June 29, 2021
File No. 2519145.00

Ms. Janet DiMaggio
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Status Update Report - Charles Matthews Estate
Southwest Corner of County Road E and Newell Road, Town of Scott, Wisconsin
WDNR BRRTS No. 02-11-176566
FID No. 111082070

Dear Ms. DiMaggio:

SCS Engineers (SCS) prepared this Status Update Report for the Charles Matthews Estate site (**Figure 1**). The purpose of the report is to document additional groundwater monitoring and well abandonment activities performed since submittal of our August 29, 2019, Site Investigation Report (SIR). The additional work was performed consistent with Wisconsin Department of Natural Resources (WDNR) Change Order No. 1, dated November 3, 2020.

GROUNDWATER MONITORING

Sampling

Groundwater samples were collected from all five monitoring wells on June 3, 2021. The sampling was performed consistent with the approved Quality Assurance/Quality Control Plan. The samples were transported to Eurofins/TestAmerica of University Park, Illinois, for analysis of volatile organic compounds (VOCs) and Resource Conservation and Recovery Act (RCRA) metals. The laboratory analytical report is provided in **Attachment A.** Sample results are summarized in **Tables 1** and **2**, and below.

- The groundwater sample results were consistent with prior sampling results.
- VOCs were not detected in any of the groundwater samples or trip blank.
- Methylene chloride was detected in the equipment blank prepared from rinse water applied to SCS's water level measuring tape. It was reported as an approximate concentration between the laboratory reporting limit (RL) and method detection limit (MDL). The presence of methylene chloride in the equipment blank sample does not appear to bias the sample results. The source of methylene chloride is unknown but could have resulted from laboratory contamination of the sample. Methylene chloride is a common laboratory contaminant as discussed in the case narrative in the laboratory analytical report.

- Metals were not detected at concentrations in excess of WDNR NR 140 preventive action limits (PALs).

Groundwater Flow

Water level information from the June 2021 sampling event is summarized in **Table 3** and on **Figure 2**. Groundwater flow was to the southeast at a gradient of approximately 0.002 feet per foot and is consistent with prior measurements.

MONITORING WELL ABANDONMENTS

With WDNR permission, all monitoring wells were abandoned on June 25, 2021, consistent with NR 141 abandonment requirements. Monitoring well abandonment work was performed by On-site Environmental Services, Inc. of Sun Prairie, Wisconsin, under supervision of SCS. Monitoring well abandonment forms are provided in **Attachment B.**

Please contact Robert Langdon of SCS at (608) 212-3995 if you have any questions concerning this update.

Sincerely,

Robert Langdon
Senior Project Manager
SCS Engineers

Jackie Rennebohm
Staff Geologist
SCS Engineers

REL/lmh/JR/RT

Attachments: Table 1 – Groundwater Analytical Results Summary – VOCs
Table 2 – Groundwater Analytical Results Summary – Metals
Table 3 – Water Level Summary
Figure 1 – Site Location Map
Figure 2 – Water Table Map, June 3, 2021
Attachment A – Laboratory Analytical Report
Attachment B – Monitoring Well Abandonment Forms

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Tables

Table 1. Groundwater Analytical Results Summary - VOCs
Charles Matthews Estate - SW Corner of County Road E and Newell Road, Town of Scott, WI / SCS Engineers Project #25219145.00
(Results are in µg/L)

Sample	Date	Lab Notes	PCE	TCE	VC	cis-1,2-DCE	trans-1,2-DCE	Other VOCs	
MW1	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	7/23/2019 (Dup)	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021 (Dup)	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
MW2	7/23/2019	(1)	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
MW3	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
MW4	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
MW5	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
Equipment Blank	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	Chloroform	0.47 J B
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	Methylene Chloride	3.3 J
Trip Blank	7/23/2019	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
	6/3/2021	--	<0.37	<0.16	<0.20	<0.41	<0.35	ND	
NR 140 Enforcement Standards (ESs)			5	5	0.2	70	100	Chloroform	6
								Methylene Chloride	5
NR 140 Preventive Action Limits (PALs)			0.5	0.5	0.02	7	20	Chloroform	0.6
								Methylene Chloride	0.5

Table 1. Groundwater Analytical Results Summary - VOCs
Charles Matthews Estate - SW Corner of County Road E and Newell Road, Town of Scott, WI / SCS Engineers Project #25219145.00

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb)
VC = Vinyl Chloride
ND = Not Detected
DCE = Dichloroethene
TCE = Trichloroethene
-- = Not Applicable
PCE = Tetrachloroethene
VOCs = Volatile Organic Compounds
Dup = Duplicate Sample

Notes:
NR 140 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
NR 140 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
Bold+underlined values meet or exceed NR 140 ESs.
Italic+underlined values meet or exceed NR 140 PALs.

Laboratory Notes/Qualifiers:
B = Compound was found in the blank and sample.
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
(1) 1,2-Dibromo-3-Chloropropane = LCS or LCSD is outside acceptance limits.

Created by:	LMH	Date:	8/2/2019
Last revision by:	LMH	Date:	6/16/2021
Checked by:	JSN	Date:	6/18/2021
Proj Mgr QA/QC:	REL	Date:	6/28/2021

I:\25219145.00\Data and Calculations\Tables\[Table 1 - GW_VOCs.xlsx]VOCs

Table 2. Groundwater Analytical Results Summary - Metals
Charles Matthews Estate - SW Corner of County Road E and Newell Road, Town of Scott, WI / SCS Engineers Project #25219145.00
(Results are in µg/L)

Sample	Date	Lab Notes	Arsenic	Barium	Boron	Cadmium	Chromium (Total)	Copper	Iron	Lead	Mercury	Selenium	Silver
MW1	7/23/2019	--	<0.23	13	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	7/23/2019 (Dup)	--	0.27 J	13	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021	--	<0.23	17	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021 (Dup)	--	0.28 J	16	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
MW2	7/23/2019	--	0.41 J	57	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021	--	<0.23	27	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
MW3	7/23/2019	--	0.32 J	35	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021	--	0.24 J	16	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
MW4	7/23/2019	--	0.31 J	28	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021	--	0.26 J	19	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
MW5	7/23/2019	--	0.26 J	19	NA	<0.19	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
	6/3/2021	--	0.25 J	16	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
Equipment Blank	7/23/2019	--	<0.23	1.6 J	NA	<0.17	<1.1	NA	NA	0.34 J	<0.098	<0.98	<0.12
	6/3/2021	--	<0.23	1.6 J	NA	<0.17	<1.1	NA	NA	<0.19	<0.098	<0.98	<0.12
NR 140.10 Enforcement Standards (ESs)			10	2,000	1,000	5	100	1,300	NE	15	2	50	50
NR 140.10 Preventive Action Limits (PALs)			1	400	200	0.5	10	130	NE	1.5	0.2	10	10

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb) -- = Not Applicable Dup = Duplicate Sample

Notes:
NR 140.10 ESs - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
NR 140.10 PALs - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+underlined values meet or exceed NR 140 preventive action limits.

Laboratory Notes/Qualifiers:
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Created by: LMH Date: 8/2/2019
Last revision by: LMH Date: 6/16/2021
Checked by: JSN Date: 6/18/2021
Proj Mgr QA/QC: REL Date: 6/28/2021

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Table 3. Water Level Summary

Charles Matthews Estate - SW Corner of County Road E and Newell Road, Town of Scott, WI / SCS Engineers Project #25219145.00

	Depth to Water in feet below top of well casing				
Raw Data	**MW1**	**MW2**	**MW3**	**MW4**	**MW5**
Measurement Date					
July 23, 2019	34.54	33.96	32.11	35.54	34.67
June 3, 2021	34.97	34.30	32.45	35.95	35.05

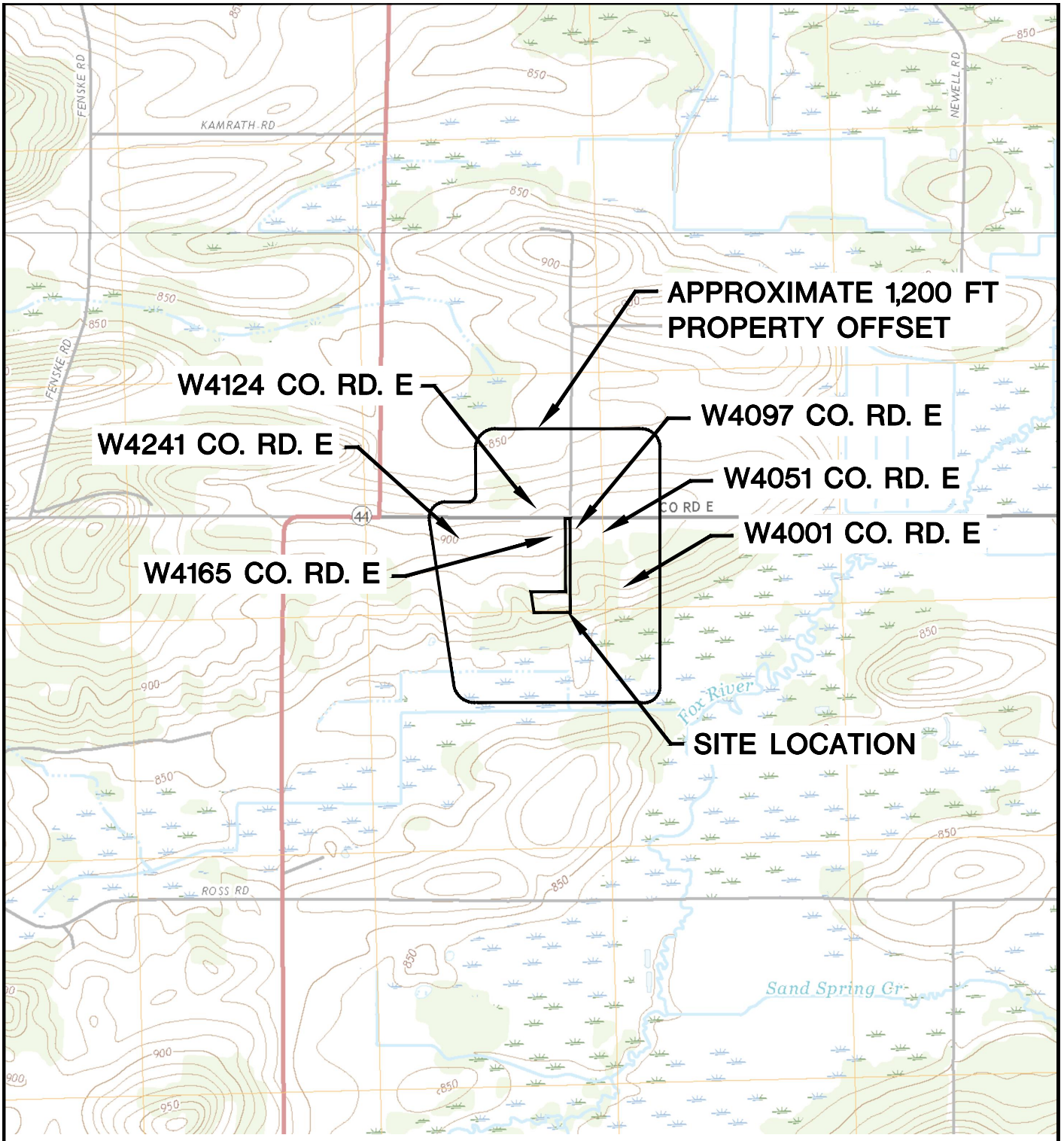
	Ground Water Elevation in feet above mean sea level (amsl)				
Well Number	**MW1**	**MW2**	**MW3**	**MW4**	**MW5**
Top of Casing Elevation (feet amsl)	875.26	874.17	872.75	876.48	875.45
Screen Length (ft)	15.00	15.00	15.00	15.00	15.00
Total Depth (ft from top of casing)	46.38	45.80	43.50	45.35	45.93
Top of Well Screen Elevation (ft)	843.88	843.37	844.25	846.13	844.52
Measurement Date					
July 23, 2019	840.72	840.21	840.64	840.94	840.78
June 3, 2021	840.29	839.87	840.30	840.53	840.40
Bottom of Well Elevation (ft)	828.88	828.37	829.25	831.13	829.52

Notes:
NM = not measured
* = immediately post development

Created by:	JR	Date:	7/23/2019
Last revision by:	JR	Date:	6/4/2021
Checked by:	REL	Date:	6/15/2021
Proj Mgr QA/QC:	REL	Date:	6/15/2021

\\Mad-fs01\data\Projects\25219145.00\Data and Calculations\Tables\[Table 3 - WLStat.xlsx]levels

Figures



N

SAND SPRING CREEK QUADRANGLE
WISCONSIN–COLUMBIA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
2018
SCALE: 1" = 2,000'

CLIENT	WDNR–SCR 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711	SITE	CHARLES MATTHEWS ESTATE SW CORNER OF CO. RD. E AND NEWELL ROAD TOWN OF SCOTT, WISCONSIN 53954

SITE LOCATION MAP

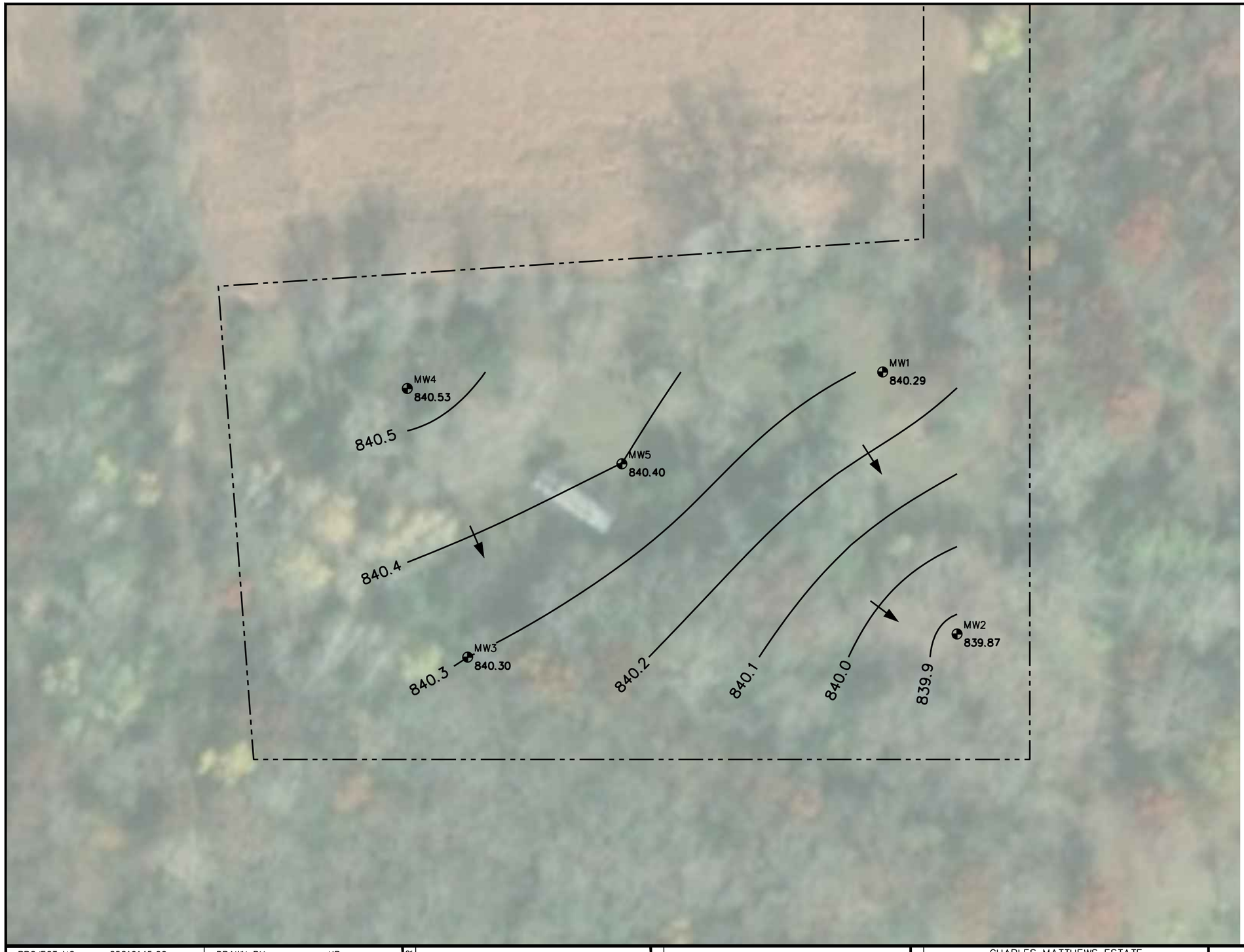
PROJECT NO.	25219145.00	DRAWN BY:	BSS
DRAWN:	07/31/19	CHECKED BY:	REL
REVISED:	07/31/19	APPROVED BY:	REL 08/23/19

ENGINEER

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718–6751
PHONE: (608) 224–2830

FIGURE
1

I:\25219145.00\Drawings\1 Site Location Map.dwg, 8/23/2019 10:19:14 AM



LEGEND

- PROPERTY LINE (APPROXIMATE)
- MONITORING WELL
- 840.29 WATER TABLE ELEVATION MEASURED ON JUNE 3, 2021
- WATER TABLE CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

60 0 60

SCALE: 1" = 60'

PROJECT NO.	25219145.00	DRAWN BY:	KP
DRAWN:	06/16/2021	CHECKED BY:	JR
REVISED:	06/16/2021	APPROVED BY:	REL 06/16/2021

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: WDNR-SCR
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711

SITE: CHARLES MATTHEWS ESTATE
SW CORNER OF CO. RD. E
AND NEWELL ROAD
TOWN OF SCOTT, WISCONSIN 53954

WATER TABLE MAP
JUNE 3, 2021

FIGURE
1

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Attachment A

Laboratory Analytical Report

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	

Attachment B

Monitoring Well Abandonment Forms

State of Wis., Dept. of Natural Resources
dnr.wi.gov

SCS No. 25219145.00

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Columbia	VV845	

Latitude / Longitude (see instructions) ____ N ____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SE	NE	17	13 N	11 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Southwest Corner of County Road E and Newell Road

Well City, Village or Town	Well ZIP Code
Town of Scott	53926

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Investigation Complete	

2. Facility / Owner Information

Facility Name: Matthews Estate Property

Facility ID (FID or PWS): 1110802070

License/Permit/Monitoring #:

Original Well Owner: Wisconsin Department of Natural Resources

Present Well Owner: Wisconsin Department of Natural Resources

Mailing Address of Present Owner: 3911 Fish Hatchery Road

City of Present Owner	State	ZIP Code
Fitchburg	WI	53711-5367

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/9/2019

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
44	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	29

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	35.20

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	44	70#	

6. Comments

MW-1

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services, Inc.		6/25/2021

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590	Gage Kapugi	6/29/2021

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25219145.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Charles Matthews Estate	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW1
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VV845 / DNR Well ID No.: ___
Facility ID: 111082070	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 07/09/2019 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 17, T. 13 N, R. 11 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radke / Cascade Drilling
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ Rotosonic

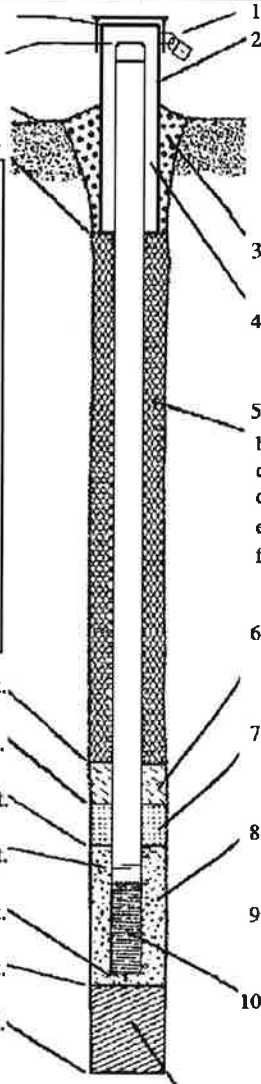
15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis, if required):
—

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 25.0 ft.
G. Filter pack, top _____ ft. MSL or 27.0 ft.
H. Screen joint, top _____ ft. MSL or 29.0 ft.
I. Well bottom _____ ft. MSL or 44.0 ft.
J. Filter pack, bottom _____ ft. MSL or 45.0 ft.
K. Borehole, bottom _____ ft. MSL or 45.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Filter Sand — Bentonite ☐ 30 / Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. ____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #7 ☒
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Filter(Si) (#5) ☒
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

SCS No. 25219145.00

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Columbia	VV846	

Latitude / Longitude (see instructions) ____ N ____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SE	NE	17	13 N	11 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Southwest Corner of County Road E and Newell Road

Well City, Village or Town	Well ZIP Code
Town of Scott	53926

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Investigation Complete	

2. Facility / Owner Information

Facility Name: Matthews Estate Property

Facility ID (FID or PWS): 1110802070

License/Permit/Monitoring #:

Original Well Owner: Wisconsin Department of Natural Resources

Present Well Owner: Wisconsin Department of Natural Resources

Mailing Address of Present Owner: 3911 Fish Hatchery Road

City of Present Owner	State	ZIP Code
Fitchburg	WI	53711-5367

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/9/2019

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
44	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	29

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	34.46

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	44	70#	

6. Comments

MW-2

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services, Inc.		6/25/2021

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590	Gage Kapugi	6/29/2021

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25219145.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Charles Matthews Estate	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VI846 / DNR Well ID No.: ____
Facility ID: 111082070	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 07/09/2019 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 17, T. 13 N, R. 11 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radke / Cascade Drilling
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or 0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ Rotosonic

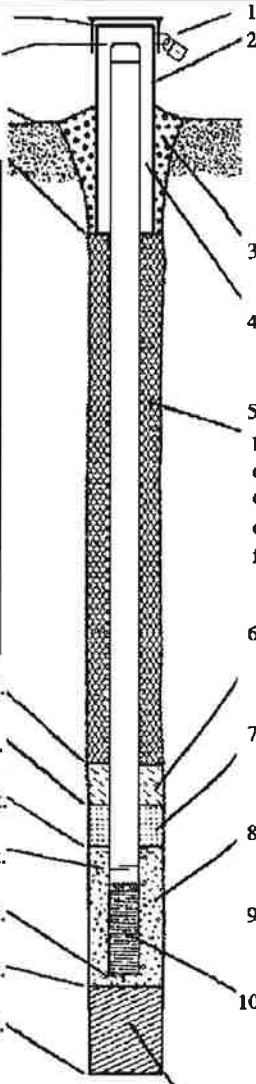
15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis, if required): —

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 25.0 ft.
G. Filter pack, top _____ ft. MSL or 27.0 ft.
H. Screen joint, top _____ ft. MSL or 29.0 ft.
I. Well bottom _____ ft. MSL or 44.0 ft.
J. Filter pack, bottom _____ ft. MSL or 45.0 ft.
K. Borehole, bottom _____ ft. MSL or 45.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: —
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Filter Sand — Bentonite ☐ 30 / Other ☒
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #7 ☒
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Filter Sil (#5) ☒
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

SCS No. 25219145.00

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Columbia	VV847	

Latitude / Longitude (see instructions) ____ N ____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SE	NE	17	13 N	11 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Southwest Corner of County Road E and Newell Road

Well City, Village or Town	Well ZIP Code
Town of Scott	53926

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Investigation Complete	

2. Facility / Owner Information

Facility Name: Matthews Estate Property

Facility ID (FID or PWS): 1110802070

License/Permit/Monitoring #:

Original Well Owner: Wisconsin Department of Natural Resources

Present Well Owner: Wisconsin Department of Natural Resources

Mailing Address of Present Owner: 3911 Fish Hatchery Road

City of Present Owner	State	ZIP Code
Fitchburg	WI	53711-5367

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/10/2019

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
42	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	27

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	32.61

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	42	65#	

6. Comments

MW-3

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services, Inc.		6/25/2021

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Gage Kapugi

Date Signed: 6/29/2021

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25219145.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Charles Matthews Estate	Local Grid Location of Well ☐ ft. ☐N. ☐S. ☐ ft. ☐E. ☐W.	Well Name: MW3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VV847 / DNR Well ID No.: ___
Facility ID: 111082070	St. Plane ___ ft. N, ___ ft. E. S/C/N	Date Well Installed: 07/12/2019 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 17, T. 13 N, R. 11 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radtke, Cascade Drilling
Distance from Waste/Source ___ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient d ☐ Downgradient s ☐ Sidegradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation ___ ft. MSL
B. Well casing, top elevation ___ ft. MSL
C. Land surface elevation ___ ft. MSL
D. Surface seal, bottom ___ ft. MSL or ___ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

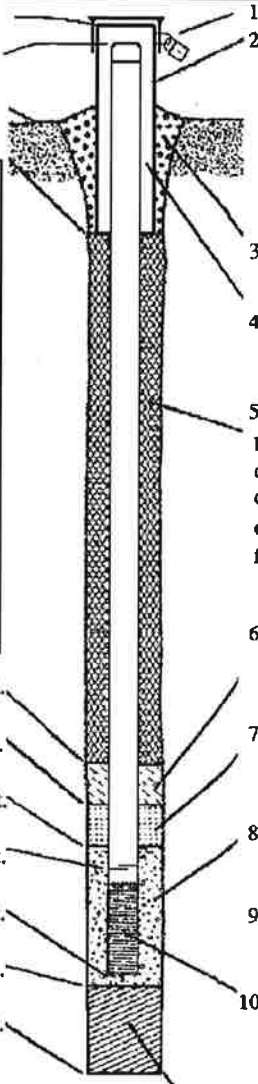
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ Rotosonic

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ___

17. Source of water (attach analysis, if required):
___

E. Bentonite seal, top ___ ft. MSL or 0 ft.
F. Fine sand, top ___ ft. MSL or 23.0 ft.
G. Filter pack, top ___ ft. MSL or 25.0 ft.
H. Screen joint, top ___ ft. MSL or 27.0 ft.
I. Well bottom ___ ft. MSL or 42.0 ft.
J. Filter pack, bottom ___ ft. MSL or 43.0 ft.
K. Borehole, bottom ___ ft. MSL or 43.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ___
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ Filter Sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ___ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #7 ☒
b. Volume added ___ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Filter Sil (#5) ☒
b. Volume added ___ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ___ Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

SCS No. 25219145.00

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Columbia	VV848	

Latitude / Longitude (see instructions) ____ N ____ W

Format Code: ☐ DD ☐ DDM

Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SE	NE	17	13 N	11 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Southwest Corner of County Road E and Newell Road

Well City, Village or Town	Well ZIP Code
Town of Scott	53926

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Investigation Complete	

2. Facility / Owner Information

Facility Name: Matthews Estate Property

Facility ID (FID or PWS): 1110802070

License/Permit/Monitoring #:

Original Well Owner: Wisconsin Department of Natural Resources

Present Well Owner: Wisconsin Department of Natural Resources

Mailing Address of Present Owner: 3911 Fish Hatchery Road

City of Present Owner	State	ZIP Code
Fitchburg	WI	53711-5367

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/10/2019

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
44	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	29

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	36.17

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	44	70#	

6. Comments

MW-4

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services, Inc.		6/25/2021

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code
Sun Prairie	WI	53590

Signature of Person Doing Work: Gage Kapugi

Date Signed: 6/29/2021

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25219145.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Managemen ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Charles Matthews Estate	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or	Wis. Unique Well No.: VV848 / DNR Well ID No.: ___
Facility ID: 111082070	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 07/10/2019 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 17, T. 13 N, R. 11 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Brandy Radke / Cascade Drilling
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒
Rotosonic

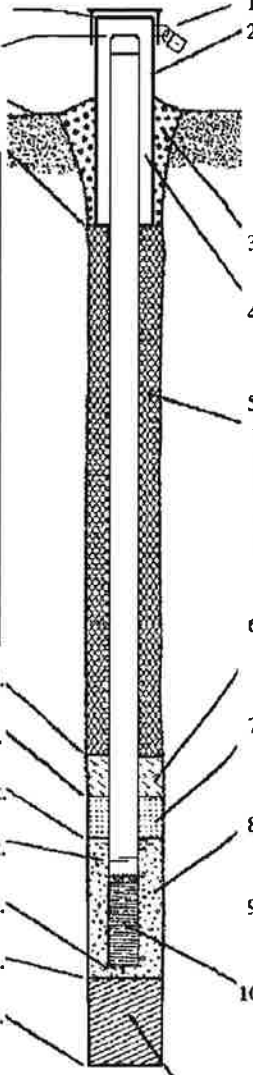
15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 0 ft.
F. Fine sand, top _____ ft. MSL or 25.0 ft.
G. Filter pack, top _____ ft. MSL or 27.0 ft.
H. Screen joint, top _____ ft. MSL or 29.0 ft.
I. Well bottom _____ ft. MSL or 44.0 ft.
J. Filter pack, bottom _____ ft. MSL or 45.0 ft.
K. Borehole, bottom _____ ft. MSL or 45.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.01 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒
Filter Sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #7 ☒
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. FilterSil (#5) ☒
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wis., Dept. of Natural Resources
dnr.wi.gov

SCS No. 25219145.00

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other:

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Columbia	V V 8 4 9	

Latitude / Longitude (see instructions): ____ N ____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SE	NE	17	13 N	11 ☒ E ☐ W

or Gov't Lot #

Well Street Address: Southwest Corner of County Road E and Newell Road

Well City, Village or Town	Well ZIP Code
Town of Scott	53926

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Investigation Complete	

2. Facility / Owner Information

Facility Name: Matthews Estate Property
Facility ID (FID or PWS): 1110802070
License/Permit/Monitoring #:
Original Well Owner: Wisconsin Department of Natural Resources
Present Well Owner: Wisconsin Department of Natural Resources
Mailing Address of Present Owner: 3911 Fish Hatchery Road

City of Present Owner	State	ZIP Code
Fitchburg	WI	53711-5367

3. Filled & Sealed Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 7/11/2019

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify):

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
44	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	29

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	35.30

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain):

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	44	70#	

6. Comments

MW-5

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services, Inc.		6/25/2021

Street or Route	Telephone Number
P.O. Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590	Gage Kapugi	6/29/2021

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25219145.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Managemen ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Charles Matthews Estate	Local Grid Location of Well ☐ ft. ☐N. ☐S. ☐ ft. ☐E. ☐W.	Well Name: MW5
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VV849 / DNR Well ID No.
Facility ID: 111082070	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: m m / d d / y y y y
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of NE 1/4 of Sec. 17, T. 13 N, R. 11 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Randy Radke, Cascade Drilling
Distance from Waste/Source ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ft. MSL
B. Well casing, top elevation ft. MSL
C. Land surface elevation ft. MSL
D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☒ Rotosonic

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ft. MSL or 0 ft.
F. Fine sand, top ft. MSL or 25.0 ft.
G. Filter pack, top ft. MSL or 27.0 ft.
H. Screen joint, top ft. MSL or 29.0 ft.
I. Well bottom ft. MSL or 44.0 ft.
J. Filter pack, bottom ft. MSL or 45.0 ft.
K. Borehole, bottom ft. MSL or 45.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
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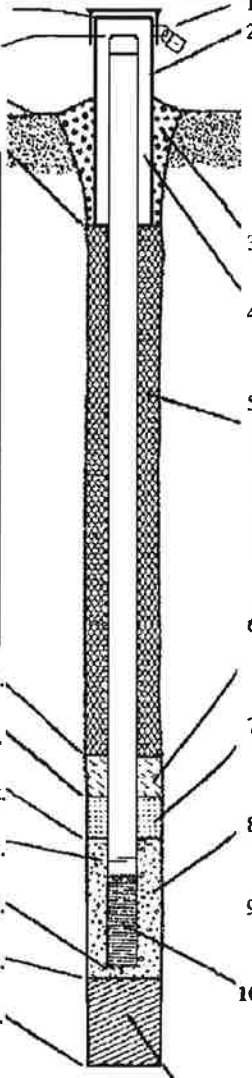

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 15 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30; Other ☒ Filter Sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #7 ☒
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. FilterSil (#5) ☒
b. Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
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c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
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Signature: [signature] Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

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