From: Mark Fryman
To: Koepke, Cynthia L - DNR
Subject: RE: blast from the past
Date: Friday, September 16, 2022 9:35:43 AM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png
LAB_GW-Well Nest 4 Initial.pdf
LAB_SourceSoilandGPgw-Dec2018.pdf
Miller"s boring logs B-5 through B-16.pdf
Miller"s Liquor Well Details-MW4nest.pdf

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Cindy,

Attached are 4 files. Two are lab report; one is for the 2018 geoprobe sampling and the other is for the groundwater sampling at the MW-4 well best. I have also attached the boring logs for the GPs installed in 2018 and the well construction forms for the downgradient well nest (MW-4) installed in 2019.

I think this covers the information that you were looking for. If you need anything else drop me a note or call.

Thank you,

TRUENORTH CONSULTANTS

Mark Fryman
Staff Consultant
525 Junction Road | Suite 1900 | Madison, WI 53717
o 608.234.5092 | m 608.220.4847 | f 608.237.2453
COVID-19 Services
ConsultTrueNorth.com

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From: Koepke, Cynthia L - DNR <Cynthia.Koepke@wisconsin.gov>
Sent: Friday, September 16, 2022 9:07 AM
To: Mark Fryman <mfryman@consulttruenorth.com>
Subject: RE: blast from the past

Much appreciated, Mark!

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Cindy Koepke, P.G.
Phone: **608-219-2181**
Email: cynthia.koepke@wisconsin.gov

From: Mark Fryman <mfryman@consulttruenorth.com>
Sent: Friday, September 16, 2022 8:54 AM
To: Koepke, Cynthia L - DNR <Cynthia.Koepke@wisconsin.gov>
Subject: RE: blast from the past

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Cindy,

I think I can find that information. I will look around for it today. I should not have much trouble finding the lab report/data. The boring logs may take me a bit more work.

Thank you,

TRUENORTH CONSULTANTS

Mark Fryman
Staff Consultant
525 Junction Road | Suite 1900 | Madison, WI 53717
o 608.234.5092 | m 608.220.4847 | f 608.237.2453
COVID-19 Services
ConsultTrueNorth.com

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From: Koepke, Cynthia L - DNR <Cynthia.Koepke@wisconsin.gov>
Sent: Thursday, September 15, 2022 2:40 PM
To: Mark Fryman <mfryman@consulttruenorth.com>
Subject: blast from the past

Hi Mark,
Hope you're having a good fall.

I was looking back at my files and realize I never got the lab sheets and boring logs for the geoprobe sampling Robyn did at Miller's Liquor in late 2018 (she sent me 2 preliminary figures

with some PCE data but nothing else). I don't know if it's still possible or if I need to ask someone else, but it would be great to have the lab sheets for the project file. Gives a more complete picture.

Let me know what you think. I know it's not a simple ask.
Thanks!

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Cindy Koepke, P.G.

[she/her/hers]
Hydrogeologist – Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
South Central Region
3911 Fish Hatchery Road
Fitchburg WI 53711
Phone: **608-219-2181**
Email: **cynthia.koepke@wisconsin.gov**


dnr.wi.gov


State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122
Page 1 of 1

Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-5

Boring Drilled by	Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)	12/13/18

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-5	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
1	60"	0 5	Grass Silty topsoil Light brown fine sand to 8 ft		ML SP		0						
2	58"	10	Change to light brown clayey silt/silty clay		CL/ ML		75 68						
3	45"	15	SAME as above, more clay Change to dark brown clayey silt		CL SM		48						
4	60"	20	SAME as above End of boring		SM								

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-6

Boring Drilled by	Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)	12/13/18

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-6	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
1	60"	0	Grass Silty topsoil Light brown fine sand		ML SP		0						
		5	Change to silty fine sand, light to medium brown		SM								
2	60"	10	Change to light brown clayey silt/silty clay		CL/ML		12						
3	54"	15	SAME as above, more clay Change to dark brown clayey silt		CL SM		0						
4	48"	20	SAME as above End of boring		SM		0						

Signature		Firm: Seymour Environmental Services, Inc.
	Robyn Seymour	

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SOIL BORING LOG INFORMATION
Form 4400-122
Page 1 of 1

Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-7
Boring Drilled by		Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		12/13/18
Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-7	2"	
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County Dane	County Code 13	Civil Town Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
		0	Grass										
			Brown silty topsoil		ML								
	55"		Light brown silty fine sand		SM								
1													
							>2000						
		5	Brown silty sand, slight clay		SM								
	60"												
							>2000						
2			Sand layer, well graded fine		SW								
		10	Brown silty sand, slight gravel										
			Brown silty clay, solvent odor		CL								
			Sandy layer with some glauconite		SW								
3	60"												
							>2000						
		15	Brown silty clay, wet in top		CL								
			SAME as above										
	60"				CL		>2000						
4													
		20	End of boring										

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
Form 4400-122
Page 1 of 1

Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-8
Boring Drilled by		Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		12/13/18
Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-8	2"	
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County Dane	County Code 13	Civil Town Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
		0	Grass										
			Brown silty topsoil		ML								
			Dark brown silty clay		CL								
	60"						0						
1			Increasing moisture content										
		5	Slightly silty sand with gravel		SP								
	24"						1.5						
2			Sand layer, well graded fine		SW								
		10	Light brown silty clay		CL								
			Brown silty clay,		CL SW								
3	48"						25						
			18 inch fine sand layer		SW								
		15	Brown silty clay, wet in top		CL								
			SAME as above										
	55"				CL								
4							32						
			Yellow brown fine sand		SW								
		20	End of boring										

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
Form 4400-122
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-9

Boring Drilled by	Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)	12/13/18

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-9	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
1	14"	0	Grass Brown silty topsoil Medium brown silty clay		ML CL		0						
		5											
2	60"		Dark brown silty clay/clayey silt		CL/ML								
					SW		210						
		10	Fine sand with gravel		SP								
3	58"		Same as above				23						
			18-inch fine sand layer		SW								
		15	Fine sand with gravel		SP								
4	60"		SAME as above		SP		0.3						
			Yellow brown fine sand		SW								
		20	End of boring										

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-10

Boring Drilled by	Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)	12/13/18

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-10	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
1	60"	0	Asphalt Gravel base Light brown fine sand		ML SP		18						
		5	Change to silty fine sand, light to medium brown		SM								
2	60"	10	Change to light brown clayey silt/silty clay		CL/ML		12						
3	54"	15	Light brown silty clay Change to dark brown clayey silt		CL SM		0.5						
4	48"	20	SAME as above End of boring		SM		28						

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
Form 4400-122
Page 1 of 1

Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-11
Boring Drilled by		Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		12/13/18
Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-11	2"	
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County Dane	County Code 13	Civil Town Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
		0	Asphalt										
			Coarse sand		ML								
	55"		Light brown silty fine sand		SM		0						
1													
		5	Dark brown silty sand, slight clay		SM								
			Light brown clayey sand		SC								
	60"						0.5						
2					SW								
		10	Dark brown silty clay										
			Brown silty clay, solvent odor		CL								
			Sandy layer with some glauconite		SW								
3	60"						0						
		15	Brown silty clay, wet in top		CL								
			SAME as above										
	60"				CL		48						
4													
		20	End of boring										

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-12
Boring Drilled by: On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		Date Installed: 12/14/18
Boring or Well Number: B-12 / WI Unique Well Number (assigned by DNR)	Borehole Diameter: 2"	Water Level / Surface Elevation
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County: Dane	County Code: 13	Civil Town: Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL	DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties: q	W	LL	PL	P200	Blow Count
		0	Grass Blind drilled to refusal at 23 feet Collected gw sample at 23 and 8											

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
Form 4400-122
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-13

Boring Drilled by	Date Installed
On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)	12/14/18

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-18	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
		0	Grass Blind drilled to refusal at 23 feet Depth to water 14 ft Samples collected from 28 and 18 ft										

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-14

Boring Drilled by	Date Installed
On-site Environmental (Gage Kapugi) Seymour Environmental (R. Seymour)	12/14/19

Boring or Well Number / WI Unique Well Number (assigned by DNR)	Borehole Diameter	Water Level / Surface Elevation
B-14	2"	

NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)

County	County Code	Civil Town
Dane	13	Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties q	W	LL	PL	P200	Blow Count
		0	Asphalt Pavement										
		1	Brown fine Sand (fill),		SP								
1		2	Dark brown silty clay		CL		0						
		3											
		4											
		5											
2		6	SAME as above		CL		0						
		7											
		8	Light brown silty clay, moist		CL								
3		9					12						
		10											
		11	Change to fine Sand with silt seam Dark gray to black		SM								
		12	SAME as above										
		13	Change to brown med-fine Sand		SP								
4		14					1.5						
		15											
			Refusal End of boring										

Signature	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-15
Boring Drilled by: On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		Date Installed: 12/14/18
Boring or Well Number: B-15 / WI Unique Well Number (assigned by DNR)	Borehole Diameter: 2"	Water Level / Surface Elevation
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County: Dane	County Code: 13	Civil Town: Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL	DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties: q	W	LL	PL	P200	Blow Count
		0	Grass Blind drilled to refusal at 29 feet Water at 27											

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

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SOIL BORING LOG INFORMATION
Form 4400-122
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Facility/Project Name	Seymour Project Number	License/Permit/Monitoring Number
Miller's Liquor - 2401 University Ave. - Madison, WI		B-16
Boring Drilled by: On-site Environmental (Tony Kapugi) Seymour Environmental (R. Seymour)		Date Installed: 12/14/18
Boring or Well Number: B-15 — WI Unique Well Number (assigned by DNR)	Borehole Diameter: 2"	Water Level — Surface Elevation
NE ¼ of NE ¼ of Section 21 T 7 N R 9 E	Grid Location (if applicable)	
County: Dane	County Code: 13	Civil Town: Madison

SAMPLE	RECOVERY	DEPTH (ft)	SOIL/ROCK DESCRIPTION	WELL	DIAGRAM	USCS	RQD	Stable OVM (vppm)	Soil Properties: q	W	LL	PL	P200	Blow Count
		0	Grass Blind drilled to refusal at 31 feet Water at 26											

Signature	Robyn Seymour	Firm: Seymour Environmental Services, Inc.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 27, 2018

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: MILLERS
Pace Project No.: 40181246

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: MILLERS
Pace Project No.: 40181246

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: MILLERS
Pace Project No.: 40181246

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40181246001	**B-11, 8'**	Solid	12/13/18 14:45	12/19/18 09:20
40181246002	**B-11, 17'**	Solid	12/13/18 15:00	12/19/18 09:20
40181246003	**B-12, DEEP**	Water	12/14/18 10:00	12/19/18 09:20
40181246004	**B-12, SHALLOW**	Water	12/14/18 10:10	12/19/18 09:20
40181246005	**B-13, DEEP**	Water	12/14/18 10:45	12/19/18 09:20
40181246006	**B-13, SHALLOW**	Water	12/14/18 11:00	12/19/18 09:20
40181246007	**B-14, 3'**	Solid	12/14/18 11:30	12/19/18 09:20
40181246008	**B-14, 10'**	Solid	12/14/18 11:45	12/19/18 09:20
40181246009	**B-15**	Water	12/14/18 13:00	12/19/18 09:20
40181246010	**B-16**	Water	12/14/18 14:30	12/19/18 09:20
40181246011	**B-5-8'**	Solid	12/13/18 10:00	12/19/18 09:20
40181246012	**B-5 16'**	Solid	12/13/18 10:15	12/19/18 09:20
40181246013	**B-6, 10'**	Solid	12/13/18 11:00	12/19/18 09:20
40181246014	**B-6, 15'**	Solid	12/13/18 11:10	12/19/18 09:20
40181246015	**B-7, 10'**	Solid	12/13/18 11:30	12/19/18 09:20
40181246016	**B-7, 15'**	Solid	12/13/18 11:35	12/19/18 09:20
40181246017	**B-7, 18'**	Solid	12/13/18 11:45	12/19/18 09:20
40181246018	**B-8, 14'**	Solid	12/13/18 12:20	12/19/18 09:20
40181246019	**B-8, 20'**	Solid	12/13/18 12:30	12/19/18 09:20
40181246020	**B-9, 9'**	Solid	12/13/18 13:15	12/19/18 09:20
40181246021	**B-9, 18'**	Solid	12/13/18 13:30	12/19/18 09:20
40181246022	**B-10, 5'**	Solid	12/13/18 13:45	12/19/18 09:20
40181246023	**B-10, 14'**	Solid	12/13/18 14:00	12/19/18 09:20

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: MILLERS
Pace Project No.: 40181246

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40181246001	**B-11, 8'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246002	**B-11, 17'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246003	**B-12, DEEP**	EPA 8260	HNW	64
40181246004	**B-12, SHALLOW**	EPA 8260	HNW	64
40181246005	**B-13, DEEP**	EPA 8260	HNW	64
40181246006	**B-13, SHALLOW**	EPA 8260	HNW	64
40181246007	**B-14, 3'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246008	**B-14, 10'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246009	**B-15**	EPA 8260	HNW	64
40181246010	**B-16**	EPA 8260	HNW	64
40181246011	**B-5-8'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246012	**B-5 16'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246013	**B-6, 10'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246014	**B-6, 15'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246015	**B-7, 10'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246016	**B-7, 15'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246017	**B-7, 18'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246018	**B-8, 14'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246019	**B-8, 20'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246020	**B-9, 9'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246021	**B-9, 18'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1
40181246022	**B-10, 5'**	EPA 8260	MDS	64

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SAMPLE ANALYTE COUNT

Project: MILLERS
Pace Project No.: 40181246

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	PCG	1
40181246023	**B-10, 14'**	EPA 8260	MDS	64
		ASTM D2974-87	PCG	1

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SUMMARY OF DETECTION

Project: MILLERS
Pace Project No.: 40181246

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40181246001	**B-11, 8'**					
ASTM D2974-87	Percent Moisture	22.4	%	0.10	12/26/18 14:26	
40181246002	**B-11, 17'**					
EPA 8260	Tetrachloroethene	916	ug/kg	74.1	12/26/18 10:52	
ASTM D2974-87	Percent Moisture	19.1	%	0.10	12/26/18 14:27	
40181246003	**B-12, DEEP**					
EPA 8260	cis-1,2-Dichloroethene	0.70J	ug/L	1.0	12/21/18 01:13	
EPA 8260	Ethylbenzene	0.34J	ug/L	1.0	12/21/18 01:13	
EPA 8260	Tetrachloroethene	17.2	ug/L	1.1	12/21/18 01:13	
EPA 8260	Toluene	2.6J	ug/L	5.0	12/21/18 01:13	
EPA 8260	Trichloroethene	0.32J	ug/L	1.0	12/21/18 01:13	
EPA 8260	m&p-Xylene	1.1J	ug/L	2.0	12/21/18 01:13	
EPA 8260	o-Xylene	0.51J	ug/L	1.0	12/21/18 01:13	
40181246004	**B-12, SHALLOW**					
EPA 8260	Tetrachloroethene	2.0	ug/L	1.1	12/21/18 01:34	
EPA 8260	Toluene	0.49J	ug/L	5.0	12/21/18 01:34	
40181246005	**B-13, DEEP**					
EPA 8260	cis-1,2-Dichloroethene	7.4	ug/L	2.0	12/20/18 12:34	
EPA 8260	Tetrachloroethene	151	ug/L	2.2	12/20/18 12:34	
EPA 8260	Toluene	1.3J	ug/L	10.0	12/20/18 12:34	
EPA 8260	Trichloroethene	3.1	ug/L	2.0	12/20/18 12:34	
40181246006	**B-13, SHALLOW**					
EPA 8260	cis-1,2-Dichloroethene	6.6	ug/L	2.0	12/20/18 14:00	
EPA 8260	Tetrachloroethene	137	ug/L	2.2	12/20/18 14:00	
EPA 8260	Toluene	1.4J	ug/L	10.0	12/20/18 14:00	
EPA 8260	Trichloroethene	2.7	ug/L	2.0	12/20/18 14:00	
40181246007	**B-14, 3'**					
ASTM D2974-87	Percent Moisture	20.6	%	0.10	12/26/18 14:28	
40181246008	**B-14, 10'**					
EPA 8260	Tetrachloroethene	61.2J	ug/kg	70.9	12/26/18 12:35	
ASTM D2974-87	Percent Moisture	15.4	%	0.10	12/26/18 14:28	
40181246009	**B-15**					
EPA 8260	Tetrachloroethene	0.95J	ug/L	1.1	12/21/18 01:56	
EPA 8260	Toluene	0.58J	ug/L	5.0	12/21/18 01:56	
40181246010	**B-16**					
EPA 8260	Toluene	0.26J	ug/L	5.0	12/21/18 02:17	
40181246011	**B-5-8'**					
EPA 8260	Tetrachloroethene	179	ug/kg	69.7	12/26/18 12:58	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	12/26/18 14:28	
40181246012	**B-5 16'**					
EPA 8260	Tetrachloroethene	416	ug/kg	73.4	12/24/18 19:41	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

SUMMARY OF DETECTION

Project: MILLERS
Pace Project No.: 40181246

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40181246012	**B-5 16'**					
ASTM D2974-87	Percent Moisture	18.3	%	0.10	12/26/18 14:28	
40181246013	**B-6, 10'**					
EPA 8260	Tetrachloroethene	107	ug/kg	68.5	12/26/18 13:20	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	12/26/18 14:28	
40181246014	**B-6, 15'**					
ASTM D2974-87	Percent Moisture	12.3	%	0.10	12/26/18 14:28	
40181246015	**B-7, 10'**					
EPA 8260	Tetrachloroethene	4680000	ug/kg	36400	12/24/18 21:34	
EPA 8260	Trichloroethene	16700J	ug/kg	36400	12/24/18 21:34	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	12/26/18 14:29	
40181246016	**B-7, 15'**					
EPA 8260	Tetrachloroethene	25800000	ug/kg	294000	12/24/18 21:57	
ASTM D2974-87	Percent Moisture	18.2	%	0.10	12/26/18 14:29	
40181246017	**B-7, 18'**					
EPA 8260	Tetrachloroethene	2450000	ug/kg	29600	12/21/18 15:08	
ASTM D2974-87	Percent Moisture	19.0	%	0.10	12/26/18 14:29	
40181246018	**B-8, 14'**					
EPA 8260	Tetrachloroethene	190	ug/kg	71.3	12/21/18 17:32	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	12/26/18 16:17	
40181246019	**B-8, 20'**					
EPA 8260	Tetrachloroethene	636	ug/kg	68.8	12/21/18 17:54	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	12/26/18 16:17	
40181246020	**B-9, 9'**					
EPA 8260	Tetrachloroethene	1110	ug/kg	67.2	12/24/18 18:56	
ASTM D2974-87	Percent Moisture	10.7	%	0.10	12/26/18 16:18	
40181246021	**B-9, 18'**					
EPA 8260	Tetrachloroethene	847	ug/kg	68.0	12/24/18 18:10	
ASTM D2974-87	Percent Moisture	11.7	%	0.10	12/26/18 16:18	
40181246022	**B-10, 5'**					
EPA 8260	Tetrachloroethene	81.4	ug/kg	77.0	12/21/18 18:40	
ASTM D2974-87	Percent Moisture	22.0	%	0.10	12/26/18 16:18	
40181246023	**B-10, 14'**					
EPA 8260	Tetrachloroethene	38.1J	ug/kg	74.0	12/24/18 16:40	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	12/26/18 15:33	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-11, 8' **Lab ID: 40181246001** Collected: 12/13/18 14:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/24/18 16:17	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/24/18 16:17	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/24/18 16:17	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/24/18 16:17	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/24/18 16:17	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-11, 8' **Lab ID: 40181246001** Collected: 12/13/18 14:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/24/18 16:17	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/24/18 16:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-148		1	12/20/18 08:15	12/24/18 16:17	1868-53-7	
Toluene-d8 (S)	86	%	58-142		1	12/20/18 08:15	12/24/18 16:17	2037-26-5	
4-Bromofluorobenzene (S)	78	%	48-130		1	12/20/18 08:15	12/24/18 16:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.4**	%	0.10	0.10	1		12/26/18 14:26		

Sample: B-11, 17' **Lab ID: 40181246002** Collected: 12/13/18 15:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 10:52	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 10:52	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 10:52	67-66-3	W

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-11, 17' **Lab ID: 40181246002** Collected: 12/13/18 15:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 10:52	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 10:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	79-34-5	W
Tetrachloroethene	**916**	ug/kg	74.1	30.9	1	12/20/18 08:45	12/26/18 10:52	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 10:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	108-67-8	W

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(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-11, 17' **Lab ID: 40181246002** Collected: 12/13/18 15:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 10:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 10:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	12/20/18 08:45	12/26/18 10:52	1868-53-7	
Toluene-d8 (S)	93	%	58-142		1	12/20/18 08:45	12/26/18 10:52	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		1	12/20/18 08:45	12/26/18 10:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.1**	%	0.10	0.10	1		12/26/18 14:27		

Sample: B-12, DEEP **Lab ID: 40181246003** Collected: 12/14/18 10:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/21/18 01:13	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		12/21/18 01:13	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/21/18 01:13	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/21/18 01:13	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/21/18 01:13	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:13	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		12/21/18 01:13	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		12/21/18 01:13	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:13	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:13	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:13	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:13	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/21/18 01:13	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		12/21/18 01:13	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		12/21/18 01:13	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		12/21/18 01:13	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		12/21/18 01:13	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:13	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:13	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:13	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		12/21/18 01:13	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:13	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		12/21/18 01:13	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:13	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:13	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:13	75-35-4	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-12, DEEP **Lab ID: 40181246003** Collected: 12/14/18 10:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	**0.70J**	ug/L	1.0	0.27	1		12/21/18 01:13	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/21/18 01:13	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:13	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:13	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		12/21/18 01:13	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		12/21/18 01:13	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		12/21/18 01:13	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		12/21/18 01:13	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		12/21/18 01:13	108-20-3	
Ethylbenzene	**0.34J**	ug/L	1.0	0.22	1		12/21/18 01:13	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:13	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		12/21/18 01:13	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		12/21/18 01:13	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		12/21/18 01:13	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		12/21/18 01:13	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:13	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		12/21/18 01:13	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		12/21/18 01:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:13	79-34-5	
Tetrachloroethene	**17.2**	ug/L	1.1	0.33	1		12/21/18 01:13	127-18-4	
Toluene	**2.6J**	ug/L	5.0	0.17	1		12/21/18 01:13	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		12/21/18 01:13	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		12/21/18 01:13	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:13	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/21/18 01:13	79-00-5	
Trichloroethene	**0.32J**	ug/L	1.0	0.26	1		12/21/18 01:13	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		12/21/18 01:13	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		12/21/18 01:13	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		12/21/18 01:13	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		12/21/18 01:13	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:13	75-01-4	
m&p-Xylene	**1.1J**	ug/L	2.0	0.47	1		12/21/18 01:13	179601-23-1	
o-Xylene	**0.51J**	ug/L	1.0	0.26	1		12/21/18 01:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/21/18 01:13	460-00-4	pH
Dibromofluoromethane (S)	97	%	70-130		1		12/21/18 01:13	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/21/18 01:13	2037-26-5	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-12, SHALLOW **Lab ID: 40181246004** Collected: 12/14/18 10:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/21/18 01:34	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		12/21/18 01:34	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/21/18 01:34	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/21/18 01:34	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/21/18 01:34	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:34	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		12/21/18 01:34	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		12/21/18 01:34	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:34	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:34	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:34	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:34	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/21/18 01:34	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		12/21/18 01:34	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		12/21/18 01:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		12/21/18 01:34	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		12/21/18 01:34	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:34	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:34	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:34	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		12/21/18 01:34	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:34	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		12/21/18 01:34	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:34	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:34	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:34	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:34	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/21/18 01:34	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:34	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:34	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		12/21/18 01:34	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		12/21/18 01:34	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		12/21/18 01:34	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		12/21/18 01:34	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		12/21/18 01:34	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		12/21/18 01:34	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:34	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		12/21/18 01:34	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		12/21/18 01:34	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		12/21/18 01:34	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		12/21/18 01:34	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:34	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		12/21/18 01:34	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		12/21/18 01:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:34	630-20-6	

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(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-12, SHALLOW **Lab ID: 40181246004** Collected: 12/14/18 10:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:34	79-34-5	
Tetrachloroethene	**2.0**	ug/L	1.1	0.33	1		12/21/18 01:34	127-18-4	
Toluene	**0.49J**	ug/L	5.0	0.17	1		12/21/18 01:34	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		12/21/18 01:34	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		12/21/18 01:34	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:34	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/21/18 01:34	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 01:34	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		12/21/18 01:34	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		12/21/18 01:34	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		12/21/18 01:34	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		12/21/18 01:34	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:34	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		12/21/18 01:34	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 01:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/21/18 01:34	460-00-4	pH
Dibromofluoromethane (S)	99	%	70-130		1		12/21/18 01:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/21/18 01:34	2037-26-5	

Sample: B-13, DEEP **Lab ID: 40181246005** Collected: 12/14/18 10:45 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.49**	ug/L	2.0	0.49	2		12/20/18 12:34	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		12/20/18 12:34	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		12/20/18 12:34	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		12/20/18 12:34	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		12/20/18 12:34	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		12/20/18 12:34	74-83-9	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 12:34	104-51-8	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		12/20/18 12:34	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		12/20/18 12:34	98-06-6	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		12/20/18 12:34	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 12:34	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		12/20/18 12:34	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		12/20/18 12:34	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		12/20/18 12:34	74-87-3	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		12/20/18 12:34	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		12/20/18 12:34	106-43-4	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		12/20/18 12:34	96-12-8	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		12/20/18 12:34	124-48-1	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		12/20/18 12:34	106-93-4	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-13, DEEP **Lab ID: 40181246005** Collected: 12/14/18 10:45 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		12/20/18 12:34	74-95-3	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 12:34	95-50-1	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		12/20/18 12:34	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		12/20/18 12:34	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		12/20/18 12:34	75-71-8	
1,1-Dichloroethane	**<0.55**	ug/L	2.0	0.55	2		12/20/18 12:34	75-34-3	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/20/18 12:34	107-06-2	
1,1-Dichloroethene	**<0.49**	ug/L	2.0	0.49	2		12/20/18 12:34	75-35-4	
cis-1,2-Dichloroethene	**7.4**	ug/L	2.0	0.54	2		12/20/18 12:34	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/20/18 12:34	156-60-5	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		12/20/18 12:34	78-87-5	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		12/20/18 12:34	142-28-9	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		12/20/18 12:34	594-20-7	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		12/20/18 12:34	563-58-6	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		12/20/18 12:34	10061-01-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		12/20/18 12:34	10061-02-6	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		12/20/18 12:34	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		12/20/18 12:34	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		12/20/18 12:34	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		12/20/18 12:34	98-82-8	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		12/20/18 12:34	99-87-6	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		12/20/18 12:34	75-09-2	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		12/20/18 12:34	1634-04-4	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		12/20/18 12:34	91-20-3	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		12/20/18 12:34	103-65-1	
Styrene	**<0.93**	ug/L	3.1	0.93	2		12/20/18 12:34	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		12/20/18 12:34	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		12/20/18 12:34	79-34-5	
Tetrachloroethene	**151**	ug/L	2.2	0.65	2		12/20/18 12:34	127-18-4	
Toluene	**1.3J**	ug/L	10.0	0.34	2		12/20/18 12:34	108-88-3	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		12/20/18 12:34	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		12/20/18 12:34	120-82-1	
1,1,1-Trichloroethane	**<0.49**	ug/L	2.0	0.49	2		12/20/18 12:34	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/20/18 12:34	79-00-5	
Trichloroethene	**3.1**	ug/L	2.0	0.51	2		12/20/18 12:34	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		12/20/18 12:34	75-69-4	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		12/20/18 12:34	96-18-4	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		12/20/18 12:34	95-63-6	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		12/20/18 12:34	108-67-8	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/20/18 12:34	75-01-4	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		12/20/18 12:34	179601-23-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		12/20/18 12:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		12/20/18 12:34	460-00-4	HS,pH
Dibromofluoromethane (S)	95	%	70-130		2		12/20/18 12:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		12/20/18 12:34	2037-26-5	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-13, SHALLOW **Lab ID: 40181246006** Collected: 12/14/18 11:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.49**	ug/L	2.0	0.49	2		12/20/18 14:00	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		12/20/18 14:00	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		12/20/18 14:00	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		12/20/18 14:00	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		12/20/18 14:00	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		12/20/18 14:00	74-83-9	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 14:00	104-51-8	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		12/20/18 14:00	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		12/20/18 14:00	98-06-6	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		12/20/18 14:00	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 14:00	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		12/20/18 14:00	75-00-3	
Chloroform	**<2.5**	ug/L	10.0	2.5	2		12/20/18 14:00	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		12/20/18 14:00	74-87-3	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		12/20/18 14:00	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		12/20/18 14:00	106-43-4	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		12/20/18 14:00	96-12-8	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		12/20/18 14:00	124-48-1	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		12/20/18 14:00	106-93-4	
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		12/20/18 14:00	74-95-3	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		12/20/18 14:00	95-50-1	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		12/20/18 14:00	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		12/20/18 14:00	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		12/20/18 14:00	75-71-8	
1,1-Dichloroethane	**<0.55**	ug/L	2.0	0.55	2		12/20/18 14:00	75-34-3	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		12/20/18 14:00	107-06-2	
1,1-Dichloroethene	**<0.49**	ug/L	2.0	0.49	2		12/20/18 14:00	75-35-4	
cis-1,2-Dichloroethene	**6.6**	ug/L	2.0	0.54	2		12/20/18 14:00	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		12/20/18 14:00	156-60-5	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		12/20/18 14:00	78-87-5	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		12/20/18 14:00	142-28-9	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		12/20/18 14:00	594-20-7	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		12/20/18 14:00	563-58-6	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		12/20/18 14:00	10061-01-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		12/20/18 14:00	10061-02-6	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		12/20/18 14:00	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		12/20/18 14:00	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		12/20/18 14:00	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		12/20/18 14:00	98-82-8	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		12/20/18 14:00	99-87-6	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		12/20/18 14:00	75-09-2	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		12/20/18 14:00	1634-04-4	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		12/20/18 14:00	91-20-3	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		12/20/18 14:00	103-65-1	
Styrene	**<0.93**	ug/L	3.1	0.93	2		12/20/18 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		12/20/18 14:00	630-20-6	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-13, SHALLOW **Lab ID: 40181246006** Collected: 12/14/18 11:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		12/20/18 14:00	79-34-5	
Tetrachloroethene	**137**	ug/L	2.2	0.65	2		12/20/18 14:00	127-18-4	
Toluene	**1.4J**	ug/L	10.0	0.34	2		12/20/18 14:00	108-88-3	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		12/20/18 14:00	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		12/20/18 14:00	120-82-1	
1,1,1-Trichloroethane	**<0.49**	ug/L	2.0	0.49	2		12/20/18 14:00	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		12/20/18 14:00	79-00-5	
Trichloroethene	**2.7**	ug/L	2.0	0.51	2		12/20/18 14:00	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		12/20/18 14:00	75-69-4	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		12/20/18 14:00	96-18-4	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		12/20/18 14:00	95-63-6	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		12/20/18 14:00	108-67-8	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		12/20/18 14:00	75-01-4	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		12/20/18 14:00	179601-23-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		12/20/18 14:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		12/20/18 14:00	460-00-4	HS,pH
Dibromofluoromethane (S)	97	%	70-130		2		12/20/18 14:00	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		12/20/18 14:00	2037-26-5	

Sample: B-14, 3' **Lab ID: 40181246007** Collected: 12/14/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 12:13	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 12:13	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 12:13	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 12:13	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	124-48-1	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-14, 3' **Lab ID: 40181246007** Collected: 12/14/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 12:13	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 12:13	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 12:13	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:13	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	57-148		1	12/20/18 08:45	12/26/18 12:13	1868-53-7	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-14, 3' **Lab ID: 40181246007** Collected: 12/14/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Surrogates									
Toluene-d8 (S)	106	%	58-142		1	12/20/18 08:45	12/26/18 12:13	2037-26-5	
4-Bromofluorobenzene (S)	103	%	48-130		1	12/20/18 08:45	12/26/18 12:13	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.6**	%	0.10	0.10	1		12/26/18 14:28		

Sample: B-14, 10' **Lab ID: 40181246008** Collected: 12/14/18 11:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 12:35	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 12:35	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 12:35	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 12:35	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	78-87-5	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-14, 10' **Lab ID: 40181246008** Collected: 12/14/18 11:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 12:35	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	79-34-5	W
Tetrachloroethene	**61.2J**	ug/kg	70.9	29.5	1	12/20/18 08:45	12/26/18 12:35	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 12:35	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 12:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-148		1	12/20/18 08:45	12/26/18 12:35	1868-53-7	
Toluene-d8 (S)	100	%	58-142		1	12/20/18 08:45	12/26/18 12:35	2037-26-5	
4-Bromofluorobenzene (S)	97	%	48-130		1	12/20/18 08:45	12/26/18 12:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		12/26/18 14:28		

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-15 **Lab ID: 40181246009** Collected: 12/14/18 13:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/21/18 01:56	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:56	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		12/21/18 01:56	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/21/18 01:56	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/21/18 01:56	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/21/18 01:56	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:56	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		12/21/18 01:56	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		12/21/18 01:56	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:56	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:56	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:56	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/21/18 01:56	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/21/18 01:56	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		12/21/18 01:56	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		12/21/18 01:56	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		12/21/18 01:56	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		12/21/18 01:56	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:56	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:56	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 01:56	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		12/21/18 01:56	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		12/21/18 01:56	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		12/21/18 01:56	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:56	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:56	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:56	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:56	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/21/18 01:56	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:56	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		12/21/18 01:56	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		12/21/18 01:56	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		12/21/18 01:56	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		12/21/18 01:56	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		12/21/18 01:56	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		12/21/18 01:56	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		12/21/18 01:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:56	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		12/21/18 01:56	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		12/21/18 01:56	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		12/21/18 01:56	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		12/21/18 01:56	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 01:56	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		12/21/18 01:56	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		12/21/18 01:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 01:56	630-20-6	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-15 **Lab ID: 40181246009** Collected: 12/14/18 13:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 01:56	79-34-5	
Tetrachloroethene	**0.95J**	ug/L	1.1	0.33	1		12/21/18 01:56	127-18-4	
Toluene	**0.58J**	ug/L	5.0	0.17	1		12/21/18 01:56	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		12/21/18 01:56	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		12/21/18 01:56	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/21/18 01:56	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/21/18 01:56	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 01:56	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		12/21/18 01:56	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		12/21/18 01:56	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		12/21/18 01:56	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		12/21/18 01:56	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 01:56	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		12/21/18 01:56	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 01:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/21/18 01:56	460-00-4	pH
Dibromofluoromethane (S)	97	%	70-130		1		12/21/18 01:56	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		12/21/18 01:56	2037-26-5	

Sample: B-16 **Lab ID: 40181246010** Collected: 12/14/18 14:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		12/21/18 02:17	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 02:17	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		12/21/18 02:17	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		12/21/18 02:17	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		12/21/18 02:17	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		12/21/18 02:17	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 02:17	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		12/21/18 02:17	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		12/21/18 02:17	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 02:17	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 02:17	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		12/21/18 02:17	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		12/21/18 02:17	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		12/21/18 02:17	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		12/21/18 02:17	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		12/21/18 02:17	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		12/21/18 02:17	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		12/21/18 02:17	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		12/21/18 02:17	106-93-4	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-16 **Lab ID: 40181246010** Collected: 12/14/18 14:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		12/21/18 02:17	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		12/21/18 02:17	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		12/21/18 02:17	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		12/21/18 02:17	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		12/21/18 02:17	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 02:17	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 02:17	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		12/21/18 02:17	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		12/21/18 02:17	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		12/21/18 02:17	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 02:17	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		12/21/18 02:17	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		12/21/18 02:17	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		12/21/18 02:17	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		12/21/18 02:17	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		12/21/18 02:17	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		12/21/18 02:17	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		12/21/18 02:17	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 02:17	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		12/21/18 02:17	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		12/21/18 02:17	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		12/21/18 02:17	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		12/21/18 02:17	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		12/21/18 02:17	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		12/21/18 02:17	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		12/21/18 02:17	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		12/21/18 02:17	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		12/21/18 02:17	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		12/21/18 02:17	127-18-4	
Toluene	**0.26J**	ug/L	5.0	0.17	1		12/21/18 02:17	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		12/21/18 02:17	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		12/21/18 02:17	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		12/21/18 02:17	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		12/21/18 02:17	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 02:17	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		12/21/18 02:17	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		12/21/18 02:17	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		12/21/18 02:17	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		12/21/18 02:17	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		12/21/18 02:17	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		12/21/18 02:17	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		12/21/18 02:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		12/21/18 02:17	460-00-4	pH
Dibromofluoromethane (S)	97	%	70-130		1		12/21/18 02:17	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/21/18 02:17	2037-26-5	

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-5-8' **Lab ID: 40181246011** Collected: 12/13/18 10:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 12:58	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 12:58	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 12:58	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 12:58	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 12:58	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	100-42-5	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-5-8' **Lab ID: 40181246011** Collected: 12/13/18 10:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	79-34-5	W
Tetrachloroethene	**179**	ug/kg	69.7	29.0	1	12/20/18 08:45	12/26/18 12:58	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 12:58	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 12:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 12:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	57-148		1	12/20/18 08:45	12/26/18 12:58	1868-53-7	
Toluene-d8 (S)	103	%	58-142		1	12/20/18 08:45	12/26/18 12:58	2037-26-5	
4-Bromofluorobenzene (S)	99	%	48-130		1	12/20/18 08:45	12/26/18 12:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		12/26/18 14:28		

Sample: B-5 16' **Lab ID: 40181246012** Collected: 12/13/18 10:15 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/24/18 19:41	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/24/18 19:41	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/24/18 19:41	67-66-3	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-5 16' **Lab ID: 40181246012** Collected: 12/13/18 10:15 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/24/18 19:41	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/24/18 19:41	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	79-34-5	W
Tetrachloroethene	**416**	ug/kg	73.4	30.6	1	12/20/18 08:45	12/24/18 19:41	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/24/18 19:41	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	108-67-8	W

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-5 16' **Lab ID: 40181246012** Collected: 12/13/18 10:15 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/24/18 19:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/24/18 19:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-148		1	12/20/18 08:45	12/24/18 19:41	1868-53-7	
Toluene-d8 (S)	83	%	58-142		1	12/20/18 08:45	12/24/18 19:41	2037-26-5	
4-Bromofluorobenzene (S)	72	%	48-130		1	12/20/18 08:45	12/24/18 19:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		12/26/18 14:28		

Sample: B-6, 10' **Lab ID: 40181246013** Collected: 12/13/18 11:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 13:20	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 13:20	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 13:20	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 13:20	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	107-06-2	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-6, 10' **Lab ID: 40181246013** Collected: 12/13/18 11:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 13:20	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	79-34-5	W
Tetrachloroethene	**107**	ug/kg	68.5	28.5	1	12/20/18 08:45	12/26/18 13:20	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 13:20	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 13:20	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-148		1	12/20/18 08:45	12/26/18 13:20	1868-53-7	
Toluene-d8 (S)	94	%	58-142		1	12/20/18 08:45	12/26/18 13:20	2037-26-5	
4-Bromofluorobenzene (S)	90	%	48-130		1	12/20/18 08:45	12/26/18 13:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		12/26/18 14:28		

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-6, 15' **Lab ID: 40181246014** Collected: 12/13/18 11:10 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:45	12/26/18 13:43	74-83-9	L1,W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:45	12/26/18 13:43	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:45	12/26/18 13:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:45	12/26/18 13:43	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:45	12/26/18 13:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	100-42-5	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-6, 15' **Lab ID: 40181246014** Collected: 12/13/18 11:10 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:45	12/26/18 13:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:45	12/26/18 13:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:45	12/26/18 13:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-148		1	12/20/18 08:45	12/26/18 13:43	1868-53-7	
Toluene-d8 (S)	92	%	58-142		1	12/20/18 08:45	12/26/18 13:43	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		1	12/20/18 08:45	12/26/18 13:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		12/26/18 14:28		

Sample: B-7, 10' **Lab ID: 40181246015** Collected: 12/13/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	71-43-2	W
Bromobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	108-86-1	W
Bromochloromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	74-97-5	W
Bromodichloromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-27-4	W
Bromoform	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-25-2	W
Bromomethane	**<35000**	ug/kg	125000	35000	500	12/20/18 08:45	12/24/18 21:34	74-83-9	L1,W
n-Butylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	104-51-8	W
sec-Butylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	135-98-8	W
tert-Butylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	98-06-6	W
Carbon tetrachloride	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	56-23-5	W
Chlorobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	108-90-7	W
Chloroethane	**<33500**	ug/kg	125000	33500	500	12/20/18 08:45	12/24/18 21:34	75-00-3	W
Chloroform	**<23200**	ug/kg	125000	23200	500	12/20/18 08:45	12/24/18 21:34	67-66-3	W

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-7, 10' **Lab ID: 40181246015** Collected: 12/13/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	74-87-3	W
2-Chlorotoluene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	95-49-8	W
4-Chlorotoluene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<45600**	ug/kg	125000	45600	500	12/20/18 08:45	12/24/18 21:34	96-12-8	W
Dibromochloromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	106-93-4	W
Dibromomethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	74-95-3	W
1,2-Dichlorobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	95-50-1	W
1,3-Dichlorobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	541-73-1	W
1,4-Dichlorobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	106-46-7	W
Dichlorodifluoromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-71-8	W
1,1-Dichloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-34-3	W
1,2-Dichloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	107-06-2	W
1,1-Dichloroethene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-35-4	W
cis-1,2-Dichloroethene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	156-59-2	W
trans-1,2-Dichloroethene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	156-60-5	W
1,2-Dichloropropane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	78-87-5	W
1,3-Dichloropropane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	142-28-9	W
2,2-Dichloropropane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	594-20-7	W
1,1-Dichloropropene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	563-58-6	W
cis-1,3-Dichloropropene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	10061-01-5	W
trans-1,3-Dichloropropene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	10061-02-6	W
Diisopropyl ether	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	108-20-3	W
Ethylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	100-41-4	W
Hexachloro-1,3-butadiene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	87-68-3	W
Isopropylbenzene (Cumene)	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	98-82-8	W
p-Isopropyltoluene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	99-87-6	W
Methylene Chloride	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-09-2	W
Methyl-tert-butyl ether	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	1634-04-4	W
Naphthalene	**<20000**	ug/kg	125000	20000	500	12/20/18 08:45	12/24/18 21:34	91-20-3	W
n-Propylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	103-65-1	W
Styrene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	100-42-5	W
1,1,1,2-Tetrachloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	79-34-5	W
Tetrachloroethene	**4680000**	ug/kg	36400	15200	500	12/20/18 08:45	12/24/18 21:34	127-18-4	
Toluene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	108-88-3	W
1,2,3-Trichlorobenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	87-61-6	W
1,2,4-Trichlorobenzene	**<23800**	ug/kg	125000	23800	500	12/20/18 08:45	12/24/18 21:34	120-82-1	W
1,1,1-Trichloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	71-55-6	W
1,1,2-Trichloroethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	79-00-5	W
Trichloroethene	**16700J**	ug/kg	36400	15200	500	12/20/18 08:45	12/24/18 21:34	79-01-6	
Trichlorofluoromethane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-69-4	W
1,2,3-Trichloropropane	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	96-18-4	W
1,2,4-Trimethylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	95-63-6	W
1,3,5-Trimethylbenzene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	108-67-8	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-7, 10' **Lab ID: 40181246015** Collected: 12/13/18 11:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	75-01-4	W
m&p-Xylene	**<25000**	ug/kg	60000	25000	500	12/20/18 08:45	12/24/18 21:34	179601-23-1	W
o-Xylene	**<12500**	ug/kg	30000	12500	500	12/20/18 08:45	12/24/18 21:34	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		500	12/20/18 08:45	12/24/18 21:34	1868-53-7	S4
Toluene-d8 (S)	210	%	58-142		500	12/20/18 08:45	12/24/18 21:34	2037-26-5	S4
4-Bromofluorobenzene (S)	448	%	48-130		500	12/20/18 08:45	12/24/18 21:34	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.5**	%	0.10	0.10	1		12/26/18 14:29		

Sample: B-7, 15' **Lab ID: 40181246016** Collected: 12/13/18 11:35 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	71-43-2	W
Bromobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	108-86-1	W
Bromochloromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	74-97-5	W
Bromodichloromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-27-4	W
Bromoform	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-25-2	W
Bromomethane	**<280000**	ug/kg	1000000	280000	4000	12/20/18 08:15	12/24/18 21:57	74-83-9	W
n-Butylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	104-51-8	W
sec-Butylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	135-98-8	W
tert-Butylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	98-06-6	W
Carbon tetrachloride	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	56-23-5	W
Chlorobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	108-90-7	W
Chloroethane	**<268000**	ug/kg	1000000	268000	4000	12/20/18 08:15	12/24/18 21:57	75-00-3	W
Chloroform	**<186000**	ug/kg	1000000	186000	4000	12/20/18 08:15	12/24/18 21:57	67-66-3	W
Chloromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	74-87-3	W
2-Chlorotoluene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	95-49-8	W
4-Chlorotoluene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<365000**	ug/kg	1000000	365000	4000	12/20/18 08:15	12/24/18 21:57	96-12-8	W
Dibromochloromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	106-93-4	W
Dibromomethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	74-95-3	W
1,2-Dichlorobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	95-50-1	W
1,3-Dichlorobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	541-73-1	W
1,4-Dichlorobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	106-46-7	W
Dichlorodifluoromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-71-8	W
1,1-Dichloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-34-3	W
1,2-Dichloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	107-06-2	W

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-7, 15' **Lab ID: 40181246016** Collected: 12/13/18 11:35 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-35-4	W
cis-1,2-Dichloroethene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	156-59-2	W
trans-1,2-Dichloroethene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	156-60-5	W
1,2-Dichloropropane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	78-87-5	W
1,3-Dichloropropane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	142-28-9	W
2,2-Dichloropropane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	594-20-7	W
1,1-Dichloropropene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	563-58-6	W
cis-1,3-Dichloropropene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	10061-01-5	W
trans-1,3-Dichloropropene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	10061-02-6	W
Diisopropyl ether	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	108-20-3	W
Ethylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	100-41-4	W
Hexachloro-1,3-butadiene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	87-68-3	W
Isopropylbenzene (Cumene)	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	98-82-8	W
p-Isopropyltoluene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	99-87-6	W
Methylene Chloride	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-09-2	W
Methyl-tert-butyl ether	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	1634-04-4	W
Naphthalene	**<160000**	ug/kg	1000000	160000	4000	12/20/18 08:15	12/24/18 21:57	91-20-3	W
n-Propylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	103-65-1	W
Styrene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	100-42-5	W
1,1,1,2-Tetrachloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	79-34-5	W
Tetrachloroethene	**25800000**	ug/kg	294000	122000	4000	12/20/18 08:15	12/24/18 21:57	127-18-4	
Toluene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	108-88-3	W
1,2,3-Trichlorobenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	87-61-6	W
1,2,4-Trichlorobenzene	**<190000**	ug/kg	1000000	190000	4000	12/20/18 08:15	12/24/18 21:57	120-82-1	W
1,1,1-Trichloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	71-55-6	W
1,1,2-Trichloroethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	79-00-5	W
Trichloroethene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	79-01-6	W
Trichlorofluoromethane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-69-4	W
1,2,3-Trichloropropane	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	96-18-4	W
1,2,4-Trimethylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	95-63-6	W
1,3,5-Trimethylbenzene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	108-67-8	W
Vinyl chloride	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	75-01-4	W
m&p-Xylene	**<200000**	ug/kg	480000	200000	4000	12/20/18 08:15	12/24/18 21:57	179601-23-1	W
o-Xylene	**<100000**	ug/kg	240000	100000	4000	12/20/18 08:15	12/24/18 21:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		4000	12/20/18 08:15	12/24/18 21:57	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		4000	12/20/18 08:15	12/24/18 21:57	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		4000	12/20/18 08:15	12/24/18 21:57	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.2**	%	0.10	0.10	1		12/26/18 14:29		

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-7, 18' **Lab ID: 40181246017** Collected: 12/13/18 11:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	71-43-2	W
Bromobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	108-86-1	W
Bromochloromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	74-97-5	W
Bromodichloromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-27-4	W
Bromoform	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-25-2	W
Bromomethane	**<28000**	ug/kg	100000	28000	400	12/20/18 08:15	12/21/18 15:08	74-83-9	W
n-Butylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	104-51-8	W
sec-Butylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	135-98-8	W
tert-Butylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	98-06-6	W
Carbon tetrachloride	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	56-23-5	W
Chlorobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	108-90-7	W
Chloroethane	**<26800**	ug/kg	100000	26800	400	12/20/18 08:15	12/21/18 15:08	75-00-3	W
Chloroform	**<18600**	ug/kg	100000	18600	400	12/20/18 08:15	12/21/18 15:08	67-66-3	W
Chloromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	74-87-3	W
2-Chlorotoluene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	95-49-8	W
4-Chlorotoluene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	106-43-4	W
1,2-Dibromo-3-chloropropane	**<36500**	ug/kg	100000	36500	400	12/20/18 08:15	12/21/18 15:08	96-12-8	W
Dibromochloromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	124-48-1	W
1,2-Dibromoethane (EDB)	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	106-93-4	W
Dibromomethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	74-95-3	W
1,2-Dichlorobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	95-50-1	W
1,3-Dichlorobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	541-73-1	W
1,4-Dichlorobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	106-46-7	W
Dichlorodifluoromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-71-8	W
1,1-Dichloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-34-3	W
1,2-Dichloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	107-06-2	W
1,1-Dichloroethene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-35-4	W
cis-1,2-Dichloroethene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	156-59-2	W
trans-1,2-Dichloroethene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	156-60-5	W
1,2-Dichloropropane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	78-87-5	W
1,3-Dichloropropane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	142-28-9	W
2,2-Dichloropropane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	594-20-7	W
1,1-Dichloropropene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	563-58-6	W
cis-1,3-Dichloropropene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	10061-01-5	W
trans-1,3-Dichloropropene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	10061-02-6	W
Diisopropyl ether	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	108-20-3	W
Ethylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	100-41-4	W
Hexachloro-1,3-butadiene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	87-68-3	W
Isopropylbenzene (Cumene)	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	98-82-8	W
p-Isopropyltoluene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	99-87-6	W
Methylene Chloride	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-09-2	W
Methyl-tert-butyl ether	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	1634-04-4	W
Naphthalene	**<16000**	ug/kg	100000	16000	400	12/20/18 08:15	12/21/18 15:08	91-20-3	W
n-Propylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	103-65-1	W
Styrene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	100-42-5	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-7, 18' **Lab ID: 40181246017** Collected: 12/13/18 11:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	630-20-6	W
1,1,2,2-Tetrachloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	79-34-5	W
Tetrachloroethene	**2450000**	ug/kg	29600	12400	400	12/20/18 08:15	12/21/18 15:08	127-18-4	
Toluene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	108-88-3	W
1,2,3-Trichlorobenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	87-61-6	W
1,2,4-Trichlorobenzene	**<19000**	ug/kg	100000	19000	400	12/20/18 08:15	12/21/18 15:08	120-82-1	W
1,1,1-Trichloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	71-55-6	W
1,1,2-Trichloroethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	79-00-5	W
Trichloroethene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	79-01-6	W
Trichlorofluoromethane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-69-4	W
1,2,3-Trichloropropane	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	96-18-4	W
1,2,4-Trimethylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	95-63-6	W
1,3,5-Trimethylbenzene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	108-67-8	W
Vinyl chloride	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	75-01-4	W
m&p-Xylene	**<20000**	ug/kg	48000	20000	400	12/20/18 08:15	12/21/18 15:08	179601-23-1	W
o-Xylene	**<10000**	ug/kg	24000	10000	400	12/20/18 08:15	12/21/18 15:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		400	12/20/18 08:15	12/21/18 15:08	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		400	12/20/18 08:15	12/21/18 15:08	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		400	12/20/18 08:15	12/21/18 15:08	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.0**	%	0.10	0.10	1		12/26/18 14:29		

Sample: B-8, 14' **Lab ID: 40181246018** Collected: 12/13/18 12:20 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/21/18 17:32	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/21/18 17:32	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/21/18 17:32	67-66-3	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-8, 14' **Lab ID: 40181246018** Collected: 12/13/18 12:20 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/21/18 17:32	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/21/18 17:32	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	79-34-5	W
Tetrachloroethene	**190**	ug/kg	71.3	29.7	1	12/20/18 08:15	12/21/18 17:32	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/21/18 17:32	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	108-67-8	W

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-8, 14' **Lab ID: 40181246018** Collected: 12/13/18 12:20 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/21/18 17:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	57-148		1	12/20/18 08:15	12/21/18 17:32	1868-53-7	
Toluene-d8 (S)	99	%	58-142		1	12/20/18 08:15	12/21/18 17:32	2037-26-5	
4-Bromofluorobenzene (S)	88	%	48-130		1	12/20/18 08:15	12/21/18 17:32	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		12/26/18 16:17		

Sample: B-8, 20' **Lab ID: 40181246019** Collected: 12/13/18 12:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/21/18 17:54	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/21/18 17:54	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/21/18 17:54	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/21/18 17:54	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	107-06-2	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-8, 20' **Lab ID: 40181246019** Collected: 12/13/18 12:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/21/18 17:54	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	79-34-5	W
Tetrachloroethene	**636**	ug/kg	68.8	28.7	1	12/20/18 08:15	12/21/18 17:54	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/21/18 17:54	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/21/18 17:54	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 17:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	12/20/18 08:15	12/21/18 17:54	1868-53-7	
Toluene-d8 (S)	90	%	58-142		1	12/20/18 08:15	12/21/18 17:54	2037-26-5	
4-Bromofluorobenzene (S)	79	%	48-130		1	12/20/18 08:15	12/21/18 17:54	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.8**	%	0.10	0.10	1		12/26/18 16:17		

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(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-9, 9' **Lab ID: 40181246020** Collected: 12/13/18 13:15 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/24/18 18:56	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/24/18 18:56	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/24/18 18:56	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/24/18 18:56	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/24/18 18:56	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	100-42-5	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-9, 9' **Lab ID: 40181246020** Collected: 12/13/18 13:15 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	79-34-5	W
Tetrachloroethene	**1110**	ug/kg	67.2	28.0	1	12/20/18 08:15	12/24/18 18:56	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/24/18 18:56	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/24/18 18:56	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	146	%	57-148		1	12/20/18 08:15	12/24/18 18:56	1868-53-7	
Toluene-d8 (S)	131	%	58-142		1	12/20/18 08:15	12/24/18 18:56	2037-26-5	
4-Bromofluorobenzene (S)	121	%	48-130		1	12/20/18 08:15	12/24/18 18:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.7**	%	0.10	0.10	1		12/26/18 16:18		

Sample: B-9, 18' **Lab ID: 40181246021** Collected: 12/13/18 13:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/24/18 18:10	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/24/18 18:10	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/24/18 18:10	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-9, 18' **Lab ID: 40181246021** Collected: 12/13/18 13:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/24/18 18:10	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/24/18 18:10	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	79-34-5	W
Tetrachloroethene	**847**	ug/kg	68.0	28.3	1	12/20/18 08:15	12/24/18 18:10	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/24/18 18:10	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	108-67-8	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-9, 18' **Lab ID: 40181246021** Collected: 12/13/18 13:30 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/24/18 18:10	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 18:10	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	148	%	57-148		1	12/20/18 08:15	12/24/18 18:10	1868-53-7	
Toluene-d8 (S)	142	%	58-142		1	12/20/18 08:15	12/24/18 18:10	2037-26-5	
4-Bromofluorobenzene (S)	132	%	48-130		1	12/20/18 08:15	12/24/18 18:10	460-00-4	S1
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		12/26/18 16:18		

Sample: B-10, 5' **Lab ID: 40181246022** Collected: 12/13/18 13:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/21/18 18:40	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/21/18 18:40	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/21/18 18:40	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/21/18 18:40	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	107-06-2	W

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-10, 5' **Lab ID: 40181246022** Collected: 12/13/18 13:45 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/21/18 18:40	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	79-34-5	W
Tetrachloroethene	**81.4**	ug/kg	77.0	32.1	1	12/20/18 08:15	12/21/18 18:40	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/21/18 18:40	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/21/18 18:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/21/18 18:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	57-148		1	12/20/18 08:15	12/21/18 18:40	1868-53-7	
Toluene-d8 (S)	106	%	58-142		1	12/20/18 08:15	12/21/18 18:40	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-130		1	12/20/18 08:15	12/21/18 18:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.0**	%	0.10	0.10	1		12/26/18 16:18		

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ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-10, 14' **Lab ID: 40181246023** Collected: 12/13/18 14:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	12/20/18 08:15	12/24/18 16:40	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	12/20/18 08:15	12/24/18 16:40	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	12/20/18 08:15	12/24/18 16:40	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	12/20/18 08:15	12/24/18 16:40	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	12/20/18 08:15	12/24/18 16:40	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	100-42-5	W

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(920)469-2436

ANALYTICAL RESULTS

Project: MILLERS
Pace Project No.: 40181246

Sample: B-10, 14' **Lab ID: 40181246023** Collected: 12/13/18 14:00 Received: 12/19/18 09:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	79-34-5	W
Tetrachloroethene	**38.1J**	ug/kg	74.0	30.8	1	12/20/18 08:15	12/24/18 16:40	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	12/20/18 08:15	12/24/18 16:40	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/20/18 08:15	12/24/18 16:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/20/18 08:15	12/24/18 16:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	12/20/18 08:15	12/24/18 16:40	1868-53-7	
Toluene-d8 (S)	89	%	58-142		1	12/20/18 08:15	12/24/18 16:40	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		1	12/20/18 08:15	12/24/18 16:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.9**	%	0.10	0.10	1		12/26/18 15:33		

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 309775 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40181246001, 40181246016, 40181246017, 40181246018, 40181246019, 40181246020, 40181246021, 40181246022, 40181246023

METHOD BLANK: 1809184 Matrix: Solid
Associated Lab Samples: 40181246001, 40181246016, 40181246017, 40181246018, 40181246019, 40181246020, 40181246021, 40181246022, 40181246023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/21/18 08:47	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/21/18 08:47	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/21/18 08:47	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/21/18 08:47	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/21/18 08:47	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/21/18 08:47	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/21/18 08:47	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	12/21/18 08:47	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/21/18 08:47	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/21/18 08:47	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/21/18 08:47	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/21/18 08:47	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/21/18 08:47	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/21/18 08:47	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/21/18 08:47	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/21/18 08:47	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/21/18 08:47	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/21/18 08:47	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/21/18 08:47	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/21/18 08:47	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/21/18 08:47	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/21/18 08:47	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/21/18 08:47	
Benzene	ug/kg	<9.2	20.0	12/21/18 08:47	
Bromobenzene	ug/kg	<20.6	50.0	12/21/18 08:47	
Bromochloromethane	ug/kg	<21.4	50.0	12/21/18 08:47	
Bromodichloromethane	ug/kg	<9.8	50.0	12/21/18 08:47	
Bromoform	ug/kg	<19.8	50.0	12/21/18 08:47	
Bromomethane	ug/kg	<69.9	250	12/21/18 08:47	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/21/18 08:47	
Chlorobenzene	ug/kg	<14.8	50.0	12/21/18 08:47	
Chloroethane	ug/kg	<67.0	250	12/21/18 08:47	
Chloroform	ug/kg	<46.4	250	12/21/18 08:47	
Chloromethane	ug/kg	<20.4	50.0	12/21/18 08:47	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/21/18 08:47	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/21/18 08:47	
Dibromochloromethane	ug/kg	<17.9	50.0	12/21/18 08:47	
Dibromomethane	ug/kg	<19.3	50.0	12/21/18 08:47	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/21/18 08:47	
Diisopropyl ether	ug/kg	<17.7	50.0	12/21/18 08:47	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

METHOD BLANK: 1809184 Matrix: Solid

Associated Lab Samples: 40181246001, 40181246016, 40181246017, 40181246018, 40181246019, 40181246020, 40181246021, 40181246022, 40181246023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	12/21/18 08:47	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	12/21/18 08:47	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/21/18 08:47	
m&p-Xylene	ug/kg	<34.4	100	12/21/18 08:47	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/21/18 08:47	
Methylene Chloride	ug/kg	<16.2	50.0	12/21/18 08:47	
n-Butylbenzene	ug/kg	<10.5	50.0	12/21/18 08:47	
n-Propylbenzene	ug/kg	<11.6	50.0	12/21/18 08:47	
Naphthalene	ug/kg	<40.0	250	12/21/18 08:47	
o-Xylene	ug/kg	<14.0	50.0	12/21/18 08:47	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/21/18 08:47	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/21/18 08:47	
Styrene	ug/kg	<9.0	50.0	12/21/18 08:47	
tert-Butylbenzene	ug/kg	<9.5	50.0	12/21/18 08:47	
Tetrachloroethene	ug/kg	<12.9	50.0	12/21/18 08:47	
Toluene	ug/kg	<11.2	50.0	12/21/18 08:47	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/21/18 08:47	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/21/18 08:47	
Trichloroethene	ug/kg	<23.6	50.0	12/21/18 08:47	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/21/18 08:47	
Vinyl chloride	ug/kg	<21.1	50.0	12/21/18 08:47	
4-Bromofluorobenzene (S)	%	89	48-130	12/21/18 08:47	
Dibromofluoromethane (S)	%	109	57-148	12/21/18 08:47	
Toluene-d8 (S)	%	101	58-142	12/21/18 08:47	

LABORATORY CONTROL SAMPLE: 1809185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2620	105	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2740	110	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2830	113	70-130	
1,1-Dichloroethane	ug/kg	2500	2660	106	67-132	
1,1-Dichloroethene	ug/kg	2500	2490	100	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2500	100	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2650	106	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2610	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2610	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2760	110	65-137	
1,2-Dichloropropane	ug/kg	2500	2730	109	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2510	100	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2650	106	70-130	
Bromodichloromethane	ug/kg	2500	2780	111	70-130	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

LABORATORY CONTROL SAMPLE: 1809185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2450	98	57-117	
Bromomethane	ug/kg	2500	3310	132	48-135	
Carbon tetrachloride	ug/kg	2500	2720	109	65-133	
Chlorobenzene	ug/kg	2500	2640	106	70-130	
Chloroethane	ug/kg	2500	2770	111	37-165	
Chloroform	ug/kg	2500	2680	107	72-126	
Chloromethane	ug/kg	2500	2220	89	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2570	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2410	97	69-130	
Dibromochloromethane	ug/kg	2500	2810	112	68-130	
Dichlorodifluoromethane	ug/kg	2500	1680	67	22-100	
Ethylbenzene	ug/kg	2500	2710	108	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2690	107	70-130	
m&p-Xylene	ug/kg	5000	5510	110	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2600	104	66-129	
Methylene Chloride	ug/kg	2500	2490	100	68-129	
o-Xylene	ug/kg	2500	2750	110	70-130	
Styrene	ug/kg	2500	2520	101	70-130	
Tetrachloroethene	ug/kg	2500	2710	108	70-130	
Toluene	ug/kg	2500	2700	108	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2580	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2380	95	67-130	
Trichloroethene	ug/kg	2500	2750	110	70-130	
Trichlorofluoromethane	ug/kg	2500	2740	110	64-134	
Vinyl chloride	ug/kg	2500	2440	98	52-122	
4-Bromofluorobenzene (S)	%			101	48-130	
Dibromofluoromethane (S)	%			100	57-148	
Toluene-d8 (S)	%			98	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1809186 1809187

Parameter	Units	40181123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1250	1250	1270	1280	102	103	62-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1250	1250	1420	1200	113	96	64-137	17	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1250	1250	1280	1250	102	100	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1250	1250	1290	1300	103	104	65-132	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1250	1250	1270	1230	101	99	50-128	3	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1250	1250	1400	1320	112	105	51-148	6	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1250	1250	1370	1150	110	92	43-134	18	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1250	1250	1190	1140	95	91	70-130	4	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1250	1250	1390	1240	111	99	70-130	11	20	
1,2-Dichloroethane	ug/kg	<25.0	1250	1250	1320	1240	105	99	65-139	6	20	
1,2-Dichloropropane	ug/kg	<25.0	1250	1250	1220	1220	97	98	74-128	0	20	

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1809186 1809187

Parameter	Units	40181123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/kg	<25.0	1250	1250	1360	1200	109	96	70-130	12	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1250	1250	1320	1290	106	103	70-130	3	20	
Benzene	ug/kg	<25.0	1250	1250	1270	1230	102	98	66-132	4	20	
Bromodichloromethane	ug/kg	<25.0	1250	1250	1270	1260	101	101	69-130	1	20	
Bromoform	ug/kg	<25.0	1250	1250	1170	1110	94	89	57-130	5	20	
Bromomethane	ug/kg	<69.9	1250	1250	1600	1650	128	132	34-145	3	20	
Carbon tetrachloride	ug/kg	<25.0	1250	1250	1320	1300	105	104	54-133	2	20	
Chlorobenzene	ug/kg	<25.0	1250	1250	1280	1230	103	98	70-130	4	20	
Chloroethane	ug/kg	<67.0	1250	1250	1440	1500	115	120	33-165	4	20	
Chloroform	ug/kg	<46.4	1250	1250	1320	1270	105	102	72-128	4	20	
Chloromethane	ug/kg	<25.0	1250	1250	1170	1100	93	88	20-120	6	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1230	1240	99	100	69-130	1	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1130	1120	91	89	65-130	1	20	
Dibromochloromethane	ug/kg	<25.0	1250	1250	1260	1170	101	93	65-130	8	20	
Dichlorodifluoromethane	ug/kg	<25.0	1250	1250	934	718	75	57	10-109	26	29	
Ethylbenzene	ug/kg	<25.0	1250	1250	1230	1190	98	95	63-127	3	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1250	1250	1310	1210	105	97	66-130	7	20	
m&p-Xylene	ug/kg	<50.0	2500	2500	2530	2500	101	100	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1250	1250	1240	1140	99	91	62-135	9	20	
Methylene Chloride	ug/kg	<25.0	1250	1250	1250	1230	100	98	68-129	2	20	
o-Xylene	ug/kg	<25.0	1250	1250	1270	1200	101	96	69-130	6	20	
Styrene	ug/kg	<25.0	1250	1250	1180	1120	94	90	70-130	5	20	
Tetrachloroethene	ug/kg	<25.0	1250	1250	1270	1280	101	103	70-130	1	20	
Toluene	ug/kg	<25.0	1250	1250	1280	1250	102	100	80-123	2	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1250	1250	1300	1300	104	104	70-130	0	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1250	1250	1120	1060	89	84	67-130	6	20	
Trichloroethene	ug/kg	<25.0	1250	1250	1240	1320	99	106	70-130	6	20	
Trichlorofluoromethane	ug/kg	<25.0	1250	1250	1350	1300	108	104	41-134	3	26	
Vinyl chloride	ug/kg	<25.0	1250	1250	1310	1180	104	95	39-122	10	20	
4-Bromofluorobenzene (S)	%						98	95	48-130			
Dibromofluoromethane (S)	%						101	99	57-148			
Toluene-d8 (S)	%						97	93	58-142			

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 309797 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40181246002, 40181246007, 40181246008, 40181246011, 40181246012, 40181246013, 40181246014, 40181246015

METHOD BLANK: 1809242 Matrix: Solid
Associated Lab Samples: 40181246002, 40181246007, 40181246008, 40181246011, 40181246012, 40181246013, 40181246014, 40181246015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	12/24/18 09:53	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	12/24/18 09:53	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	12/24/18 09:53	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	12/24/18 09:53	
1,1-Dichloroethane	ug/kg	<17.6	50.0	12/24/18 09:53	
1,1-Dichloroethene	ug/kg	<17.6	50.0	12/24/18 09:53	
1,1-Dichloropropene	ug/kg	<14.0	50.0	12/24/18 09:53	
1,2,3-Trichlorobenzene	ug/kg	30.5J	50.0	12/24/18 09:53	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	12/24/18 09:53	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	12/24/18 09:53	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	12/24/18 09:53	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	12/24/18 09:53	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	12/24/18 09:53	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	12/24/18 09:53	
1,2-Dichloroethane	ug/kg	<15.0	50.0	12/24/18 09:53	
1,2-Dichloropropane	ug/kg	<16.8	50.0	12/24/18 09:53	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	12/24/18 09:53	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	12/24/18 09:53	
1,3-Dichloropropane	ug/kg	<12.0	50.0	12/24/18 09:53	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	12/24/18 09:53	
2,2-Dichloropropane	ug/kg	<12.6	50.0	12/24/18 09:53	
2-Chlorotoluene	ug/kg	<15.8	50.0	12/24/18 09:53	
4-Chlorotoluene	ug/kg	<13.0	50.0	12/24/18 09:53	
Benzene	ug/kg	<9.2	20.0	12/24/18 09:53	
Bromobenzene	ug/kg	<20.6	50.0	12/24/18 09:53	
Bromochloromethane	ug/kg	<21.4	50.0	12/24/18 09:53	
Bromodichloromethane	ug/kg	<9.8	50.0	12/24/18 09:53	
Bromoform	ug/kg	<19.8	50.0	12/24/18 09:53	
Bromomethane	ug/kg	<69.9	250	12/24/18 09:53	
Carbon tetrachloride	ug/kg	<12.1	50.0	12/24/18 09:53	
Chlorobenzene	ug/kg	<14.8	50.0	12/24/18 09:53	
Chloroethane	ug/kg	<67.0	250	12/24/18 09:53	
Chloroform	ug/kg	<46.4	250	12/24/18 09:53	
Chloromethane	ug/kg	<20.4	50.0	12/24/18 09:53	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	12/24/18 09:53	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	12/24/18 09:53	
Dibromochloromethane	ug/kg	<17.9	50.0	12/24/18 09:53	
Dibromomethane	ug/kg	<19.3	50.0	12/24/18 09:53	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	12/24/18 09:53	
Diisopropyl ether	ug/kg	<17.7	50.0	12/24/18 09:53	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

METHOD BLANK: 1809242 Matrix: Solid
Associated Lab Samples: 40181246002, 40181246007, 40181246008, 40181246011, 40181246012, 40181246013, 40181246014, 40181246015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	12/24/18 09:53	
Hexachloro-1,3-butadiene	ug/kg	38.6J	50.0	12/24/18 09:53	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	12/24/18 09:53	
m&p-Xylene	ug/kg	<34.4	100	12/24/18 09:53	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	12/24/18 09:53	
Methylene Chloride	ug/kg	<16.2	50.0	12/24/18 09:53	
n-Butylbenzene	ug/kg	15.1J	50.0	12/24/18 09:53	
n-Propylbenzene	ug/kg	<11.6	50.0	12/24/18 09:53	
Naphthalene	ug/kg	<40.0	250	12/24/18 09:53	
o-Xylene	ug/kg	<14.0	50.0	12/24/18 09:53	
p-Isopropyltoluene	ug/kg	<12.0	50.0	12/24/18 09:53	
sec-Butylbenzene	ug/kg	<11.9	50.0	12/24/18 09:53	
Styrene	ug/kg	<9.0	50.0	12/24/18 09:53	
tert-Butylbenzene	ug/kg	11.0J	50.0	12/24/18 09:53	
Tetrachloroethene	ug/kg	<12.9	50.0	12/24/18 09:53	
Toluene	ug/kg	<11.2	50.0	12/24/18 09:53	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	12/24/18 09:53	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	12/24/18 09:53	
Trichloroethene	ug/kg	<23.6	50.0	12/24/18 09:53	
Trichlorofluoromethane	ug/kg	<24.7	50.0	12/24/18 09:53	
Vinyl chloride	ug/kg	<21.1	50.0	12/24/18 09:53	
4-Bromofluorobenzene (S)	%	88	48-130	12/24/18 09:53	
Dibromofluoromethane (S)	%	107	57-148	12/24/18 09:53	
Toluene-d8 (S)	%	97	58-142	12/24/18 09:53	

LABORATORY CONTROL SAMPLE: 1809243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2740	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2640	106	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2690	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2740	110	67-132	
1,1-Dichloroethene	ug/kg	2500	2680	107	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2550	102	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2510	100	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2490	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2700	108	70-130	
1,2-Dichloroethane	ug/kg	2500	2770	111	65-137	
1,2-Dichloropropane	ug/kg	2500	2650	106	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2560	102	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2690	108	70-130	
Benzene	ug/kg	2500	2710	108	70-130	
Bromodichloromethane	ug/kg	2500	2790	112	70-130	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

LABORATORY CONTROL SAMPLE: 1809243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2430	97	57-117	
Bromomethane	ug/kg	2500	3510	140	48-135	L1
Carbon tetrachloride	ug/kg	2500	2850	114	65-133	
Chlorobenzene	ug/kg	2500	2650	106	70-130	
Chloroethane	ug/kg	2500	2950	118	37-165	
Chloroform	ug/kg	2500	2790	112	72-126	
Chloromethane	ug/kg	2500	2220	89	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2640	106	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2450	98	69-130	
Dibromochloromethane	ug/kg	2500	2670	107	68-130	
Dichlorodifluoromethane	ug/kg	2500	1640	66	22-100	
Ethylbenzene	ug/kg	2500	2710	109	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2750	110	70-130	
m&p-Xylene	ug/kg	5000	5580	112	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2480	99	66-129	
Methylene Chloride	ug/kg	2500	2580	103	68-129	
o-Xylene	ug/kg	2500	2770	111	70-130	
Styrene	ug/kg	2500	2510	100	70-130	
Tetrachloroethene	ug/kg	2500	2710	108	70-130	
Toluene	ug/kg	2500	2700	108	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2660	107	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2370	95	67-130	
Trichloroethene	ug/kg	2500	2740	110	70-130	
Trichlorofluoromethane	ug/kg	2500	2840	114	64-134	
Vinyl chloride	ug/kg	2500	2450	98	52-122	
4-Bromofluorobenzene (S)	%			103	48-130	
Dibromofluoromethane (S)	%			104	57-148	
Toluene-d8 (S)	%			101	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1809244 1809245

Parameter	Units	40181246012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1530	1530	1630	1580	106	103	62-130	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1530	1530	1610	1510	105	99	64-137	6	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1530	1530	1680	1610	110	105	70-130	4	20	
1,1-Dichloroethane	ug/kg	<25.0	1530	1530	1740	1710	114	112	65-132	1	20	
1,1-Dichloroethene	ug/kg	<25.0	1530	1530	1540	1540	100	101	50-128	1	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1530	1530	1780	1550	116	101	51-148	14	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1530	1530	1630	1590	107	104	43-134	3	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1530	1530	1500	1400	98	91	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1530	1530	1700	1510	111	98	70-130	12	20	
1,2-Dichloroethane	ug/kg	<25.0	1530	1530	1850	1830	121	120	65-139	1	20	
1,2-Dichloropropane	ug/kg	<25.0	1530	1530	1700	1660	111	109	74-128	2	20	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1809244 1809245

Parameter	Units	40181246012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/kg	<25.0	1530	1530	1520	1460	99	96	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1530	1530	1680	1550	110	101	70-130	8	20	
Benzene	ug/kg	<25.0	1530	1530	1660	1630	109	106	66-132	2	20	
Bromodichloromethane	ug/kg	<25.0	1530	1530	1690	1650	111	108	69-130	3	20	
Bromoform	ug/kg	<25.0	1530	1530	1540	1490	101	98	57-130	3	20	
Bromomethane	ug/kg	<69.9	1530	1530	2010	1970	131	129	34-145	2	20	
Carbon tetrachloride	ug/kg	<25.0	1530	1530	1640	1500	107	98	54-133	9	20	
Chlorobenzene	ug/kg	<25.0	1530	1530	1530	1510	100	98	70-130	2	20	
Chloroethane	ug/kg	<67.0	1530	1530	1440	1370	94	89	33-165	5	20	
Chloroform	ug/kg	<46.4	1530	1530	1770	1750	115	114	72-128	1	20	
Chloromethane	ug/kg	<25.0	1530	1530	1510	1460	99	95	20-120	4	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1530	1530	1610	1650	105	108	69-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1530	1530	1410	1370	92	90	65-130	3	20	
Dibromochloromethane	ug/kg	<25.0	1530	1530	1540	1580	101	103	65-130	2	20	
Dichlorodifluoromethane	ug/kg	<25.0	1530	1530	1120	1100	73	72	10-109	2	29	
Ethylbenzene	ug/kg	<25.0	1530	1530	1500	1430	98	93	63-127	5	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1530	1530	1500	1360	98	89	66-130	10	20	
m&p-Xylene	ug/kg	<50.0	3060	3060	3030	2910	99	95	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1530	1530	1480	1510	97	99	62-135	2	20	
Methylene Chloride	ug/kg	<25.0	1530	1530	1780	1740	117	114	68-129	2	20	
o-Xylene	ug/kg	<25.0	1530	1530	1540	1500	100	98	69-130	3	20	
Styrene	ug/kg	<25.0	1530	1530	1470	1450	96	95	70-130	1	20	
Tetrachloroethene	ug/kg	416	1530	1530	1960	1840	101	93	70-130	6	20	
Toluene	ug/kg	<25.0	1530	1530	1550	1500	101	98	80-123	3	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1530	1530	1610	1610	105	105	70-130	0	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1530	1530	1380	1370	90	90	67-130	1	20	
Trichloroethene	ug/kg	<25.0	1530	1530	1690	1600	111	105	70-130	5	20	
Trichlorofluoromethane	ug/kg	<25.0	1530	1530	1530	1490	100	97	41-134	3	26	
Vinyl chloride	ug/kg	<25.0	1530	1530	1520	1490	99	98	39-122	2	20	
4-Bromofluorobenzene (S)	%						88	84	48-130			
Dibromofluoromethane (S)	%						91	93	57-148			
Toluene-d8 (S)	%						81	81	58-142			

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 309733 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40181246003, 40181246004, 40181246005, 40181246006, 40181246009, 40181246010

METHOD BLANK: 1809018 Matrix: Water
Associated Lab Samples: 40181246003, 40181246004, 40181246005, 40181246006, 40181246009, 40181246010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	12/20/18 08:16	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/20/18 08:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	12/20/18 08:16	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/20/18 08:16	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/20/18 08:16	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/20/18 08:16	
1,1-Dichloropropene	ug/L	<0.54	1.8	12/20/18 08:16	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	12/20/18 08:16	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	12/20/18 08:16	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	12/20/18 08:16	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	12/20/18 08:16	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	12/20/18 08:16	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	12/20/18 08:16	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	12/20/18 08:16	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/20/18 08:16	
1,2-Dichloropropane	ug/L	<0.28	1.0	12/20/18 08:16	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	12/20/18 08:16	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	12/20/18 08:16	
1,3-Dichloropropane	ug/L	<0.83	2.8	12/20/18 08:16	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	12/20/18 08:16	
2,2-Dichloropropane	ug/L	<2.3	7.6	12/20/18 08:16	
2-Chlorotoluene	ug/L	<0.93	5.0	12/20/18 08:16	
4-Chlorotoluene	ug/L	<0.76	2.5	12/20/18 08:16	
Benzene	ug/L	<0.25	1.0	12/20/18 08:16	
Bromobenzene	ug/L	<0.24	1.0	12/20/18 08:16	
Bromochloromethane	ug/L	<0.36	5.0	12/20/18 08:16	
Bromodichloromethane	ug/L	<0.36	1.2	12/20/18 08:16	
Bromoform	ug/L	<4.0	13.2	12/20/18 08:16	
Bromomethane	ug/L	<0.97	5.0	12/20/18 08:16	
Carbon tetrachloride	ug/L	<0.17	1.0	12/20/18 08:16	
Chlorobenzene	ug/L	<0.71	2.4	12/20/18 08:16	
Chloroethane	ug/L	<1.3	5.0	12/20/18 08:16	
Chloroform	ug/L	<1.3	5.0	12/20/18 08:16	
Chloromethane	ug/L	<2.2	7.3	12/20/18 08:16	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/20/18 08:16	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	12/20/18 08:16	
Dibromochloromethane	ug/L	<2.6	8.7	12/20/18 08:16	
Dibromomethane	ug/L	<0.94	3.1	12/20/18 08:16	
Dichlorodifluoromethane	ug/L	<0.50	5.0	12/20/18 08:16	
Diisopropyl ether	ug/L	<1.9	6.3	12/20/18 08:16	
Ethylbenzene	ug/L	<0.22	1.0	12/20/18 08:16	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

METHOD BLANK: 1809018 Matrix: Water
Associated Lab Samples: 40181246003, 40181246004, 40181246005, 40181246006, 40181246009, 40181246010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	12/20/18 08:16	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	12/20/18 08:16	
m&p-Xylene	ug/L	<0.47	2.0	12/20/18 08:16	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	12/20/18 08:16	
Methylene Chloride	ug/L	<0.58	5.0	12/20/18 08:16	
n-Butylbenzene	ug/L	<0.71	2.4	12/20/18 08:16	
n-Propylbenzene	ug/L	<0.81	5.0	12/20/18 08:16	
Naphthalene	ug/L	<1.2	5.0	12/20/18 08:16	
o-Xylene	ug/L	<0.26	1.0	12/20/18 08:16	
p-Isopropyltoluene	ug/L	<0.80	2.7	12/20/18 08:16	
sec-Butylbenzene	ug/L	<0.85	5.0	12/20/18 08:16	
Styrene	ug/L	<0.47	1.6	12/20/18 08:16	
tert-Butylbenzene	ug/L	<0.30	1.0	12/20/18 08:16	
Tetrachloroethene	ug/L	<0.33	1.1	12/20/18 08:16	
Toluene	ug/L	<0.17	5.0	12/20/18 08:16	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/20/18 08:16	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	12/20/18 08:16	
Trichloroethene	ug/L	<0.26	1.0	12/20/18 08:16	
Trichlorofluoromethane	ug/L	<0.21	1.0	12/20/18 08:16	
Vinyl chloride	ug/L	<0.17	1.0	12/20/18 08:16	
4-Bromofluorobenzene (S)	%	95	70-130	12/20/18 08:16	
Dibromofluoromethane (S)	%	99	70-130	12/20/18 08:16	
Toluene-d8 (S)	%	101	70-130	12/20/18 08:16	

LABORATORY CONTROL SAMPLE: 1809019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.1	92	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	49.1	98	67-130	
1,1,2-Trichloroethane	ug/L	50	49.1	98	70-130	
1,1-Dichloroethane	ug/L	50	61.2	122	70-134	
1,1-Dichloroethene	ug/L	50	56.1	112	75-132	
1,2,4-Trichlorobenzene	ug/L	50	49.6	99	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.1	84	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	48.2	96	70-130	
1,2-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,2-Dichloroethane	ug/L	50	53.1	106	73-134	
1,2-Dichloropropane	ug/L	50	48.9	98	79-128	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
Benzene	ug/L	50	50.8	102	69-137	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	43.5	87	64-133	
Bromomethane	ug/L	50	53.9	108	29-123	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

LABORATORY CONTROL SAMPLE: 1809019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	45.5	91	73-142	
Chlorobenzene	ug/L	50	50.5	101	70-130	
Chloroethane	ug/L	50	53.6	107	59-133	
Chloroform	ug/L	50	47.8	96	80-129	
Chloromethane	ug/L	50	39.0	78	27-125	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	70-134	
cis-1,3-Dichloropropene	ug/L	50	45.3	91	70-130	
Dibromochloromethane	ug/L	50	46.2	92	70-130	
Dichlorodifluoromethane	ug/L	50	28.8	58	12-127	
Ethylbenzene	ug/L	50	51.5	103	86-127	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-131	
Methyl-tert-butyl ether	ug/L	50	54.2	108	65-136	
Methylene Chloride	ug/L	50	58.1	116	72-133	
o-Xylene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	47.9	96	70-130	
Toluene	ug/L	50	50.6	101	84-124	
trans-1,2-Dichloroethene	ug/L	50	59.0	118	70-133	
trans-1,3-Dichloropropene	ug/L	50	43.0	86	67-130	
Trichloroethene	ug/L	50	50.5	101	70-130	
Trichlorofluoromethane	ug/L	50	58.7	117	69-147	
Vinyl chloride	ug/L	50	44.2	88	48-134	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 310135 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40181246001, 40181246002, 40181246007, 40181246008, 40181246011, 40181246012, 40181246013, 40181246014, 40181246015, 40181246016, 40181246017

SAMPLE DUPLICATE: 1811183

Parameter	Units	40181239003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	20.3	2	10	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 310153
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 40181246023

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 1811217

Parameter	Units	40181246023 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.9	19.4	2	10	

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QUALITY CONTROL DATA

Project: MILLERS
Pace Project No.: 40181246

QC Batch: 310155 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40181246018, 40181246019, 40181246020, 40181246021, 40181246022

SAMPLE DUPLICATE: 1811224

Parameter	Units	40181246018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.8	15.3	3	10	

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(920)469-2436

QUALIFIERS

Project: MILLERS
Pace Project No.: 40181246

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MILLERS
Pace Project No.: 40181246

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181246001	**B-11, 8'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246002	**B-11, 17'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246007	**B-14, 3'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246008	**B-14, 10'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246011	**B-5-8'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246012	**B-5 16'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246013	**B-6, 10'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246014	**B-6, 15'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246015	**B-7, 10'**	EPA 5035/5030B	309797	EPA 8260	309801
40181246016	**B-7, 15'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246017	**B-7, 18'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246018	**B-8, 14'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246019	**B-8, 20'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246020	**B-9, 9'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246021	**B-9, 18'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246022	**B-10, 5'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246023	**B-10, 14'**	EPA 5035/5030B	309775	EPA 8260	309777
40181246003	**B-12, DEEP**	EPA 8260	309733		
40181246004	**B-12, SHALLOW**	EPA 8260	309733		
40181246005	**B-13, DEEP**	EPA 8260	309733		
40181246006	**B-13, SHALLOW**	EPA 8260	309733		
40181246009	**B-15**	EPA 8260	309733		
40181246010	**B-16**	EPA 8260	309733		
40181246001	**B-11, 8'**	ASTM D2974-87	310135		
40181246002	**B-11, 17'**	ASTM D2974-87	310135		
40181246007	**B-14, 3'**	ASTM D2974-87	310135		
40181246008	**B-14, 10'**	ASTM D2974-87	310135		
40181246011	**B-5-8'**	ASTM D2974-87	310135		
40181246012	**B-5 16'**	ASTM D2974-87	310135		
40181246013	**B-6, 10'**	ASTM D2974-87	310135		
40181246014	**B-6, 15'**	ASTM D2974-87	310135		
40181246015	**B-7, 10'**	ASTM D2974-87	310135		
40181246016	**B-7, 15'**	ASTM D2974-87	310135		
40181246017	**B-7, 18'**	ASTM D2974-87	310135		
40181246018	**B-8, 14'**	ASTM D2974-87	310155		
40181246019	**B-8, 20'**	ASTM D2974-87	310155		
40181246020	**B-9, 9'**	ASTM D2974-87	310155		
40181246021	**B-9, 18'**	ASTM D2974-87	310155		
40181246022	**B-10, 5'**	ASTM D2974-87	310155		
40181246023	**B-10, 14'**	ASTM D2974-87	310153		

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40181246

CHAIN OF COUNTY

(Please Print Clearly)

Company Name:	Seymour Env.
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 225 9407
Project Number:	
Project Name:	Millers
Project State:	Wisconsin
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	
Regulatory Program:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Env.
Mail To Address:	2531 Dyreson Road McFarland, WI
Invoice To Contact:	
Invoice To Company:	SAA
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): N
PRESERVATION (CODE)* Pick Letter: F/B

Analyses Requested: VOCs

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B-11, 8'	12/13	1445	S	X			
002	B-11, 17'		1500	S	X			
003	B-12, deep	12/14	1000	GW	X			
004	B-12, shallow		1010	GW	X			
005	B-13, deep		1045 ~~1100~~	GW	X			
006	B-13, shallow		1100	GW	X			
007	B-14, 3'		1130	S	X			
008	B-14, 10'		1145	S	X			
009	B-15		1300		X			
010	B-16		1430	GW	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	12/18		
CJ Rogosten	12/19/18 0920	Susan Allyn	12/19/18 0920

PACE Project No. 40181246

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present (circled)
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

(Please Print Clearly)

Company Name:	Seymour Env
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 2259407
Project Number:	
Project Name:	Wisconsin
Project State:	Millers Liquor
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	
Regulatory Program:	

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CHAIN OF CUSTODY

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40181246

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Env.
Mail To Address:	2531 Dyreson Road McFarland WI
Invoice To Contact:	
Invoice To Company:	GAA
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): N
PRESERVATION (CODE)*: Pick Letter: F

Analyses Requested: VOCs

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
011	B-5-8'	12/13	1000	S	X			
012	B-5 16'		1015	S	X			
013	B-6, 10'		1100	S	X			
014	B-6, 15'		1110	S	X			
015	B-7, 10'		1130	S	X			
016	B-7, 15'		1135	S	X	HOT		
017	B-7, 18'		1145	S	X	HOT		
018	B-8, 14		1220	S	X	HOT		
019	B-8, 20'		1230	S	X			
020	B-9, 9'		1315	S	X			
021	B-9, 18		1330	S	X			
022	B-10, 5'		1345	S	X			
023	B-10, 14'		1400	S	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	12/18		
CS Logistics	12-19-18 0920	Susan Wyle	12-19-18 0920
		Pace	

PACE Project No. 40181246

Receipt Temp = ROT °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present (circled)
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Seymour Env. Project # 40181746

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1				1										2.5 / 5 / 10
002																			2				1										2.5 / 5 / 10
003																		3	3														2.5 / 5 / 10
004																		3	3														2.5 / 5 / 10
005																		3	3														2.5 / 5 / 10
006																		3	3														2.5 / 5 / 10
007																			1				1										2.5 / 5 / 10
008																			1				1										2.5 / 5 / 10
009																		3															2.5 / 5 / 10
010																		3															2.5 / 5 / 10
011																			1				1										2.5 / 5 / 10
012																			1				1										2.5 / 5 / 10
013																			1				1										2.5 / 5 / 10
014																			1				1										2.5 / 5 / 10
015																			1				1										2.5 / 5 / 10
016																			1				1										2.5 / 5 / 10
017																			1				1										2.5 / 5 / 10
018																			1				1										2.5 / 5 / 10
019																			1				1										2.5 / 5 / 10
020																			1				1										2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Seymour Env
Project #: 40181246

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																			/				/										2.5 / 5 / 10
022																			/				/										2.5 / 5 / 10
023																			/				/										2.5 / 5 / 10
~~024~~																																	2.5 / 5 / 10
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																																	2.5 / 5 / 17
																																	2.5 / 5 / 18
																																	2.5 / 5 / 19
																																	2.5 / 5 / 20
																																	2.5 / 5 / 21
																																	2.5 / 5 / 22
																																	2.5 / 5 / 23

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Seymour Env. Project #: **WO#: 40181246**

40181246

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other: _____

Tracking #: 2343 1218 18

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: _____

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 12-19-18 Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1. Original and the copy 1279 SW
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☑No ☐N/A	3. No time 1279 SW
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: JM 12/19/18	☑Yes ☐No ☐N/A	12. 009 ID "B-15 DUP", 006 2 vials incomplete date as "12/" JM 12/19/18
-Includes date/time/ID/Analysis Matrix: SL W		
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Rm for DM **Date:** 12/19/18

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR MILLERS LIQUOR

LOCATION 2308 UNIVERSITY AVE. ELEV.

Job No. 7599

Boring No. MW-4

GROUND WATER

While drilling _____ Time after drilling _____

Before casing removal _____ Depth to water _____

After casing removal _____ Depth to cave-in _____

Start 5-1-19

Unit D-120+19

Chief K.D.-J.F.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe / Weight / Drop	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						BLIND DRILL 4 1/4 HSA						
						0' - 18.5' E.O.B.						
						REFUSAL						
						SET WELL 18.5'						
						10' SCREEN 18.5'-8.5'						
						⑥ FILTER 18.5'-6.5'						
						① FINE 6.5'-5.5'						
						② CHIPS 5.5'-2'						
						9" FLUSH MOUNT						
						2" CAP & PLUG						
						① CONCRETE						

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: MILLERS LIQUOR	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-4
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane _____ ft. N, _____ ft. E.	Wis. Unique Well Number: VR127 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E. ☐W.	Date Well Installed: 05/01/19 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) BADGER STATE DRILLING, KEVIN Dverst
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation FLUSH ft. MSL
B. Well casing, top elevation +3 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 attached? ☐ Yes ☒ No

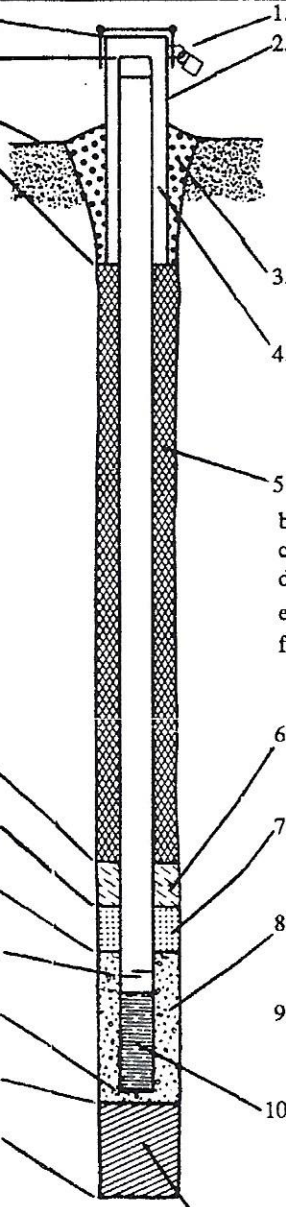
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☒ 41; Other ☐ ___

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):
_____

E. Bentonite seal, top _____ ft. MSL or 2 ft.
F. Fine sand, top _____ ft. MSL or 5.5 ft.
G. Filter pack, top _____ ft. MSL or 6.5 ft.
H. Screen joint, top _____ ft. MSL or 8.5 ft.
I. Well bottom _____ ft. MSL or 18.5 ft.
J. Filter pack, bottom _____ ft. MSL or 18.5 ft.
K. Borehole, bottom _____ ft. MSL or 18.5 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9. in.
b. Length: 1. 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; Annular space seal ☐ ___; Other ☐ ___
5. Annular space seal: a. Granular 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 pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO #7
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. OHIO #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 SCH 40
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___
b. Manufacturer MONO FLEX
c. Slot size: 0.010 in.
d. Slotted length: 10 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: Badger State Drilling Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
MILLERS LIQUOR	DANE	MW-4
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well Number**
_____	__	VR127	____

1. Can this well be purged dry? ☑ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 150 min.

4. Depth of well (from top of well casisng) 18.2 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing — gal.

7. Volume of water removed from well 150 gal.

8. Volume of water added (if any) — gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☑ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 10.1 ft.	10.4 ft.
Date	b. 05/02/19 (m m d d y y)	05/02/19 (m m d d y y)
Time	c. 09:00 ☑ a.m. ☐ p.m.	11:30 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15	Clear ☐ 20 Turbid ☑ 25
(Describe)	MILKY BROWN COLOR	SLIGHT LT. BROWN COLOR

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Kevin Duerst

Firm: Badger State Drilling, Inc.

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

Signature: _____

Print Initials: ___

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR MILLERS LIQUOR

LOCATION 2308 UNIVERSITY AVE. ELEV.

Job No. 7599

Boring No. MW-4 PZ 4A

GROUND WATER

While drilling _____ Time after drilling _____

Before casing removal _____ Depth to water _____

After casing removal _____ Depth to cave-in _____

Start 4-30-19

Unit D-120 #19

Chief K.D. - D.D.

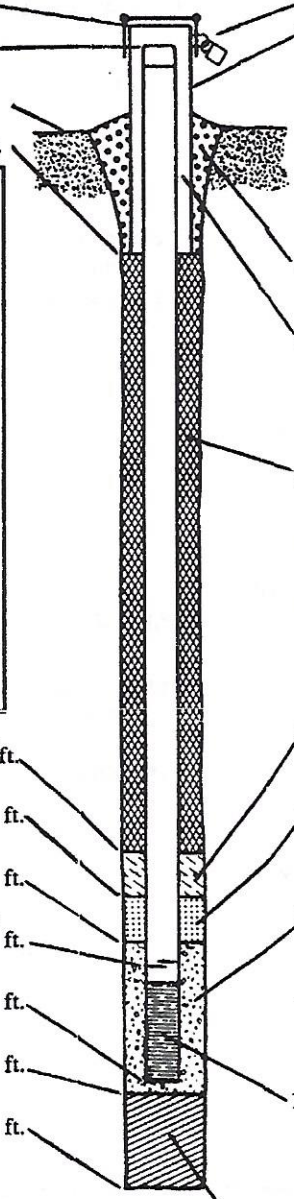
Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						BLIND DRILL 6 1/4 HSA 0'-21'					
						5 7/8 TRI-CONE 21'-62'					
						SET WELL @ 60'					
						5' SCREEN 60'-55'					
						(3) FILTER 62'-53'					
						(1) FINE 53'-51'					
						(2) CHIPS 51'-45'					
						- GROUT 45'-8' 30 gal.					
						(2) CHIPS 8'-2'					
						9" FLUSH MOUNT					
						2" CAP & PLUG					
						(1) CONCRETE					
						SET 5-1-19					
						4" ROCK					
						E.O.B. 62'					

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: MILLERS LIQUOR	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: MW 4 PZ 4A
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: VR126 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	St. Plane _____ ft. N, _____ ft. E.	Date Well Installed: 04/30/19 (m m d d y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): BADGER STATE DRILLING; KEVIN Duerst
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	



A. Protective pipe, top elevation: ELEV. ft. MSL
B. Well casing, top elevation: -3 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 attached? ☐ Yes ☒ No

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

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):
_____

E. Bentonite seal, top: _____ ft. MSL or 4.5 ft.
F. Fine sand, top: _____ ft. MSL or 51 ft.
G. Filter pack, top: _____ ft. MSL or 53 ft.
H. Screen joint, top: _____ ft. MSL or 55 ft.
I. Well bottom: _____ ft. MSL or 60 ft.
J. Filter pack, bottom: _____ ft. MSL or 62 ft.
K. Borehole, bottom: _____ ft. MSL or 62 ft.
L. Borehole, diameter: 10 in.
M. O.D. well casing: 2.38 in.
N. I.D. well casing: 2.0 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 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; Annular space seal ☐ ___; Other ☐ ___
_____
5. Annular space seal: a. Granular 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 pellets ☐ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO #7
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. OHIO #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 SCH 40
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___
_____
b. Manufacturer MONO FLEX
c. Slot size: 0.010 in.
d. Slotted length: 5 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: Badger State Drilling, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
MILLERS LIQUOR	DANE	[redacted] MW-4A
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
_____	__	VR120 / ___

1. Can this well be purged dry? ☐ Yes ☑ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☑ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 75 min.

4. Depth of well (from top of well casisng) 59.9 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing — gal.

7. Volume of water removed from well 75. gal.

8. Volume of water added (if any) — gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☑ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 10.8 ft.	11.1 ft.
Date	b. 05/02/19 (m m d d y y)	05/02/19 (m m d d y y)
Time	c. 8:25 ☑ a.m. ☐ p.m.	9:40 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	__.__ inches	__.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
(Describe)	LT. BROWN COLOR TAN	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Kevin Doerst

Firm: Badger State Drilling

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

Signature: _____

Print Initials: ___

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR Millers Liquor

Job No. 7599

LOCATION 2308 University Ave. ELEV.

Boring No. MW-4 PZ 46

GROUND WATER

While drilling _____ Time after drilling _____

Before casing removal _____ Depth to water _____

After casing removal _____ Depth to cave-in _____

Start 4/29/19

Unit D-120 #19

Chief K.D.-D.D

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	AUTOHAMMER VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe 2" Weight 140 lbs. Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method

BLIND DRILL TO 23' HIT ROCK

SWITCH TO AIR ROTORY

5 3/8 Button BIT

04-30-19

OVERNITE WATER LEVEL 11'

SWITCH TO MUD ROTOR, 43'

DRILL TO 92'

SET WELL AT 90' USING 5' SCREEN

Filter sand 92'-83'

Fine sand 83'-82'

chips 82'-75'

GROUT 75'-12'

CHIPS 12'-2'

Filter sand 3 Bags

Fine sand 1 Bag

chips 5 Bags

FLUSH mount 1

2" CAP & PLUG 1

CONCRETE 1

69' Rock

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: MILLERS LIQUOR	Local Grid Location of Well: ____ ft. ☐N ☐S ____ ft. ☐E ☐W	Well Name: MW4 PZ4B
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. ____ Long. ____ or St. Plane ____ ft. N, ____ ft. E.	Wis. Unique Well Number: VR125 DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12		Date Well Installed: 04/30/19 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: ___1/4 of ___ 1/4 of Sec. ___, T. ___ N, R. ___ ☐E ☐W	Well Installed By: (Person's Name and Firm): BADGER STATE DRILLING; KEVIN Dverst
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation FLUSH ft. MSL
B. Well casing, top elevation -3 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 attached? ☐ Yes ☒ No

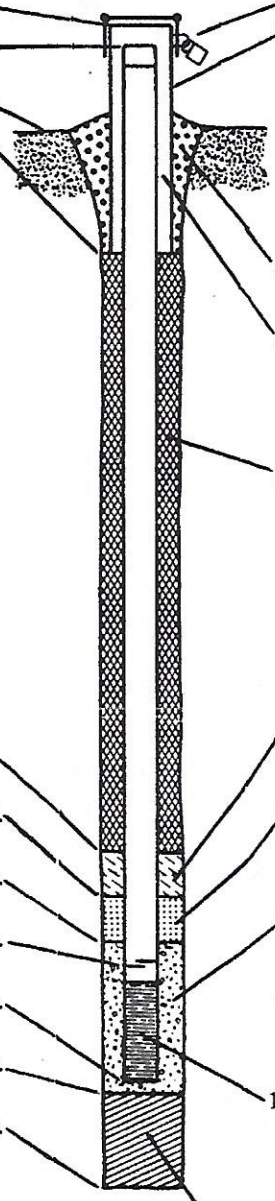
14. Drilling method used: Rotary ☒ 50; Hollow Stem Auger ☒ 41; Other ☐ _____

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): _____

E. Bentonite seal, top _____ ft. MSL or 7.5 ft.
F. Fine sand, top _____ ft. MSL or 82 ft.
G. Filter pack, top _____ ft. MSL or 83 ft.
H. Screen joint, top _____ ft. MSL or 85 ft.
I. Well bottom _____ ft. MSL or 90 ft.
J. Filter pack, bottom _____ ft. MSL or 92 ft.
K. Borehole, bottom _____ ft. MSL or 92 ft.
L. Borehole, diameter 10 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 4 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; Annular space seal ☐ _____; Other ☐ _____
5. Annular space seal: a. Granular 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 pellets ☐ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. OHIO #7
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. OHIO #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 SCH. 40
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ _____
b. Manufacturer MONOFLEX
c. Slot size: 0.010 in.
d. Slotted length: 5 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: Mark Darwin | Firm: Badger State Drilling, Inc.

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
MILLERS LIQUOR	DANE	MW-4B
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well Number**
_____	___	VR135 / ___

	Before Development	After Development
1. Can this well be purged dry?	☑ Yes ☐ No	
2. Well development method		
surged with bailer and bailed	☐ 41	
surged with bailer and pumped	☑ 61	
surged with block and bailed	☐ 42	
surged with block and pumped	☐ 62	
surged with block, bailed and pumped	☐ 70	
compressed air	☐ 20	
bailed only	☐ 10	
pumped only	☐ 51	
pumped slowly	☐ 50	
Other _____	☐ ___	
11. Depth to Water (from top of well casing)	a. 10.3 ft.	10.4 ft.
Date	b. 05/02/19 (m m d d y y)	05/02/19 (m m d d y y)
Time	c. 7:50 ☑ a.m. ☐ p.m.	8:40 ☑ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☑ 15	Clear ☑ 20 Turbid ☐ 25
(Describe)	LT. BROWN TAN COLOR	
3. Time spent developing well	50 min.	
4. Depth of well (from top of well casisng)	90.2 ft.	
5. Inside diameter of well	2.0 in.	
6. Volume of water in filter pack and well casing	— gal.	
7. Volume of water removed from well	50 gal.	
8. Volume of water added (if any)	— gal.	
9. Source of water added	_____	
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☑ No	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Additional comments on development:

Well developed by: Person's Name and Firm

Name: Kevin Duerst

Firm: Badger State Drilling

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

Signature: _____

Print Initials: ___

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 23, 2019

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187964001	**MW-4**	Water	05/18/19 11:35	05/21/19 09:45
40187964002	**PZ-4A**	Water	05/18/19 11:45	05/21/19 09:45
40187964003	**PZ-4B**	Water	05/18/19 11:55	05/21/19 09:45

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40187964001	**MW-4**	EPA 8260	LAP	64	PASI-G
40187964002	**PZ-4A**	EPA 8260	LAP	64	PASI-G
40187964003	**PZ-4B**	EPA 8260	LAP	64	PASI-G

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Green Bay, WI 54302
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SUMMARY OF DETECTION

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40187964001	**MW-4**					
EPA 8260	cis-1,2-Dichloroethene	26.1	ug/L	5.0	05/22/19 13:12	
EPA 8260	Tetrachloroethene	362	ug/L	5.4	05/22/19 13:12	
EPA 8260	Trichloroethene	7.7	ug/L	5.0	05/22/19 13:12	
40187964002	**PZ-4A**					
EPA 8260	Chloroform	9.4J	ug/L	10.0	05/22/19 12:50	
EPA 8260	1,1-Dichloroethene	1.1J	ug/L	2.0	05/22/19 12:50	
EPA 8260	cis-1,2-Dichloroethene	7.2	ug/L	2.0	05/22/19 12:50	
EPA 8260	Tetrachloroethene	330	ug/L	2.2	05/22/19 12:50	
EPA 8260	Trichloroethene	3.5	ug/L	2.0	05/22/19 12:50	
40187964003	**PZ-4B**					
EPA 8260	Tetrachloroethene	5.5	ug/L	1.1	05/22/19 10:38	

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Sample: MW-4 **Lab ID: 40187964001** Collected: 05/18/19 11:35 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.2**	ug/L	5.0	1.2	5		05/22/19 13:12	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		05/22/19 13:12	108-86-1	
Bromochloromethane	**<1.8**	ug/L	25.0	1.8	5		05/22/19 13:12	74-97-5	
Bromodichloromethane	**<1.8**	ug/L	6.1	1.8	5		05/22/19 13:12	75-27-4	
Bromoform	**<19.9**	ug/L	66.2	19.9	5		05/22/19 13:12	75-25-2	
Bromomethane	**<4.9**	ug/L	25.0	4.9	5		05/22/19 13:12	74-83-9	
n-Butylbenzene	**<3.5**	ug/L	11.8	3.5	5		05/22/19 13:12	104-51-8	
sec-Butylbenzene	**<4.2**	ug/L	25.0	4.2	5		05/22/19 13:12	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	5.1	1.5	5		05/22/19 13:12	98-06-6	
Carbon tetrachloride	**<0.83**	ug/L	5.0	0.83	5		05/22/19 13:12	56-23-5	
Chlorobenzene	**<3.6**	ug/L	11.8	3.6	5		05/22/19 13:12	108-90-7	
Chloroethane	**<6.7**	ug/L	25.0	6.7	5		05/22/19 13:12	75-00-3	
Chloroform	**<6.4**	ug/L	25.0	6.4	5		05/22/19 13:12	67-66-3	
Chloromethane	**<10.9**	ug/L	36.5	10.9	5		05/22/19 13:12	74-87-3	
2-Chlorotoluene	**<4.6**	ug/L	25.0	4.6	5		05/22/19 13:12	95-49-8	
4-Chlorotoluene	**<3.8**	ug/L	12.6	3.8	5		05/22/19 13:12	106-43-4	
1,2-Dibromo-3-chloropropane	**<8.8**	ug/L	29.4	8.8	5		05/22/19 13:12	96-12-8	
Dibromochloromethane	**<13.0**	ug/L	43.4	13.0	5		05/22/19 13:12	124-48-1	
1,2-Dibromoethane (EDB)	**<4.1**	ug/L	13.8	4.1	5		05/22/19 13:12	106-93-4	
Dibromomethane	**<4.7**	ug/L	15.6	4.7	5		05/22/19 13:12	74-95-3	
1,2-Dichlorobenzene	**<3.5**	ug/L	11.8	3.5	5		05/22/19 13:12	95-50-1	
1,3-Dichlorobenzene	**<3.1**	ug/L	10.5	3.1	5		05/22/19 13:12	541-73-1	
1,4-Dichlorobenzene	**<4.7**	ug/L	15.7	4.7	5		05/22/19 13:12	106-46-7	
Dichlorodifluoromethane	**<2.5**	ug/L	25.0	2.5	5		05/22/19 13:12	75-71-8	
1,1-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		05/22/19 13:12	75-34-3	
1,2-Dichloroethane	**<1.4**	ug/L	5.0	1.4	5		05/22/19 13:12	107-06-2	
1,1-Dichloroethene	**<1.2**	ug/L	5.0	1.2	5		05/22/19 13:12	75-35-4	
cis-1,2-Dichloroethene	**26.1**	ug/L	5.0	1.4	5		05/22/19 13:12	156-59-2	
trans-1,2-Dichloroethene	**<5.5**	ug/L	18.2	5.5	5		05/22/19 13:12	156-60-5	
1,2-Dichloropropane	**<1.4**	ug/L	5.0	1.4	5		05/22/19 13:12	78-87-5	
1,3-Dichloropropane	**<4.1**	ug/L	13.8	4.1	5		05/22/19 13:12	142-28-9	
2,2-Dichloropropane	**<11.3**	ug/L	37.8	11.3	5		05/22/19 13:12	594-20-7	
1,1-Dichloropropene	**<2.7**	ug/L	9.0	2.7	5		05/22/19 13:12	563-58-6	
cis-1,3-Dichloropropene	**<18.1**	ug/L	60.5	18.1	5		05/22/19 13:12	10061-01-5	
trans-1,3-Dichloropropene	**<21.9**	ug/L	72.8	21.9	5		05/22/19 13:12	10061-02-6	
Diisopropyl ether	**<9.4**	ug/L	31.5	9.4	5		05/22/19 13:12	108-20-3	
Ethylbenzene	**<1.1**	ug/L	5.0	1.1	5		05/22/19 13:12	100-41-4	
Hexachloro-1,3-butadiene	**<5.9**	ug/L	25.0	5.9	5		05/22/19 13:12	87-68-3	
Isopropylbenzene (Cumene)	**<2.0**	ug/L	25.0	2.0	5		05/22/19 13:12	98-82-8	
p-Isopropyltoluene	**<4.0**	ug/L	13.3	4.0	5		05/22/19 13:12	99-87-6	
Methylene Chloride	**<2.9**	ug/L	25.0	2.9	5		05/22/19 13:12	75-09-2	
Methyl-tert-butyl ether	**<6.2**	ug/L	20.8	6.2	5		05/22/19 13:12	1634-04-4	
Naphthalene	**<5.9**	ug/L	25.0	5.9	5		05/22/19 13:12	91-20-3	
n-Propylbenzene	**<4.1**	ug/L	25.0	4.1	5		05/22/19 13:12	103-65-1	
Styrene	**<2.3**	ug/L	7.8	2.3	5		05/22/19 13:12	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.3**	ug/L	5.0	1.3	5		05/22/19 13:12	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Sample: MW-4 **Lab ID: 40187964001** Collected: 05/18/19 11:35 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<1.4**	ug/L	5.0	1.4	5		05/22/19 13:12	79-34-5	
Tetrachloroethene	**362**	ug/L	5.4	1.6	5		05/22/19 13:12	127-18-4	
Toluene	**<0.86**	ug/L	25.0	0.86	5		05/22/19 13:12	108-88-3	
1,2,3-Trichlorobenzene	**<3.1**	ug/L	25.0	3.1	5		05/22/19 13:12	87-61-6	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		05/22/19 13:12	120-82-1	
1,1,1-Trichloroethane	**<1.2**	ug/L	5.0	1.2	5		05/22/19 13:12	71-55-6	
1,1,2-Trichloroethane	**<2.8**	ug/L	25.0	2.8	5		05/22/19 13:12	79-00-5	
Trichloroethene	**7.7**	ug/L	5.0	1.3	5		05/22/19 13:12	79-01-6	
Trichlorofluoromethane	**<1.1**	ug/L	5.0	1.1	5		05/22/19 13:12	75-69-4	
1,2,3-Trichloropropane	**<3.0**	ug/L	25.0	3.0	5		05/22/19 13:12	96-18-4	
1,2,4-Trimethylbenzene	**<4.2**	ug/L	14.0	4.2	5		05/22/19 13:12	95-63-6	
1,3,5-Trimethylbenzene	**<4.4**	ug/L	14.6	4.4	5		05/22/19 13:12	108-67-8	
Vinyl chloride	**<0.87**	ug/L	5.0	0.87	5		05/22/19 13:12	75-01-4	
m&p-Xylene	**<2.3**	ug/L	10.0	2.3	5		05/22/19 13:12	179601-23-1	
o-Xylene	**<1.3**	ug/L	5.0	1.3	5		05/22/19 13:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		5		05/22/19 13:12	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		5		05/22/19 13:12	1868-53-7	
Toluene-d8 (S)	102	%	70-130		5		05/22/19 13:12	2037-26-5	

Sample: PZ-4A **Lab ID: 40187964002** Collected: 05/18/19 11:45 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.49**	ug/L	2.0	0.49	2		05/22/19 12:50	71-43-2	
Bromobenzene	**<0.48**	ug/L	2.0	0.48	2		05/22/19 12:50	108-86-1	
Bromochloromethane	**<0.72**	ug/L	10.0	0.72	2		05/22/19 12:50	74-97-5	
Bromodichloromethane	**<0.73**	ug/L	2.4	0.73	2		05/22/19 12:50	75-27-4	
Bromoform	**<7.9**	ug/L	26.5	7.9	2		05/22/19 12:50	75-25-2	
Bromomethane	**<1.9**	ug/L	10.0	1.9	2		05/22/19 12:50	74-83-9	
n-Butylbenzene	**<1.4**	ug/L	4.7	1.4	2		05/22/19 12:50	104-51-8	
sec-Butylbenzene	**<1.7**	ug/L	10.0	1.7	2		05/22/19 12:50	135-98-8	
tert-Butylbenzene	**<0.61**	ug/L	2.0	0.61	2		05/22/19 12:50	98-06-6	
Carbon tetrachloride	**<0.33**	ug/L	2.0	0.33	2		05/22/19 12:50	56-23-5	
Chlorobenzene	**<1.4**	ug/L	4.7	1.4	2		05/22/19 12:50	108-90-7	
Chloroethane	**<2.7**	ug/L	10.0	2.7	2		05/22/19 12:50	75-00-3	
Chloroform	**9.4J**	ug/L	10.0	2.5	2		05/22/19 12:50	67-66-3	
Chloromethane	**<4.4**	ug/L	14.6	4.4	2		05/22/19 12:50	74-87-3	
2-Chlorotoluene	**<1.9**	ug/L	10.0	1.9	2		05/22/19 12:50	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	5.0	1.5	2		05/22/19 12:50	106-43-4	
1,2-Dibromo-3-chloropropane	**<3.5**	ug/L	11.8	3.5	2		05/22/19 12:50	96-12-8	
Dibromochloromethane	**<5.2**	ug/L	17.3	5.2	2		05/22/19 12:50	124-48-1	
1,2-Dibromoethane (EDB)	**<1.7**	ug/L	5.5	1.7	2		05/22/19 12:50	106-93-4	

REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Sample: PZ-4A **Lab ID: 40187964002** Collected: 05/18/19 11:45 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**<1.9**	ug/L	6.2	1.9	2		05/22/19 12:50	74-95-3	
1,2-Dichlorobenzene	**<1.4**	ug/L	4.7	1.4	2		05/22/19 12:50	95-50-1	
1,3-Dichlorobenzene	**<1.3**	ug/L	4.2	1.3	2		05/22/19 12:50	541-73-1	
1,4-Dichlorobenzene	**<1.9**	ug/L	6.3	1.9	2		05/22/19 12:50	106-46-7	
Dichlorodifluoromethane	**<1.0**	ug/L	10.0	1.0	2		05/22/19 12:50	75-71-8	
1,1-Dichloroethane	**<0.55**	ug/L	2.0	0.55	2		05/22/19 12:50	75-34-3	
1,2-Dichloroethane	**<0.56**	ug/L	2.0	0.56	2		05/22/19 12:50	107-06-2	
1,1-Dichloroethene	**1.1J**	ug/L	2.0	0.49	2		05/22/19 12:50	75-35-4	
cis-1,2-Dichloroethene	**7.2**	ug/L	2.0	0.54	2		05/22/19 12:50	156-59-2	
trans-1,2-Dichloroethene	**<2.2**	ug/L	7.3	2.2	2		05/22/19 12:50	156-60-5	
1,2-Dichloropropane	**<0.57**	ug/L	2.0	0.57	2		05/22/19 12:50	78-87-5	
1,3-Dichloropropane	**<1.7**	ug/L	5.5	1.7	2		05/22/19 12:50	142-28-9	
2,2-Dichloropropane	**<4.5**	ug/L	15.1	4.5	2		05/22/19 12:50	594-20-7	
1,1-Dichloropropene	**<1.1**	ug/L	3.6	1.1	2		05/22/19 12:50	563-58-6	
cis-1,3-Dichloropropene	**<7.3**	ug/L	24.2	7.3	2		05/22/19 12:50	10061-01-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	29.1	8.7	2		05/22/19 12:50	10061-02-6	
Diisopropyl ether	**<3.8**	ug/L	12.6	3.8	2		05/22/19 12:50	108-20-3	
Ethylbenzene	**<0.44**	ug/L	2.0	0.44	2		05/22/19 12:50	100-41-4	
Hexachloro-1,3-butadiene	**<2.4**	ug/L	10.0	2.4	2		05/22/19 12:50	87-68-3	
Isopropylbenzene (Cumene)	**<0.79**	ug/L	10.0	0.79	2		05/22/19 12:50	98-82-8	
p-Isopropyltoluene	**<1.6**	ug/L	5.3	1.6	2		05/22/19 12:50	99-87-6	
Methylene Chloride	**<1.2**	ug/L	10.0	1.2	2		05/22/19 12:50	75-09-2	
Methyl-tert-butyl ether	**<2.5**	ug/L	8.3	2.5	2		05/22/19 12:50	1634-04-4	
Naphthalene	**<2.4**	ug/L	10.0	2.4	2		05/22/19 12:50	91-20-3	
n-Propylbenzene	**<1.6**	ug/L	10.0	1.6	2		05/22/19 12:50	103-65-1	
Styrene	**<0.93**	ug/L	3.1	0.93	2		05/22/19 12:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.54**	ug/L	2.0	0.54	2		05/22/19 12:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.55**	ug/L	2.0	0.55	2		05/22/19 12:50	79-34-5	
Tetrachloroethene	**330**	ug/L	2.2	0.65	2		05/22/19 12:50	127-18-4	
Toluene	**<0.34**	ug/L	10.0	0.34	2		05/22/19 12:50	108-88-3	
1,2,3-Trichlorobenzene	**<1.3**	ug/L	10.0	1.3	2		05/22/19 12:50	87-61-6	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		05/22/19 12:50	120-82-1	
1,1,1-Trichloroethane	**<0.49**	ug/L	2.0	0.49	2		05/22/19 12:50	71-55-6	
1,1,2-Trichloroethane	**<1.1**	ug/L	10.0	1.1	2		05/22/19 12:50	79-00-5	
Trichloroethene	**3.5**	ug/L	2.0	0.51	2		05/22/19 12:50	79-01-6	
Trichlorofluoromethane	**<0.43**	ug/L	2.0	0.43	2		05/22/19 12:50	75-69-4	
1,2,3-Trichloropropane	**<1.2**	ug/L	10.0	1.2	2		05/22/19 12:50	96-18-4	
1,2,4-Trimethylbenzene	**<1.7**	ug/L	5.6	1.7	2		05/22/19 12:50	95-63-6	
1,3,5-Trimethylbenzene	**<1.7**	ug/L	5.8	1.7	2		05/22/19 12:50	108-67-8	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		05/22/19 12:50	75-01-4	
m&p-Xylene	**<0.93**	ug/L	4.0	0.93	2		05/22/19 12:50	179601-23-1	
o-Xylene	**<0.52**	ug/L	2.0	0.52	2		05/22/19 12:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-130		2		05/22/19 12:50	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		2		05/22/19 12:50	1868-53-7	
Toluene-d8 (S)	102	%	70-130		2		05/22/19 12:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Sample: PZ-4B **Lab ID: 40187964003** Collected: 05/18/19 11:55 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/22/19 10:38	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/22/19 10:38	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/22/19 10:38	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/22/19 10:38	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/22/19 10:38	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/22/19 10:38	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/22/19 10:38	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/22/19 10:38	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/22/19 10:38	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/22/19 10:38	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/22/19 10:38	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/22/19 10:38	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/22/19 10:38	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/22/19 10:38	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/22/19 10:38	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/22/19 10:38	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/22/19 10:38	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/22/19 10:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/22/19 10:38	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/22/19 10:38	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/22/19 10:38	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/22/19 10:38	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/22/19 10:38	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/22/19 10:38	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/22/19 10:38	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/22/19 10:38	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/22/19 10:38	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/22/19 10:38	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/22/19 10:38	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/22/19 10:38	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/22/19 10:38	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/22/19 10:38	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/22/19 10:38	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/22/19 10:38	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/22/19 10:38	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/22/19 10:38	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/22/19 10:38	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/22/19 10:38	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/22/19 10:38	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/22/19 10:38	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/22/19 10:38	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/22/19 10:38	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/22/19 10:38	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/22/19 10:38	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/22/19 10:38	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/22/19 10:38	630-20-6	

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ANALYTICAL RESULTS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Sample: PZ-4B **Lab ID: 40187964003** Collected: 05/18/19 11:55 Received: 05/21/19 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/22/19 10:38	79-34-5	
Tetrachloroethene	**5.5**	ug/L	1.1	0.33	1		05/22/19 10:38	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/22/19 10:38	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/22/19 10:38	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/22/19 10:38	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/22/19 10:38	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/22/19 10:38	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/22/19 10:38	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/22/19 10:38	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/22/19 10:38	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/22/19 10:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/22/19 10:38	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/22/19 10:38	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/22/19 10:38	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/22/19 10:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/22/19 10:38	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		05/22/19 10:38	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		05/22/19 10:38	2037-26-5	

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QUALITY CONTROL DATA

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

QC Batch: 321995 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40187964001, 40187964002, 40187964003

METHOD BLANK: 1869934 Matrix: Water
Associated Lab Samples: 40187964001, 40187964002, 40187964003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/22/19 06:15	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/22/19 06:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/22/19 06:15	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/22/19 06:15	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/22/19 06:15	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/22/19 06:15	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/22/19 06:15	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/22/19 06:15	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/22/19 06:15	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/22/19 06:15	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/22/19 06:15	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/22/19 06:15	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/22/19 06:15	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/22/19 06:15	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/22/19 06:15	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/22/19 06:15	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/22/19 06:15	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/22/19 06:15	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/22/19 06:15	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/22/19 06:15	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/22/19 06:15	
2-Chlorotoluene	ug/L	<0.93	5.0	05/22/19 06:15	
4-Chlorotoluene	ug/L	<0.76	2.5	05/22/19 06:15	
Benzene	ug/L	<0.25	1.0	05/22/19 06:15	
Bromobenzene	ug/L	<0.24	1.0	05/22/19 06:15	
Bromochloromethane	ug/L	<0.36	5.0	05/22/19 06:15	
Bromodichloromethane	ug/L	<0.36	1.2	05/22/19 06:15	
Bromoform	ug/L	<4.0	13.2	05/22/19 06:15	
Bromomethane	ug/L	<0.97	5.0	05/22/19 06:15	
Carbon tetrachloride	ug/L	<0.17	1.0	05/22/19 06:15	
Chlorobenzene	ug/L	<0.71	2.4	05/22/19 06:15	
Chloroethane	ug/L	<1.3	5.0	05/22/19 06:15	
Chloroform	ug/L	<1.3	5.0	05/22/19 06:15	
Chloromethane	ug/L	<2.2	7.3	05/22/19 06:15	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/22/19 06:15	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/22/19 06:15	
Dibromochloromethane	ug/L	<2.6	8.7	05/22/19 06:15	
Dibromomethane	ug/L	<0.94	3.1	05/22/19 06:15	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/22/19 06:15	
Diisopropyl ether	ug/L	<1.9	6.3	05/22/19 06:15	
Ethylbenzene	ug/L	<0.22	1.0	05/22/19 06:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

METHOD BLANK: 1869934 Matrix: Water
Associated Lab Samples: 40187964001, 40187964002, 40187964003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/22/19 06:15	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/22/19 06:15	
m&p-Xylene	ug/L	<0.47	2.0	05/22/19 06:15	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/22/19 06:15	
Methylene Chloride	ug/L	<0.58	5.0	05/22/19 06:15	
n-Butylbenzene	ug/L	<0.71	2.4	05/22/19 06:15	
n-Propylbenzene	ug/L	<0.81	5.0	05/22/19 06:15	
Naphthalene	ug/L	<1.2	5.0	05/22/19 06:15	
o-Xylene	ug/L	<0.26	1.0	05/22/19 06:15	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/22/19 06:15	
sec-Butylbenzene	ug/L	<0.85	5.0	05/22/19 06:15	
Styrene	ug/L	<0.47	1.6	05/22/19 06:15	
tert-Butylbenzene	ug/L	<0.30	1.0	05/22/19 06:15	
Tetrachloroethene	ug/L	<0.33	1.1	05/22/19 06:15	
Toluene	ug/L	<0.17	5.0	05/22/19 06:15	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/22/19 06:15	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/22/19 06:15	
Trichloroethene	ug/L	<0.26	1.0	05/22/19 06:15	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/22/19 06:15	
Vinyl chloride	ug/L	<0.17	1.0	05/22/19 06:15	
4-Bromofluorobenzene (S)	%	88	70-130	05/22/19 06:15	
Dibromofluoromethane (S)	%	109	70-130	05/22/19 06:15	
Toluene-d8 (S)	%	102	70-130	05/22/19 06:15	

LABORATORY CONTROL SAMPLE: 1869935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	61.3	123	73-150	
1,1-Dichloroethene	ug/L	50	61.9	124	73-138	
1,2,4-Trichlorobenzene	ug/L	50	42.9	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	54.0	108	75-140	
1,2-Dichloropropane	ug/L	50	53.7	107	73-135	
1,3-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
Benzene	ug/L	50	55.0	110	70-130	
Bromodichloromethane	ug/L	50	53.6	107	70-130	
Bromoform	ug/L	50	50.9	102	68-129	
Bromomethane	ug/L	50	47.6	95	18-159	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

LABORATORY CONTROL SAMPLE: 1869935

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	55.1	110	70-130	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	55.1	110	53-147	
Chloroform	ug/L	50	54.7	109	74-136	
Chloromethane	ug/L	50	35.0	70	29-115	
cis-1,2-Dichloroethene	ug/L	50	61.0	122	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.6	99	70-130	
Dibromochloromethane	ug/L	50	49.6	99	70-130	
Dichlorodifluoromethane	ug/L	50	30.2	60	10-130	
Ethylbenzene	ug/L	50	54.1	108	80-124	
Isopropylbenzene (Cumene)	ug/L	50	54.0	108	70-130	
m&p-Xylene	ug/L	100	113	113	70-130	
Methyl-tert-butyl ether	ug/L	50	54.4	109	54-137	
Methylene Chloride	ug/L	50	62.9	126	73-138	
o-Xylene	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	54.7	109	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	52.2	104	80-126	
trans-1,2-Dichloroethene	ug/L	50	62.3	125	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.0	96	70-130	
Trichloroethene	ug/L	50	53.8	108	70-130	
Trichlorofluoromethane	ug/L	50	67.5	135	76-147	
Vinyl chloride	ug/L	50	50.0	100	51-120	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1869936 1869937

Parameter	Units	40187936002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	56.4	57.0	113	114	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	55.2	56.8	110	114	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.9	55.4	110	111	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	63.1	64.1	126	128	73-153	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	64.9	64.2	130	128	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50.8	50.4	102	101	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.0	48.8	92	98	58-129	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	54.6	57.0	109	114	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	56.1	58.0	112	116	70-130	3	20	
1,2-Dichloroethane	ug/L	0.72J	50	50	57.0	58.1	113	115	75-140	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	54.0	55.2	108	110	71-138	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	56.4	57.9	113	116	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	56.7	59.1	113	118	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1869936 1869937

Parameter	Units	40187936002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	56.8	57.3	114	115	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	53.3	54.6	107	109	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	54.0	56.0	108	112	68-129	4	20	
Bromomethane	ug/L	<0.97	50	50	50.5	55.9	101	112	15-170	10	20	
Carbon tetrachloride	ug/L	<0.17	50	50	56.2	58.4	112	117	70-130	4	20	
Chlorobenzene	ug/L	<0.71	50	50	57.7	56.9	115	114	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	57.1	59.5	114	119	51-148	4	20	
Chloroform	ug/L	<1.3	50	50	56.8	57.7	114	115	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	36.2	36.1	72	72	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	62.7	62.6	125	125	70-131	0	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	51.3	51.6	103	103	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	55.0	55.9	110	112	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	30.0	31.1	60	62	10-132	4	20	
Ethylbenzene	ug/L	<0.22	50	50	57.9	58.6	116	117	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	59.6	57.5	119	115	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	115	117	115	117	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	55.2	55.1	110	110	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	65.5	65.7	131	131	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	57.8	58.8	116	118	70-130	2	20	
Styrene	ug/L	<0.47	50	50	58.5	57.5	117	115	70-130	2	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.5	53.1	103	106	70-130	3	20	
Toluene	ug/L	<0.17	50	50	56.2	56.9	112	114	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	65.0	66.5	130	133	73-148	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	52.2	52.4	104	105	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	54.8	57.0	110	114	70-130	4	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	68.2	69.5	136	139	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	51.8	51.7	104	103	41-129	0	20	
4-Bromofluorobenzene (S)	%						101	101	70-130			HS
Dibromofluoromethane (S)	%						109	111	70-130			
Toluene-d8 (S)	%						102	105	70-130			

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MILLER'S LIQUOR
Pace Project No.: 40187964

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187964001	**MW-4**	EPA 8260	321995		
40187964002	**PZ-4A**	EPA 8260	321995		
40187964003	**PZ-4B**	EPA 8260	321995		

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www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

40187964

CHAIN OF CUSTODY

(Please Print Clearly)

Company Name:	Seymour Environ.
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 225 9407
Project Number:	
Project Name:	Miller's Liquor
Project State:	Wisconsin
Sampled By (Print):	
Sampled By (Sign):	
PO #:	
Regulatory Program:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Env.
Mail To Address:	2531 Pyreson Road McFarland, 53558
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

FILTERED? (YES/NO): N
PRESERVATION (CODE)* / Pick Letter: B

Analyses Requested: VOC

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-4	5/18	1135	GW	X			
002	PZ-4A		1145	|	X			
003	PZ4B		1155	|	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	5/20 1300		
[signature]	5-21-19 0945	Susan X Uhle	5-21-19 0945
		[signature]	

PACE Project No. 40187964
Receipt Temp = ROT °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal
Present / ~~Not Present~~ (circled)
Intact / Not Intact

C019a(27Jun2006)
Version 6.0 06/14/06
ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Seymour Env. Project # 40187969

All containers needing preservation have been checked and noted below: □Yes □No □N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/ Time:

Pace Lab #	Glass: AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	Vials: DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																		WCWN									—						2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Seymour Env.

Project #: WO#: 40187964

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Shredded paper 5-21-19 SW

Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RO I /Corr: _____

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 5-21-19
Initials: SW

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2. CC 5-21-19 SW
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC: 5/21/19 SW	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: for DM **Date:** 05/21/19