Foellmi, Thomas J - DNR

From: Langdon, Robert <RLangdon@scsengineers.com>
Sent: Tuesday, June 15, 2021 4:11 PM
To: DiMaggio, Janet H - DNR
Subject: FW: Eurofins TestAmerica report files from 500-200205-1 Matthews Estate - 25219145.00
Attachments: J200205-1 UDS Level 2 Report Final Report.pdf

Hi Janet, here's the laboratory report for the recent GW samples for Matthews Estate. We'll prepare updated analytical summary tables, but I wanted to get the report to you sooner rather than later.

OK to abandon the wells?

Robert Langdon
Senior Project Manager
SCS Engineers
2830 Dairy Drive
Madison, WI 53718-6751 USA
608-216-7329 (W)
608-212-3995 (C)
rlangdon@scsengineers.com

www.scsengineers.com

From: Sandie Fredrick <sandra.fredrick@eurofinset.com>
Sent: Tuesday, June 15, 2021 3:15 PM
To: Valcheff, Jess <JValcheff@scsengineers.com>; Langdon, Robert <RLangdon@scsengineers.com>
Subject: Eurofins TestAmerica report files from 500-200205-1 Matthews Estate - 25219145.00

Hello Rob,

Attached please find the report files for job 500-200205-1; Matthews Estate - 25219145.00

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: sandra.fredrick@eurofinset.com
www.eurofinsus.com/env

Reference: [500-599149]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-200205-1
Client Project/Site: Matthews Estate - 25219145.00

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Robert Langdon

Sandra Fredrick

Authorized for release by:
6/15/2021 3:11:04 PM

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

Table of Contents

Case Narrative

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Job ID: 500-200205-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-200205-1

Comments
No additional comments.

Receipt
The samples were received on 6/4/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Methods 624, 8260B: Methylene chloride was detected in the following samples: Equipment Blank (500-200205-7). The method blank associated with these samples was below the reporting limit for Methylene chloride. Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

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

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

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

Detection Summary

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW1 — Lab Sample ID: 500-200205-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	17		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW2 — Lab Sample ID: 500-200205-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	27		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW3 — Lab Sample ID: 500-200205-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.24	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	16		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW4 — Lab Sample ID: 500-200205-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.26	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	19		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW5 — Lab Sample ID: 500-200205-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.25	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	16		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: MW1-DUP — Lab Sample ID: 500-200205-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.28	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	16		2.5	0.73	ug/L	1		6020A	Dissolved

Client Sample ID: Equipment Blank — Lab Sample ID: 500-200205-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	3.3	J	5.0	1.6	ug/L	1		8260B	Total/NA
Barium	1.6	J	2.5	0.73	ug/L	1		6020A	Total Recoverable

Client Sample ID: Trip Blank — Lab Sample ID: 500-200205-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	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: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-200205-1	MW1	Water	06/03/21 09:45	06/04/21 09:30	
500-200205-2	MW2	Water	06/03/21 10:20	06/04/21 09:30	
500-200205-3	MW3	Water	06/03/21 10:45	06/04/21 09:30	
500-200205-4	MW4	Water	06/03/21 10:55	06/04/21 09:30	
500-200205-5	MW5	Water	06/03/21 11:25	06/04/21 09:30	
500-200205-6	MW1-DUP	Water	06/03/21 09:45	06/04/21 09:30	
500-200205-7	Equipment Blank	Water	06/03/21 09:50	06/04/21 09:30	
500-200205-8	Trip Blank	Water	06/03/21 00:00	06/04/21 09:30	

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW1
Date Collected: 06/03/21 09:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-1
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			06/13/21 10:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 10:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 10:22	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 10:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 10:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 10:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 10:22	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 10:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 10:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 10:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 10:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 10:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 10:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 10:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 10:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 10:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 10:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 10:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 10:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 10:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 10:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 10:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 10:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 10:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 10:22	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 10:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 10:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 10:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:22	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 10:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 10:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 10:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 10:22	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 10:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 10:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW1

Date Collected: 06/03/21 09:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-1

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			06/13/21 10:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 10:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 10:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 10:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 10:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 10:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 10:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 10:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 10:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 10:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*06/13/21 10:22*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/13/21 10:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*06/13/21 10:22*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/13/21 10:22*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		06/08/21 08:14	06/09/21 11:42	1
Barium	**17**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 11:42	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 11:42	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 11:42	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 11:42	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 11:42	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 11:42	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:31	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW2
Date Collected: 06/03/21 10:20
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-2
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			06/13/21 10:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 10:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 10:59	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 10:59	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 10:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 10:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 10:59	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 10:59	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 10:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 10:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 10:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 10:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 10:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 10:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 10:59	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 10:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 10:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 10:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 10:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 10:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 10:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 10:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 10:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 10:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 10:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 10:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 10:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 10:59	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:59	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 10:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 10:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 10:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 10:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 10:59	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 10:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 10:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW2
Date Collected: 06/03/21 10:20
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-2
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			06/13/21 10:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 10:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 10:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 10:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 10:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 10:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 10:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 10:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 10:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 10:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/13/21 10:59*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/13/21 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*06/13/21 10:59*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/13/21 10:59*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		06/08/21 08:14	06/09/21 11:59	1
Barium	**27**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 11:59	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 11:59	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 11:59	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 11:59	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 11:59	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 11:59	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:33	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW3

Date Collected: 06/03/21 10:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-3

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			06/13/21 11:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 11:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 11:25	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 11:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 11:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 11:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 11:25	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 11:25	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 11:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 11:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 11:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 11:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 11:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 11:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 11:25	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 11:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 11:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 11:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 11:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 11:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 11:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 11:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 11:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 11:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 11:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 11:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 11:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 11:25	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:25	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 11:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:25	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 11:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 11:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 11:25	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 11:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 11:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW3

Date Collected: 06/03/21 10:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-3

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			06/13/21 11:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 11:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 11:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 11:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 11:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 11:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 11:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 11:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 11:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*06/13/21 11:25*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/13/21 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/13/21 11:25*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/13/21 11:25*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.24**	**J**	1.0	0.23	ug/L		06/08/21 08:14	06/09/21 12:03	1
Barium	**16**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 12:03	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 12:03	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 12:03	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 12:03	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 12:03	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 12:03	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:35	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW4

Date Collected: 06/03/21 10:55
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-4

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			06/13/21 11:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 11:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 11:52	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 11:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 11:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 11:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 11:52	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 11:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 11:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 11:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 11:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 11:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 11:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 11:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 11:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 11:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 11:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 11:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 11:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 11:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 11:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 11:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 11:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 11:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 11:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 11:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 11:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 11:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:52	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 11:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 11:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 11:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 11:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 11:52	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 11:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 11:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW4

Date Collected: 06/03/21 10:55
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-4

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			06/13/21 11:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 11:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 11:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 11:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 11:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 11:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 11:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 11:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 11:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 11:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*06/13/21 11:52*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/13/21 11:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*06/13/21 11:52*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*06/13/21 11:52*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.26**	**J**	1.0	0.23	ug/L		06/08/21 08:14	06/09/21 12:06	1
Barium	**19**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 12:06	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 12:06	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 12:06	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 12:06	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 12:06	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 12:06	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:38	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW5

Date Collected: 06/03/21 11:25
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-5

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			06/13/21 12:19	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 12:19	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 12:19	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 12:19	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 12:19	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 12:19	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 12:19	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 12:19	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 12:19	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 12:19	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 12:19	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 12:19	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 12:19	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 12:19	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 12:19	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 12:19	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 12:19	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:19	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 12:19	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 12:19	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 12:19	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 12:19	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 12:19	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 12:19	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 12:19	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 12:19	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 12:19	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 12:19	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 12:19	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:19	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 12:19	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:19	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 12:19	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 12:19	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 12:19	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 12:19	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 12:19	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW5

Date Collected: 06/03/21 11:25
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-5

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			06/13/21 12:19	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 12:19	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 12:19	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 12:19	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 12:19	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 12:19	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 12:19	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:19	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 12:19	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 12:19	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*06/13/21 12:19*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/13/21 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/13/21 12:19*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/21 12:19*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.25**	**J**	1.0	0.23	ug/L		06/08/21 08:14	06/09/21 12:17	1
Barium	**16**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 12:17	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 12:17	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 12:17	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 12:17	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 12:17	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 12:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:40	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW1-DUP

Date Collected: 06/03/21 09:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-6

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			06/13/21 12:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 12:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 12:46	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 12:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 12:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 12:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 12:46	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 12:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 12:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 12:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 12:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 12:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 12:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 12:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 12:46	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 12:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 12:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:46	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 12:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 12:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 12:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 12:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 12:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 12:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 12:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 12:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 12:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 12:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 12:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:46	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 12:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 12:46	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 12:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 12:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 12:46	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 12:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 12:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: MW1-DUP

Date Collected: 06/03/21 09:45
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-6

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			06/13/21 12:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 12:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 12:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 12:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 12:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 12:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 12:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 12:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 12:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 12:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*06/13/21 12:46*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 120*		*06/13/21 12:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*06/13/21 12:46*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/13/21 12:46*	*1*

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.28**	**J**	1.0	0.23	ug/L		06/08/21 08:14	06/09/21 12:20	1
Barium	**16**		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 12:20	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 12:20	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 12:20	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 12:20	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 12:20	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 12:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:42	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: Equipment Blank

Date Collected: 06/03/21 09:50
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-7

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			06/13/21 13:12	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 13:12	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 13:12	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 13:12	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 13:12	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 13:12	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 13:12	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 13:12	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 13:12	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 13:12	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 13:12	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 13:12	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 13:12	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 13:12	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 13:12	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 13:12	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 13:12	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:12	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 13:12	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 13:12	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 13:12	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 13:12	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 13:12	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 13:12	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 13:12	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 13:12	1
Methylene Chloride	**3.3**	**J**	5.0	1.6	ug/L			06/13/21 13:12	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 13:12	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 13:12	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:12	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 13:12	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:12	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 13:12	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 13:12	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 13:12	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 13:12	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 13:12	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: Equipment Blank

Date Collected: 06/03/21 09:50
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-7
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			06/13/21 13:12	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 13:12	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 13:12	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 13:12	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 13:12	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 13:12	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 13:12	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:12	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 13:12	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 13:12	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/13/21 13:12*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*06/13/21 13:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*06/13/21 13:12*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/13/21 13:12*	*1*

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		06/08/21 08:14	06/09/21 12:24	1
Barium	**1.6**	**J**	2.5	0.73	ug/L		06/08/21 08:14	06/09/21 12:24	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 12:24	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 12:24	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 12:24	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 12:24	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 12:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:44	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: Trip Blank

Date Collected: 06/03/21 00:00
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-8

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			06/13/21 13:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 13:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 13:39	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 13:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 13:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 13:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 13:39	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 13:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 13:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 13:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 13:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 13:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 13:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 13:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 13:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 13:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 13:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 13:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 13:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 13:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 13:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 13:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 13:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 13:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 13:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 13:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 13:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 13:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:39	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 13:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 13:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 13:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 13:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 13:39	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 13:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 13:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

Client Sample ID: Trip Blank

Date Collected: 06/03/21 00:00
Date Received: 06/04/21 09:30

Lab Sample ID: 500-200205-8

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			06/13/21 13:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 13:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 13:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 13:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 13:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 13:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 13:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 13:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 13:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 13:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*06/13/21 13:39*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*06/13/21 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/13/21 13:39*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/13/21 13:39*	*1*

Definitions/Glossary

Client: SCS Engineers
Job ID: 500-200205-1
Project/Site: Matthews Estate - 25219145.00

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.

Metals

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 603818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-1	MW1	Total/NA	Water	8260B	
500-200205-2	MW2	Total/NA	Water	8260B	
500-200205-3	MW3	Total/NA	Water	8260B	
500-200205-4	MW4	Total/NA	Water	8260B	
500-200205-5	MW5	Total/NA	Water	8260B	
500-200205-6	MW1-DUP	Total/NA	Water	8260B	
500-200205-7	Equipment Blank	Total/NA	Water	8260B	
500-200205-8	Trip Blank	Total/NA	Water	8260B	
MB 500-603818/6	Method Blank	Total/NA	Water	8260B	
LCS 500-603818/4	Lab Control Sample	Total/NA	Water	8260B	

Metals

Prep Batch: 602842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-1	MW1	Dissolved	Water	3005A	
500-200205-2	MW2	Dissolved	Water	3005A	
500-200205-3	MW3	Dissolved	Water	3005A	
500-200205-4	MW4	Dissolved	Water	3005A	
500-200205-5	MW5	Dissolved	Water	3005A	
500-200205-6	MW1-DUP	Dissolved	Water	3005A	
500-200205-7	Equipment Blank	Total Recoverable	Water	3005A	
MB 500-602842/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-602842/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-200205-1 MS	MW1	Dissolved	Water	3005A	
500-200205-1 MSD	MW1	Dissolved	Water	3005A	
500-200205-1 DU	MW1	Dissolved	Water	3005A	

Analysis Batch: 603179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-1	MW1	Dissolved	Water	6020A	602842
500-200205-2	MW2	Dissolved	Water	6020A	602842
500-200205-3	MW3	Dissolved	Water	6020A	602842
500-200205-4	MW4	Dissolved	Water	6020A	602842
500-200205-5	MW5	Dissolved	Water	6020A	602842
500-200205-6	MW1-DUP	Dissolved	Water	6020A	602842
500-200205-7	Equipment Blank	Total Recoverable	Water	6020A	602842
MB 500-602842/1-A	Method Blank	Total Recoverable	Water	6020A	602842
LCS 500-602842/2-A	Lab Control Sample	Total Recoverable	Water	6020A	602842
500-200205-1 MS	MW1	Dissolved	Water	6020A	602842
500-200205-1 MSD	MW1	Dissolved	Water	6020A	602842
500-200205-1 DU	MW1	Dissolved	Water	6020A	602842

Prep Batch: 603609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-1	MW1	Dissolved	Water	7470A	
500-200205-2	MW2	Dissolved	Water	7470A	
500-200205-3	MW3	Dissolved	Water	7470A	
500-200205-4	MW4	Dissolved	Water	7470A	
500-200205-5	MW5	Dissolved	Water	7470A	
500-200205-6	MW1-DUP	Dissolved	Water	7470A	

Metals (Continued)

Prep Batch: 603609 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-7	Equipment Blank	Total/NA	Water	7470A	
MB 500-603609/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-603609/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-200205-7 MS	Equipment Blank	Total/NA	Water	7470A	
500-200205-7 MSD	Equipment Blank	Total/NA	Water	7470A	
500-200205-7 DU	Equipment Blank	Total/NA	Water	7470A	

Analysis Batch: 603956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200205-1	MW1	Dissolved	Water	7470A	603609
500-200205-2	MW2	Dissolved	Water	7470A	603609
500-200205-3	MW3	Dissolved	Water	7470A	603609
500-200205-4	MW4	Dissolved	Water	7470A	603609
500-200205-5	MW5	Dissolved	Water	7470A	603609
500-200205-6	MW1-DUP	Dissolved	Water	7470A	603609
500-200205-7	Equipment Blank	Total/NA	Water	7470A	603609
MB 500-603609/12-A	Method Blank	Total/NA	Water	7470A	603609
LCS 500-603609/13-A	Lab Control Sample	Total/NA	Water	7470A	603609
500-200205-7 MS	Equipment Blank	Total/NA	Water	7470A	603609
500-200205-7 MSD	Equipment Blank	Total/NA	Water	7470A	603609
500-200205-7 DU	Equipment Blank	Total/NA	Water	7470A	603609

Surrogate Summary

Client: SCS Engineers
Project/Site: Matthews Estate - 25219145.00

Job ID: 500-200205-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-200205-1	MW1	90	103	102	97
500-200205-2	MW2	92	103	95	98
500-200205-3	MW3	89	102	101	97
500-200205-4	MW4	91	102	102	94
500-200205-5	MW5	87	104	101	96
500-200205-6	MW1-DUP	90	104	103	97
500-200205-7	Equipment Blank	92	103	104	98
500-200205-8	Trip Blank	90	108	107	97
LCS 500-603818/4	Lab Control Sample	94	97	96	102
MB 500-603818/6	Method Blank	93	102	102	96

Surrogate Legend

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

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

Lab Sample ID: MB 500-603818/6
Matrix: Water
Analysis Batch: 603818

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			06/13/21 09:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/13/21 09:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/13/21 09:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/13/21 09:01	1
Bromoform	<0.48		1.0	0.48	ug/L			06/13/21 09:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			06/13/21 09:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/13/21 09:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/13/21 09:01	1
Chloroform	<0.37		2.0	0.37	ug/L			06/13/21 09:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/13/21 09:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/13/21 09:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/13/21 09:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/13/21 09:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/13/21 09:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/13/21 09:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/13/21 09:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/13/21 09:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/13/21 09:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/13/21 09:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/13/21 09:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			06/13/21 09:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/13/21 09:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/13/21 09:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/13/21 09:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/13/21 09:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/13/21 09:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/13/21 09:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/13/21 09:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/13/21 09:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/13/21 09:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/13/21 09:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/13/21 09:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/13/21 09:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 09:01	1
Styrene	<0.39		1.0	0.39	ug/L			06/13/21 09:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/13/21 09:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/13/21 09:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/13/21 09:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/13/21 09:01	1
Toluene	<0.15		0.50	0.15	ug/L			06/13/21 09:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/13/21 09:01	1

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

Lab Sample ID: MB 500-603818/6
Matrix: Water
Analysis Batch: 603818

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			06/13/21 09:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/13/21 09:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/13/21 09:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/13/21 09:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/13/21 09:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/13/21 09:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/13/21 09:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			06/13/21 09:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/13/21 09:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/13/21 09:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/13/21 09:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/13/21 09:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/13/21 09:01*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*06/13/21 09:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*06/13/21 09:01*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*06/13/21 09:01*	*1*

Lab Sample ID: LCS 500-603818/4
Matrix: Water
Analysis Batch: 603818

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	48.6		ug/L		97	70 - 120
Bromobenzene	50.0	50.9		ug/L		102	70 - 122
Bromochloromethane	50.0	48.2		ug/L		96	65 - 122
Bromodichloromethane	50.0	44.7		ug/L		89	69 - 120
Bromoform	50.0	51.4		ug/L		103	56 - 132
Bromomethane	50.0	34.4		ug/L		69	40 - 152
Carbon tetrachloride	50.0	45.0		ug/L		90	59 - 133
Chlorobenzene	50.0	48.6		ug/L		97	70 - 120
Chloroethane	50.0	39.7		ug/L		79	48 - 136
Chloroform	50.0	46.7		ug/L		93	70 - 120
Chloromethane	50.0	49.4		ug/L		99	56 - 152
2-Chlorotoluene	50.0	47.3		ug/L		95	70 - 125
4-Chlorotoluene	50.0	46.6		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	47.1		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	48.5		ug/L		97	64 - 127
Dibromochloromethane	50.0	47.0		ug/L		94	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	56 - 123
1,2-Dibromoethane	50.0	48.2		ug/L		96	70 - 125
Dibromomethane	50.0	45.1		ug/L		90	70 - 120
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	70 - 125
1,3-Dichlorobenzene	50.0	49.4		ug/L		99	70 - 125
1,4-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	41.7		ug/L		83	40 - 159
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 125

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

Lab Sample ID: LCS 500-603818/4
Matrix: Water
Analysis Batch: 603818

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	45.4		ug/L		91	68 - 127
1,1-Dichloroethene	50.0	47.8		ug/L		96	67 - 122
1,2-Dichloropropane	50.0	46.3		ug/L		93	67 - 130
1,3-Dichloropropane	50.0	48.3		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	44.3		ug/L		89	58 - 139
1,1-Dichloropropene	50.0	47.8		ug/L		96	70 - 121
Ethylbenzene	50.0	47.7		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	64.5		ug/L		129	51 - 150
Isopropylbenzene	50.0	48.2		ug/L		96	70 - 126
Methylene Chloride	50.0	48.2		ug/L		96	69 - 125
Methyl tert-butyl ether	50.0	43.9		ug/L		88	55 - 123
Naphthalene	50.0	45.5		ug/L		91	53 - 144
n-Butylbenzene	50.0	46.3		ug/L		93	68 - 125
N-Propylbenzene	50.0	47.8		ug/L		96	69 - 127
p-Isopropyltoluene	50.0	47.4		ug/L		95	70 - 125
sec-Butylbenzene	50.0	47.6		ug/L		95	70 - 123
Styrene	50.0	48.0		ug/L		96	70 - 120
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.3		ug/L		93	62 - 140
Tetrachloroethene	50.0	57.0		ug/L		114	70 - 128
Toluene	50.0	50.5		ug/L		101	70 - 125
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 125
trans-1,3-Dichloropropene	50.0	45.0		ug/L		90	62 - 128
1,2,3-Trichlorobenzene	50.0	53.4		ug/L		107	51 - 145
1,2,4-Trichlorobenzene	50.0	53.3		ug/L		107	57 - 137
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	70 - 125
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	71 - 130
Trichloroethene	50.0	50.0		ug/L		100	70 - 125
Trichlorofluoromethane	50.0	48.3		ug/L		97	55 - 128
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	50 - 133
1,2,4-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
1,3,5-Trimethylbenzene	50.0	47.3		ug/L		95	70 - 123
Vinyl chloride	50.0	52.8		ug/L		106	64 - 126
Xylenes, Total	100	92.7		ug/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
Toluene-d8 (Surr)	*102*		*75 - 120*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-602842/1-A
Matrix: Water
Analysis Batch: 603179

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 602842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		06/08/21 08:14	06/09/21 11:35	1
Barium	<0.73		2.5	0.73	ug/L		06/08/21 08:14	06/09/21 11:35	1
Cadmium	<0.17		0.50	0.17	ug/L		06/08/21 08:14	06/09/21 11:35	1
Chromium	<1.1		5.0	1.1	ug/L		06/08/21 08:14	06/09/21 11:35	1
Lead	<0.19		0.50	0.19	ug/L		06/08/21 08:14	06/09/21 11:35	1
Selenium	<0.98		2.5	0.98	ug/L		06/08/21 08:14	06/09/21 11:35	1
Silver	<0.12		0.50	0.12	ug/L		06/08/21 08:14	06/09/21 11:35	1

Lab Sample ID: LCS 500-602842/2-A
Matrix: Water
Analysis Batch: 603179

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 602842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			100	96.2		ug/L		96	80 - 120		
Barium			500	506		ug/L		101	80 - 120		
Cadmium			50.0	49.7		ug/L		99	80 - 120		
Chromium			200	206		ug/L		103	80 - 120		
Lead			100	105		ug/L		105	80 - 120		
Selenium			100	101		ug/L		101	80 - 120		
Silver			50.0	53.1		ug/L		106	80 - 120		

Lab Sample ID: 500-200205-1 MS
Matrix: Water
Analysis Batch: 603179

Client Sample ID: MW1
Prep Type: Dissolved
Prep Batch: 602842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	<0.23		100	98.3		ug/L		98	75 - 125		
Barium	17		500	517		ug/L		100	75 - 125		
Cadmium	<0.17		50.0	49.7		ug/L		99	75 - 125		
Chromium	<1.1		200	203		ug/L		102	75 - 125		
Lead	<0.19		100	106		ug/L		106	75 - 125		
Selenium	<0.98		100	102		ug/L		102	75 - 125		
Silver	<0.12		50.0	53.0		ug/L		106	75 - 125		

Lab Sample ID: 500-200205-1 MSD
Matrix: Water
Analysis Batch: 603179

Client Sample ID: MW1
Prep Type: Dissolved
Prep Batch: 602842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<0.23		100	99.8		ug/L		100	75 - 125	2	20
Barium	17		500	525		ug/L		102	75 - 125	2	20
Cadmium	<0.17		50.0	51.6		ug/L		103	75 - 125	4	20
Chromium	<1.1		200	208		ug/L		104	75 - 125	2	20
Lead	<0.19		100	108		ug/L		108	75 - 125	2	20
Selenium	<0.98		100	105		ug/L		105	75 - 125	2	20
Silver	<0.12		50.0	54.7		ug/L		109	75 - 125	3	20

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-200205-1 DU
Matrix: Water
Analysis Batch: 603179

Client Sample ID: MW1
Prep Type: Dissolved
Prep Batch: 602842

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	<0.23			<0.23		ug/L				NC	20
Barium	17			16.9		ug/L				0.5	20
Cadmium	<0.17			<0.17		ug/L				NC	20
Chromium	<1.1			<1.1		ug/L				NC	20
Lead	<0.19			<0.19		ug/L				NC	20
Selenium	<0.98			<0.98		ug/L				NC	20
Silver	<0.12			<0.12		ug/L				NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-603609/12-A
Matrix: Water
Analysis Batch: 603956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 603609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		06/11/21 10:20	06/14/21 07:27	1

Lab Sample ID: LCS 500-603609/13-A
Matrix: Water
Analysis Batch: 603956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 603609

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			2.00	1.96		ug/L		98	80 - 120		

Lab Sample ID: 500-200205-7 MS
Matrix: Water
Analysis Batch: 603956

Client Sample ID: Equipment Blank
Prep Type: Total/NA
Prep Batch: 603609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.098		1.00	0.975		ug/L		98	75 - 125		

Lab Sample ID: 500-200205-7 MSD
Matrix: Water
Analysis Batch: 603956

Client Sample ID: Equipment Blank
Prep Type: Total/NA
Prep Batch: 603609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.098		1.00	0.964		ug/L		96	75 - 125	1	20

Lab Sample ID: 500-200205-7 DU
Matrix: Water
Analysis Batch: 603956

Client Sample ID: Equipment Blank
Prep Type: Total/NA
Prep Batch: 603609

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	<0.098			<0.098		ug/L				NC	20

Lab Chronicle

Client: SCS Engineers
Job ID: 500-200205-1
Project/Site: Matthews Estate - 25219145.00

Client Sample ID: MW1
Lab Sample ID: 500-200205-1
Date Collected: 06/03/21 09:45
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 10:22	PMF	TAL CHI
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 11:42	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:31	MJG	TAL CHI

Client Sample ID: MW2
Lab Sample ID: 500-200205-2
Date Collected: 06/03/21 10:20
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 10:59	PMF	TAL CHI
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 11:59	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:33	MJG	TAL CHI

Client Sample ID: MW3
Lab Sample ID: 500-200205-3
Date Collected: 06/03/21 10:45
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 11:25	PMF	TAL CHI
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 12:03	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:35	MJG	TAL CHI

Client Sample ID: MW4
Lab Sample ID: 500-200205-4
Date Collected: 06/03/21 10:55
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 11:52	PMF	TAL CHI
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 12:06	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:38	MJG	TAL CHI

Client Sample ID: MW5
Lab Sample ID: 500-200205-5
Date Collected: 06/03/21 11:25
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 12:19	PMF	TAL CHI

Lab Chronicle

Client: SCS Engineers
Job ID: 500-200205-1
Project/Site: Matthews Estate - 25219145.00

Client Sample ID: MW5
Lab Sample ID: 500-200205-5
Date Collected: 06/03/21 11:25
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 12:17	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:40	MJG	TAL CHI

Client Sample ID: MW1-DUP
Lab Sample ID: 500-200205-6
Date Collected: 06/03/21 09:45
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 12:46	PMF	TAL CHI
Dissolved	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Dissolved	Analysis	6020A		1	603179	06/09/21 12:20	FXG	TAL CHI
Dissolved	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Dissolved	Analysis	7470A		1	603956	06/14/21 07:42	MJG	TAL CHI

Client Sample ID: Equipment Blank
Lab Sample ID: 500-200205-7
Date Collected: 06/03/21 09:50
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 13:12	PMF	TAL CHI
Total Recoverable	Prep	3005A			602842	06/08/21 08:14	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	603179	06/09/21 12:24	FXG	TAL CHI
Total/NA	Prep	7470A			603609	06/11/21 10:20	MJG	TAL CHI
Total/NA	Analysis	7470A		1	603956	06/14/21 07:44	MJG	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-200205-8
Date Collected: 06/03/21 00:00
Matrix: Water
Date Received: 06/04/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	603818	06/13/21 13:39	PMF	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
Job ID: 500-200205-1
Project/Site: Matthews Estate - 25219145.00

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Jackie Rennebohm	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-91667-40870 1
Client Contact: Mr Robert Langdon	Phone:	E-Mail: sandra fredrick@eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: SCS Engineers	PWSID:	Analysis Requested		Job #: 500-200205

Address: 2830 Dairy Drive	Due Date Requested		Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify); Other
City: Madison	TAT Requested (days)		
State, Zip: WI 53718	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 25219145 00		
Email: rlangdon@scsengineers.com	WO #:		
Project Name: Matthews Estate 25219145 00	Project #: 50006561		
Site:	SSOW#:		

500-200205 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B VOC	6020A, 7470A	Total Number of containers	Special Instructions/Note
			Preservation Code:				A	D		
1 MW1	6/3/21	945		Water			X	X		
2 MW2		1020		Water			X	X		
3 MW3		1045		Water			X	X		
4 MW4		1055		Water			X	X		
5 MW5		1125		Water			X	X		
6 MW1-Dup		945		Water			X	X		
7 Equipment Blank		950		Water			X	X		Not filtered
8 Trip blank		—		Water			X			
				Water						

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinqu shed by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		6/3/21 1300				
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinqu.shed by	Date/Time	Company	Received by	Date/Time	Company
4					6/4/21 0930	ETA-AHT

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.3

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-200205-1

Login Number: 200205
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
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	