13:47	1
Trichloroethene	7.8		0.50	0.16	ug/L			10/15/19 13:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/19 13:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/19 13:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/19 13:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/19 13:47	1
Vinyl chloride	2.9		1.0	0.20	ug/L			10/15/19 13:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/19 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		72 - 124					10/15/19 13:47	1
Dibromofluoromethane	97		75 - 120					10/15/19 13:47	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126					10/15/19 13:47	1
Toluene-d8 (Surr)	99		75 - 120					10/15/19 13:47	1

Client Sample ID: Trip Blank

Date Collected: 10/02/19 00:00

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-4

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			10/15/19 11:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/19 11:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/19 11:45	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/19 11:45	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/19 11:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/19 11:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/19 11:45	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/19 11:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/19 11:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/19 11:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/19 11:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/19 11:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/19 11:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/19 11:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/19 11:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/19 11:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/19 11:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/19 11:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/19 11:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/19 11:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/19 11:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/19 11:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-171200-4

Date Collected: 10/02/19 00:00

Matrix: Water

Date Received: 10/04/19 08:45

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			10/15/19 11:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/19 11:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/19 11:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/19 11:45	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/19 11:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/19 11:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/19 11:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 11:45	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/19 11:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 11:45	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/19 11:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/19 11:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/19 11:45	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/19 11:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/19 11:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/19 11:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/19 11:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/19 11:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/19 11:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/19 11:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/19 11:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/19 11:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/19 11:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/19 11:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/19 11:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/19 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		10/15/19 11:45	1
Dibromofluoromethane	95		75 - 120		10/15/19 11:45	1
1,2-Dichloroethane-d4 (Surr)	87		75 - 126		10/15/19 11:45	1
Toluene-d8 (Surr)	100		75 - 120		10/15/19 11:45	1

Definitions/Glossary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

GC/MS VOA

Analysis Batch: 510025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-171200-1	Sump Pit	Total/NA	Water	8260B	
500-171200-2	Sump Discharge	Total/NA	Water	8260B	
500-171200-3	Sump Pit Dup	Total/NA	Water	8260B	
500-171200-4	Trip Blank	Total/NA	Water	8260B	
MB 500-510025/6	Method Blank	Total/NA	Water	8260B	
LCS 500-510025/4	Lab Control Sample	Total/NA	Water	8260B	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

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)
500-171200-1	Sump Pit	92	94	89	97
500-171200-2	Sump Discharge	91	96	91	97
500-171200-3	Sump Pit Dup	92	97	89	99
500-171200-4	Trip Blank	90	95	87	100
LCS 500-510025/4	Lab Control Sample	89	95	87	98
MB 500-510025/6	Method Blank	88	97	95	97

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: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

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

Lab Sample ID: MB 500-510025/6
Matrix: Water
Analysis Batch: 510025

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			10/15/19 10:56	1
Bromobenzene	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			10/15/19 10:56	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			10/15/19 10:56	1
Bromoform	<0.48		1.0	0.48	ug/L			10/15/19 10:56	1
Bromomethane	<0.80		3.0	0.80	ug/L			10/15/19 10:56	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			10/15/19 10:56	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
Chloroethane	<0.51		1.0	0.51	ug/L			10/15/19 10:56	1
Chloroform	<0.37		2.0	0.37	ug/L			10/15/19 10:56	1
Chloromethane	<0.32		1.0	0.32	ug/L			10/15/19 10:56	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			10/15/19 10:56	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			10/15/19 10:56	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			10/15/19 10:56	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			10/15/19 10:56	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			10/15/19 10:56	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			10/15/19 10:56	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
Dibromomethane	<0.27		1.0	0.27	ug/L			10/15/19 10:56	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			10/15/19 10:56	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			10/15/19 10:56	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			10/15/19 10:56	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			10/15/19 10:56	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			10/15/19 10:56	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			10/15/19 10:56	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			10/15/19 10:56	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			10/15/19 10:56	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			10/15/19 10:56	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			10/15/19 10:56	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			10/15/19 10:56	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
Naphthalene	<0.34		1.0	0.34	ug/L			10/15/19 10:56	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			10/15/19 10:56	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 10:56	1
Styrene	<0.39		1.0	0.39	ug/L			10/15/19 10:56	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			10/15/19 10:56	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			10/15/19 10:56	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			10/15/19 10:56	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			10/15/19 10:56	1
Toluene	<0.15		0.50	0.15	ug/L			10/15/19 10:56	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			10/15/19 10:56	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: SCS Engineers
 Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

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

Lab Sample ID: MB 500-510025/6
Matrix: Water
Analysis Batch: 510025

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			10/15/19 10:56	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			10/15/19 10:56	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			10/15/19 10:56	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			10/15/19 10:56	1
Trichloroethene	<0.16		0.50	0.16	ug/L			10/15/19 10:56	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			10/15/19 10:56	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			10/15/19 10:56	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			10/15/19 10:56	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			10/15/19 10:56	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			10/15/19 10:56	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			10/15/19 10:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	88		72 - 124		10/15/19 10:56	1
Dibromofluoromethane	97		75 - 120		10/15/19 10:56	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		10/15/19 10:56	1
Toluene-d8 (Surr)	97		75 - 120		10/15/19 10:56	1

Lab Sample ID: LCS 500-510025/4
Matrix: Water
Analysis Batch: 510025

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	47.1		ug/L		94	70 - 122
Bromochloromethane	50.0	45.9		ug/L		92	65 - 122
Bromodichloromethane	50.0	41.1		ug/L		82	69 - 120
Bromoform	50.0	41.6		ug/L		83	56 - 132
Bromomethane	50.0	45.8		ug/L		92	40 - 152
Carbon tetrachloride	50.0	48.3		ug/L		97	59 - 133
Chlorobenzene	50.0	47.7		ug/L		95	70 - 120
Chloroethane	50.0	48.4		ug/L		97	48 - 136
Chloroform	50.0	41.8		ug/L		84	70 - 120
Chloromethane	50.0	49.6		ug/L		99	56 - 152
2-Chlorotoluene	50.0	46.8		ug/L		94	70 - 125
4-Chlorotoluene	50.0	45.8		ug/L		92	68 - 124
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	43.6		ug/L		87	64 - 127
Dibromochloromethane	50.0	42.4		ug/L		85	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	34.5		ug/L		69	56 - 123
1,2-Dibromoethane	50.0	43.2		ug/L		86	70 - 125
Dibromomethane	50.0	43.0		ug/L		86	70 - 120
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 125
1,3-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 125
1,4-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	36.6		ug/L		73	40 - 159
1,1-Dichloroethane	50.0	51.3		ug/L		103	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

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

Lab Sample ID: LCS 500-510025/4

Matrix: Water

Analysis Batch: 510025

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	42.0		ug/L		84	68 - 127
1,1-Dichloroethene	50.0	48.9		ug/L		98	67 - 122
1,2-Dichloropropane	50.0	52.7		ug/L		105	67 - 130
1,3-Dichloropropane	50.0	41.2		ug/L		82	62 - 136
2,2-Dichloropropane	50.0	44.9		ug/L		90	58 - 139
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 121
Ethylbenzene	50.0	49.5		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	46.3		ug/L		93	51 - 150
Isopropylbenzene	50.0	49.4		ug/L		99	70 - 126
Methylene Chloride	50.0	44.2		ug/L		88	69 - 125
Methyl tert-butyl ether	50.0	39.3		ug/L		79	55 - 123
Naphthalene	50.0	41.0		ug/L		82	53 - 144
n-Butylbenzene	50.0	48.3		ug/L		97	68 - 125
N-Propylbenzene	50.0	48.9		ug/L		98	69 - 127
p-Isopropyltoluene	50.0	49.7		ug/L		99	70 - 125
sec-Butylbenzene	50.0	49.8		ug/L		100	70 - 123
Styrene	50.0	47.2		ug/L		94	70 - 120
tert-Butylbenzene	50.0	49.5		ug/L		99	70 - 121
1,1,1,2-Tetrachloroethane	50.0	46.4		ug/L		93	70 - 125
1,1,2,2-Tetrachloroethane	50.0	39.6		ug/L		79	62 - 140
Tetrachloroethene	50.0	51.2		ug/L		102	70 - 128
Toluene	50.0	47.5		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	41.0		ug/L		82	62 - 128
1,2,3-Trichlorobenzene	50.0	44.2		ug/L		88	51 - 145
1,2,4-Trichlorobenzene	50.0	45.3		ug/L		91	57 - 137
1,1,1-Trichloroethane	50.0	44.8		ug/L		90	70 - 125
1,1,2-Trichloroethane	50.0	40.5		ug/L		81	71 - 130
Trichloroethene	50.0	51.5		ug/L		103	70 - 125
Trichlorofluoromethane	50.0	47.9		ug/L		96	55 - 128
1,2,3-Trichloropropane	50.0	37.0		ug/L		74	50 - 133
1,2,4-Trimethylbenzene	50.0	47.3		ug/L		95	70 - 123
1,3,5-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
Vinyl chloride	50.0	54.5		ug/L		109	64 - 126
Xylenes, Total	100	92.7		ug/L		93	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	89		72 - 124
Dibromofluoromethane	95		75 - 120
1,2-Dichloroethane-d4 (Surr)	87		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Chronicle

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Client Sample ID: Sump Pit

Date Collected: 10/02/19 07:40

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510025	10/15/19 12:58	JLC	TAL CHI

Client Sample ID: Sump Discharge

Date Collected: 10/02/19 07:30

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510025	10/15/19 13:23	JLC	TAL CHI

Client Sample ID: Sump Pit Dup

Date Collected: 10/02/19 07:40

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510025	10/15/19 13:47	JLC	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 10/02/19 00:00

Date Received: 10/04/19 08:45

Lab Sample ID: 500-171200-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	510025	10/15/19 11:45	JLC	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Susie's Restaurant - 25219179.00

Job ID: 500-171200-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State Program	999580010	08-31-20

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Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-171200-1

Login Number: 171200

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-2.1
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

