GANNETT FLEMING

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March 30, 2023
File #47358.003

Mr. Kevin McKnight
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
625 East County Road Y, Suite 700
Oshkosh, WI 54901-9731

Re: **2022 Groundwater Monitoring Status Report**
Koeller Center, 1020 – 1142 South Koeller Street
Oshkosh, Wisconsin
BRRTS: 02-71-547941

Dear Mr. McKnight:

On behalf of Koeller One, LLC, Gannett Fleming, Inc. (GF) is submitting this groundwater monitoring status report for the former dry cleaner facility located at 1142 South Koeller Street in the Koeller Center shopping mall site in Oshkosh. Groundwater samples were collected from the site's seven monitoring wells (MW-1 through MW-7) on April 18 and December 2, 2022. This report follows GF's December 2, 2021, *Groundwater Monitoring Status Report* and summarizes the results of groundwater samples collected in April and December 2022. Included with this report are:

- Figure 1 – a site location map.
- Figure 2 – an aerial photo showing the area of investigation.
- Figure 3 – a groundwater surface contour map created using elevations measured in December 2022.
- Figure 4 – a site plan showing the estimated extents of tetrachloroethylene (PCE) in groundwater samples collected in December 2022 at concentrations at or above its NR 140 enforcement standard (ES) and preventative action limit (PAL) of 5 and 0.5 micrograms per liter (µg/ℓ), respectively.
- Table 1 – listing depth to water and groundwater elevations measured in site wells from 2006 through 2022.
- Table 2 – summarizing the concentrations of detected volatile organic compounds (VOCs) measured in site wells from 2006 through 2022.
- Attachment A – copies of the lab reports and chain of custody records for the groundwater samples collected in April and December 2022.
- Attachment B – printouts of Mann-Kendall statistical analysis spreadsheets and graphs of PCE concentrations over the past two and five years. The Mann-Kendall analysis was only performed on monitoring wells MW-1 through MW-4, MW-6, and MW-7, since MW-5 has never contained PCE.

GF File

- A completed certification page, pursuant to ss. NR 700.11(1) and 724.13(3), Wisconsin Administrative Code, signed by a Wisconsin-licensed professional engineer and hydrogeologist.

Below is a summary of the site background, scope of work conducted during this reporting period, and GF's recommendation for continued groundwater monitoring.

Project Background

From 2006 through 2016, GF conducted an investigation to determine if there were any VOCs associated with a former dry cleaner that operated from 1985 to 1994 at 1142 South Koeller Street. The investigation included collecting soil samples from 24 borings, installing 7 monitoring wells, and collecting 14 rounds of groundwater samples from the wells. Additional investigation activities conducted in 2013 included collecting an indoor air sample and three shallow soil gas samples from borings located beneath the former location of the dry cleaner.

The results of the remedial investigation indicated that PCE was the only compound of concern (measured at concentrations above its NR 140 ES of 5.0 µg/ℓ) and that PCE was only present in relatively low concentrations in the soil and groundwater in a small area east of the former location of the dry cleaner. The analytical results of the soil gas samples and an ambient indoor air sample collected beneath the former dry cleaner location indicated that vapor intrusion of PCE or any other VOCs into the building did not pose an inhalation risk. See GF's November 21, 2013, *Site Investigation Report* for a summary of vapor intrusion investigation activities conducted in 2013.

Groundwater elevations measured during the site investigation indicated that the groundwater flow direction fluctuated from the northwest to the northeast, with the flow direction dependent on the depth of the water table. In April 2017, GF submitted a closure request to the WDNR summarizing investigation activities and results through 2016. In its June 20, 2017, letter to Livesey Company denying site closure, the WDNR stated that the following three issues needed to be addressed prior to the WDNR considering closure:

1. "Additional groundwater monitoring is needed in order to establish compliance with the closure criteria of ch. NR 726. If monitored natural attenuation is to be used as a remedial action, it needs to be determined whether there is a stable or receding plume. A groundwater monitoring plan which at a minimum consists of semi-annual groundwater monitoring at MW-1, MW-2, MW-3, MW-4 and MW-6 should be implemented."

2. "Additional groundwater monitoring may be needed in order to define the degree and extent of contamination. The Department recommends the evaluation of piezometer installation for vertical definition of the plume."

3. "Additional remedial action is needed in order to comply with the closure criteria of ch. NR 726. You should evaluate the use of additional remedial action such as chemical injections to facilitate remediation in the event groundwater trends do not stabilize."

GF's September 14, 2017, *Groundwater Monitoring Status Report* contained detailed responses to items 2 and 3 of the WDNR's June 20, 2017, letter, and Livesey has conducted additional groundwater sampling activities through 2021 to address item 1. As discussed in GF's September 2017 report and subsequent reports, the dense till beneath the site made collection of groundwater samples using a Geoprobe

impossible, which would be the preferable way to define the extent of PCE in the groundwater before/when choosing locations to install monitoring wells. The dense till also makes in-situ remedial alternatives such as injections of reducing reagents or oxidants to reduce PCE concentrations in the groundwater impossible with a Geoprobe drill rig. A sonic or large (Cantera) drill rig would be necessary to install wells to inject reagents, and the installation of injection wells using those drill rigs (as opposed to a Geoprobe) greatly increased the cost of those remedial options. Additionally, and for reasons discussed below and in more detail in previous reports, GF believes that remediation of the PCE plume in the groundwater is not necessary because:

- The dense till aquifer has relatively low hydraulic conductivity (2.8×10^{-5} cm/sec) and groundwater flow velocity (<10 ft/yr). This inhibits the migration of PCE in the groundwater, as evidenced by the relatively limited extent of PCE at concentrations above the NR 140 ES in the groundwater (about 90 feet) since the PCE was likely released when the dry-cleaning facility closed and was decommissioned in 1994.

- There are no potable or municipal wells within 1,200 feet of the site, and the downgradient edge of the PCE plume, as defined by MW-6, is over 150 feet from the property line, located east of the plume.

- As part of Cycle 10 amendments to Wisconsin's Groundwater Standards, the Wisconsin Department of Health Services (WDHS) proposed increasing PCE's NR 140 ES from 5 to 20 µg/ℓ and its PAL from 0.5 to 2.0 µg/ℓ. The proposed increase was temporarily rejected when other unrelated compounds were not accepted by Wisconsin's Natural Resource Board as part of Cycle 10. (Based on correspondence with WDNR, the changes to PCE's NR 140 ES and PAL may be part of another cycle of proposed changes to Wisconsin's groundwater standards in the future.)

- Based on PCE concentrations measured in the soil and groundwater, GF does not believe there is enough mass of PCE in the source area to cause it to migrate off site without being diluted to concentrations below the current or proposed NR 140 PALs.

Because the site is paved, is served by the City of Oshkosh Water Utility, and is not located near any private or municipal water supply wells, the PCE-impacted soil and groundwater do not currently pose a direct contact or ingestion risk. Additionally, based on the results of the indoor air and soil gas samples collected in 2013, inhalation of PCE or other VOCs is also not a risk. For those reasons:

- GF does not believe active remediation of the PCE plume is necessary to reduce risks of impacts to human health or the environment.

- Livesey has decided to continue collecting groundwater samples from site wells until the PCE plume exhibits a stable or decreasing trend.

Recent Scope of Work (April – December 2022)

Since the WDNR's June 2017 letter, there have been 10 additional rounds of groundwater samples collected, the most recent being collected on April 18 and December 2, 2022. Groundwater monitoring activities included:

- Measuring groundwater elevations in all site wells – MW-1 through MW-7.

- Collecting groundwater samples from each monitoring well for analyses of VOCs. Duplicate samples were collected from MW-2 in April and from MW-3 in December 2022.

Groundwater samples collected from each well were placed into laboratory-supplied containers with preservatives, as required for each analysis. The groundwater samples were placed in a cooler with ice and shipped via overnight courier for laboratory analysis of VOCs using EPA Method 8260B. Samples collected in April 2022 and December 2022 were submitted to Pace Analytical Laboratory in Green Bay, Wisconsin, and ALS Laboratory Group in Holland, Michigan, respectively. Attachment A includes copies of the laboratory reports for the samples collected in 2022.

Field Measurements and Analytical Results

Table 1 presents depth to water measurements and calculated groundwater elevation data in the site wells through December 2022 and includes previous measurements made since 2006. Figure 3 shows the groundwater flow direction based on elevations measured in MW-1 through MW-7 on December 2, 2022. As shown on Figure 3, the groundwater flow direction in December 2022 was to the north-northeast between MW-7 and MW-2, then to the northeast further downgradient. The groundwater flow directions measured in 2022 are consistent with directions measured since MW-5 through MW-7 were installed in March 2016.

Table 2 summarizes the analytical results of groundwater samples collected through December 2022, including the analytical results of samples previously collected from the monitoring wells.

- Duplicate results are averaged in Table 2 for statistical analysis/plotting, per December 2013 Interstate Technology & Regulatory Council (ITRC) guidance.
- PCE was the only compound measured in the 2022 groundwater samples at concentrations above its NR 140 ES of 5.0 µg/ℓ. Trichloroethylene (TCE) was measured at 0.52 µg/ℓ in MW-1, slightly above its NR 140 PAL of 0.5 µg/ℓ. Since groundwater sampling began in 2006, traces of TCE (≤1.1 µg/ℓ) have periodically been measured in MW-1 and MW-3. See Table 2 for specific concentrations of TCE measured in those wells.
- No other VOCs were measured at or above their NR 140 PALs in the groundwater samples collected in 2022.

PCE Plume and PCE Trends Discussion

Since groundwater monitoring began in September 2006, PCE has been the only VOC measured at concentrations above its NR 140 ES of 5.0 µg/ℓ, with source area well MW-1 historically containing the highest PCE concentrations. The only other wells that have contained PCE at concentrations above its NR 140 ES of 5 µg/ℓ are downgradient wells MW-3 and MW-6. Figure 4 shows the estimated extent of PCE above its NR 140 ES and PAL of 5 and 0.5 µg/ℓ, respectively, based on concentrations measured in December 2022.

Since reaching its maximum concentration of 275 µg/ℓ (the average of 255 and 295 µg/ℓ, measured in two duplicate samples) in July 2017, PCE concentrations in MW-1 have fluctuated slightly with an overall decreasing trend. As shown in Table 2, the PCE concentration measured in MW-1 in December 2022 (34 µg/ℓ) was the lowest PCE concentration measured in MW-1 since April 2009 (28.7 µg/ℓ).

The highest concentrations measured in downgradient wells MW-3 (81.4 µg/ℓ) and MW-6 (7.7 µg/ℓ) were measured in September 2019 and April 2022, respectively, as the leading edge of the PCE plume migrated downgradient. Since those maximum concentrations were measured, PCE concentrations in those wells

have decreased. The December 2022 concentrations measured in MW-3 (25.5 µg/ℓ) and MW-6 (5.6 µg/ℓ) were lower than the highest concentrations previously measured in those wells; however, an overall decreasing trend has yet to be established, as outlined below.

GF used Mann-Kendall statistical analysis to evaluate trends in PCE concentrations measured in MW-1 through MW-4, MW-6, and MW-7. Attachment B includes Mann-Kendall spreadsheets and graphs for the 2-year and 5-year trends. Overall results are summarized in the following table.

Period	Monitoring Well and PCE Trend					
	MW-1	**MW-2**	**MW-3**	**MW-4**	**MW-6**	**MW-7**
2017-2022	Decreasing	No trend	Stable	No trend	Increasing	No trend
2021-2022	Stable	Stable	No trend	Stable	No trend	Stable

Closing

Because of the low groundwater velocity and decreasing PCE concentrations in source area well MW-1, GF proposes to continue monitoring PCE concentrations in the groundwater on a semi-annual basis. Groundwater monitoring activities will continue until stable/receding 2-year trends in PCE concentrations have been established. The next groundwater sampling events are scheduled for spring and fall 2023. A groundwater monitoring report will be submitted to the WDNR after the fall 2023 sample results have been received and evaluated. In the meantime, please let us know if you have any questions or need additional information to complete your review of this report.

Sincerely,
GANNETT FLEMING, INC.

Chelsea J. Payne, P.G.
Project Geologist

Anthony W. Miller, P.S.S.
Senior Project Manager

CJP/AWM/jec
Enc.

ecc: Ryan Eley (Livesey Company, LLC)

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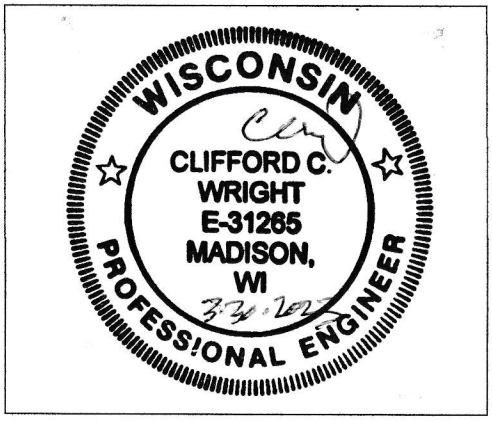
ENGINEERING AND HYDROGEOLOGIST CERTIFICATIONS

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature Clifford C. Wright	Date 3.30.2023

P.E. Seal for E-31265:



I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print Name Clifford C. Wright	Title Project Engineer/Geologist
Signature Clifford C. Wright	Date 3.30.2023

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FIGURES

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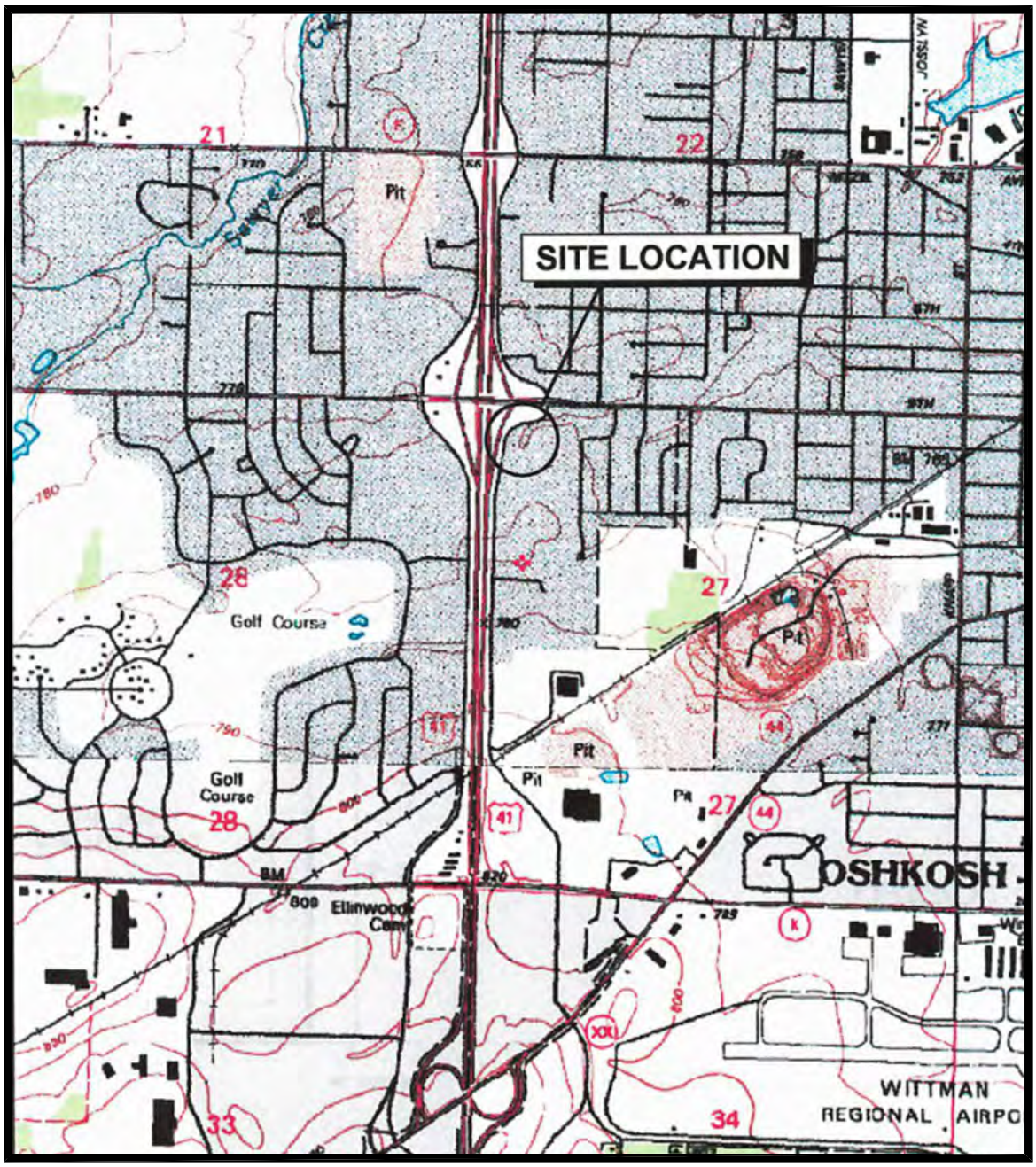

SCALE: 1 INCH ~ 1800 FEET

7.5 MIN TOPOGRAPHIC MAP
OSHKOSH, WISCONSIN
1992

LOCATION MAP

KOELLER CENTER–OSHKOSH
KOELLER ONE, LLC
OSHKOSH, WISCONSIN

080818
awm_R47358-003_2022_01SR_F01

1 INCH ~ 375 FEET

GOOGLE EARTH – 06/15

N

AERIAL PHOTO OF PARCEL AND AREA OF INVESTIGATION

KOELLER CENTER–OSHKOSH
KOELLER ONE, LLC
OSHKOSH, WISCONSIN

042219
awm_R47358-003_2022_01SR_F02

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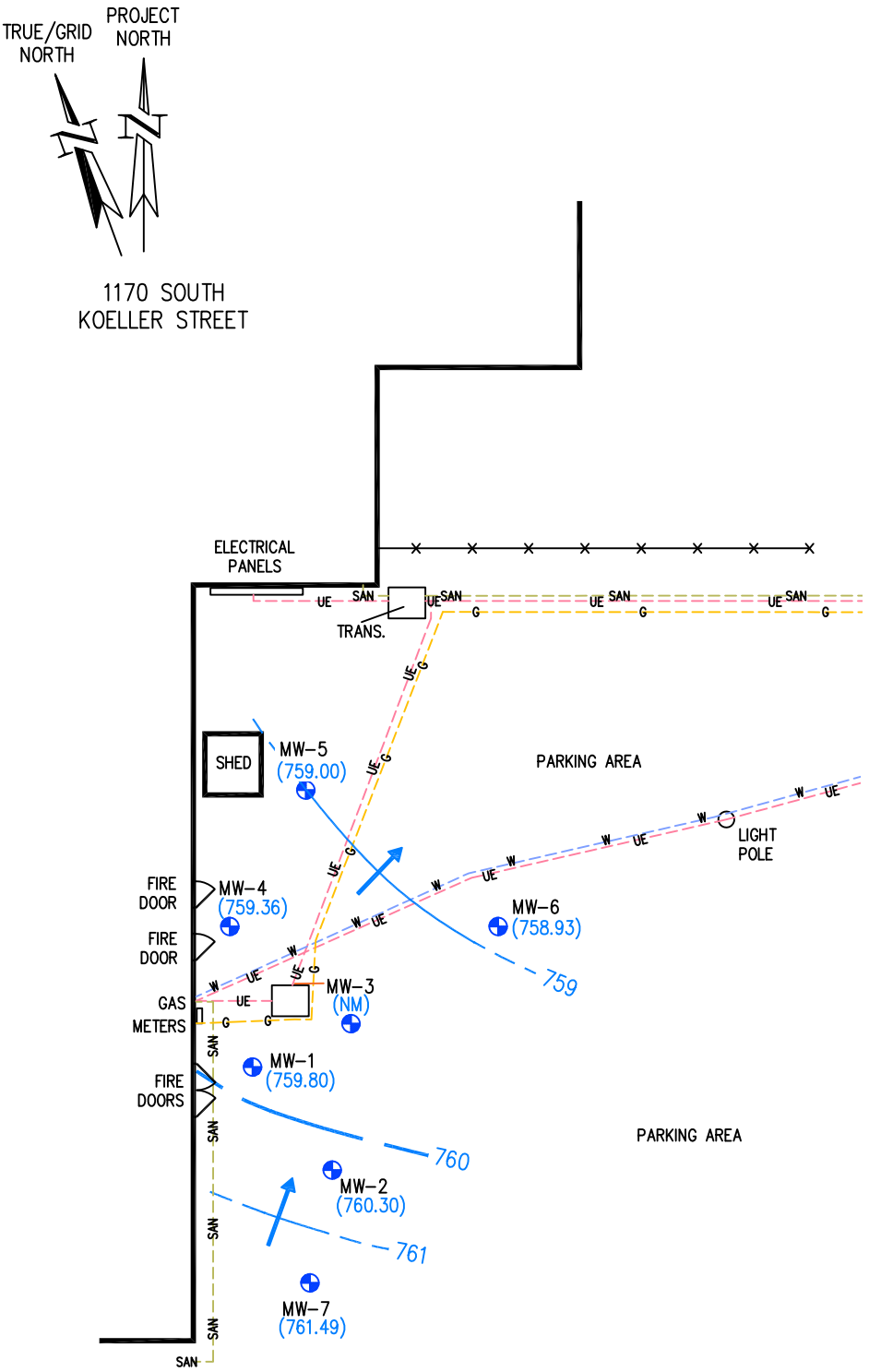
FIGURE 3



LEGEND

- 760 — GROUNDWATER CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION (12/02/22)
- MONITORING WELL
- FENCE
- G — UNDERGROUND NATURAL GAS
- UE — UNDERGROUND ELECTRICAL
- W — UNDERGROUND WATER LINE
- SAN — UNDERGROUND SANITARY SEWER

NOTES

1. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE.

0 40

Approximate Scale In Feet

GROUNDWATER CONTOUR MAP (DECEMBER 2022)

KOELLER CENTER–OSHKOSH
KOELLER ONE, LLC.
OSHKOSH, WISCONSIN

121722
awm_R47358-003_2022_01SR_F03

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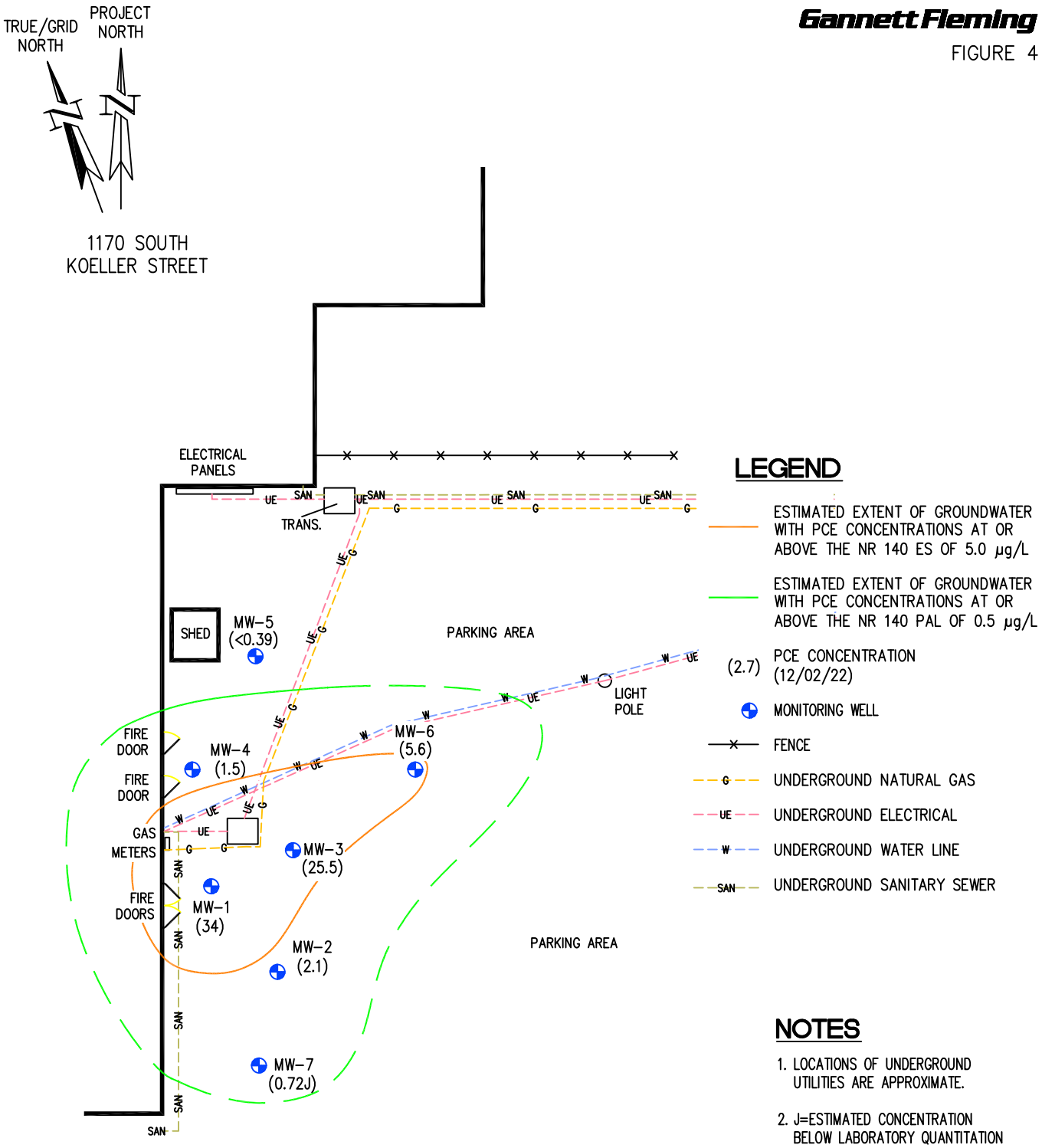
FIGURE 4



PCE CONCENTRATIONS IN GROUNDWATER (DECEMBER 2022)

KOELLER CENTER–OSHKOSH
KOELLER ONE, LLC.
OSHKOSH, WISCONSIN

0 40
Approximate Scale In Feet

031322
awm_R47358-003_2022_01SR_F04

TABLES

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KOELLER ONE, LLC
KOELLER SHOPPING CENTER
OSHKOSH, WISCONSIN

TABLE 1

WATER LEVEL ELEVATION DATA (MW-1 THROUGH MW-7)

	Monitoring Well ID and Reference Information						
Well ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**
Date Well Installed	**9/7/06**	**8/14/08**	**8/14/08**	**5/23/13**	**3/28/16**	**3/28/16**	**3/28/16**
Top of Casing Elevation (ft MSL)[1,2]	**774.19**	**773.87**	**774.17**	**774.25**	**774.10**	**773.57**	**774.04**
Top of Screen Elevation (ft MSL)	**757.45**	**762.13**	**762.43**	**762.51**	**765.8**	**764.18**	**763.91**
Bottom of Screen Elevation (ft MSL)	**747.45**	**747.13**	**747.43**	**747.51**	**750.8**	**749.18**	**748.91**
Measurement Date	Depth to Water (feet below top of casing)						
10/31/06	16.44	NI	NI	NI	NI	NI	NI
01/10/07	15.82	NI	NI	NI	NI	NI	NI
05/17/07	14.62	NI	NI	NI	NI	NI	NI
08/14/08	14.45	NI	NI	NI	NI	NI	NI
08/21/08	15.20	14.42	14.97	NI	NI	NI	NI
01/28/09	17.71	17.10	17.56	NI	NI	NI	NI
04/08/09	12.71	11.81	12.36	NI	NI	NI	NI
06/14/13[3]	16.78	11.80	12.56	13.34	NI	NI	NI
09/12/13	15.11	14.55	15.25	15.35	NI	NI	NI
03/14/14	16.37	16.05	16.60	16.56	NI	NI	NI
07/10/14	11.84	11.10	11.62	12.20	NI	NI	NI
11/19/14	14.80	14.27	14.84	15.12	NI	NI	NI
12/04/14	14.59	13.95	14.61	14.88	NI	NI	NI
03/28/16	11.05	10.45	10.78	11.41	11.51	11.06	13.51
04/12/16	11.12	10.33	10.54	11.48	11.62	11.09	9.21
06/03/16	13.04	12.10	NM	13.36	13.52	13.01	10.79
06/22/16	13.39	12.50	13.23	13.76	13.95	13.45	11.10
07/14/16	14.28	13.37	14.18	14.61	14.78	14.31	12.26
08/01/16	13.85	12.95	13.76	14.39	14.48	13.98	11.47
09/01/16	14.89	13.82	14.76	14.98	15.41	14.93	12.18
10/05/16	13.58	12.83	13.52	14.47	14.23	13.77	11.15
11/04/16	14.47	13.70	14.55	14.79	14.94	14.43	12.68
11/11/16	14.90	14.09	14.89	15.18	15.21	14.79	13.39
07/06/17	12.47	11.58	12.30	12.82	13.01	12.56	10.42
01/08/18	16.61	16.07	16.61	16.77	16.72	16.33	15.75
08/01/18	14.21	13.37	14.05	14.55	14.79	14.35	11.95
03/12/19	15.10	14.39	NM[4]	15.50	15.63	15.22	13.74
09/18/19	13.65	12.80	NM[5]	14.37	14.42	13.95	11.10
12/13/19	12.54	11.59	NM[6]	13.08	13.31	12.83	10.08
07/08/20	13.60	12.65	NM[6]	14.01	14.38	13.92	10.82
08/18/21	12.30	11.60	NM[6]	12.82	12.97	12.54	10.23
04/06/22	12.39	11.86	NM[6]	14.81	12.93	12.46	10.55
12/02/22	14.39	13.57	NM[6]	14.89	15.10	14.64	12.55

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TABLE 1

WATER LEVEL ELEVATION DATA (MW-1 THROUGH MW-7)

	Monitoring Well ID and Reference Information						
Well ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-7**
Date Well Installed	**9/7/06**	**8/14/08**	**8/14/08**	**5/23/13**	**3/28/16**	**3/28/16**	**3/28/16**
Top of Casing Elevation (ft MSL)[1,2]	**774.19**	**773.87**	**774.17**	**774.25**	**774.10**	**773.57**	**774.04**
Top of Screen Elevation (ft MSL)	**757.45**	**762.13**	**762.43**	**762.51**	**765.8**	**764.18**	**763.91**
Bottom of Screen Elevation (ft MSL)	**747.45**	**747.13**	**747.43**	**747.51**	**750.8**	**749.18**	**748.91**
Measurement Date	Water Elevation (ft MSL)						
10/31/06	757.75	NI	NI	NI	NI	NI	NI
01/10/07	758.37	NI	NI	NI	NI	NI	NI
05/17/07	759.57	NI	NI	NI	NI	NI	NI
08/14/08	759.74	NI	NI	NI	NI	NI	NI
08/21/08	758.99	759.45	759.20	NI	NI	NI	NI
01/28/09	756.48	756.77	756.61	NI	NI	NI	NI
04/08/09	761.48	762.06	761.81	NI	NI	NI	NI
06/14/13[3]	757.41	762.07	761.61	760.91	NI	NI	NI
09/12/13	759.08	759.32	758.92	758.90	NI	NI	NI
03/14/14	757.82	757.82	757.57	757.69	NI	NI	NI
07/10/14	762.35	762.77	762.55	762.05	NI	NI	NI
11/19/14	759.39	759.60	759.33	759.13	NI	NI	NI
12/04/14	759.60	759.92	759.56	759.37	NI	NI	NI
03/28/16	763.14	763.42	763.39	762.84	762.59	762.51	760.53
04/12/16	763.07	763.54	763.63	762.77	762.48	762.48	764.83
06/03/16	761.15	761.77	NM	760.89	760.58	760.56	763.25
06/22/16	760.80	761.37	760.94	760.49	760.15	760.12	762.94
07/14/16	759.91	760.50	759.99	759.64	759.32	759.26	761.78
08/01/16	760.34	760.92	760.41	759.86	759.62	759.59	762.57
09/01/16	759.30	760.05	759.41	759.27	758.69	758.64	761.86
10/05/16	760.61	761.04	760.65	759.78	759.87	759.80	762.89
11/04/16	759.72	760.17	759.62	759.46	759.16	759.14	761.36
11/11/16	759.29	759.78	759.28	759.07	758.89	758.78	760.65
07/06/17	761.72	762.29	761.87	761.43	761.09	761.01	763.62
01/08/18	757.58	757.80	757.56	757.48	757.38	757.24	758.29
08/01/18	759.98	760.50	760.12	759.70	759.31	759.22	762.09
03/12/19	759.09	759.48	NM[4]	758.75	758.47	758.35	760.30
09/18/19	760.54	761.07	NM[5]	759.88	759.68	759.62	762.94
12/13/19	761.65	762.28	NM[6]	761.17	760.79	760.74	763.96
07/08/20	760.59	761.22	NM[6]	760.24	759.72	759.65	763.22
08/18/21	761.89	762.27	NM[6]	761.43	761.13	761.03	763.81
04/06/22	761.80	762.01	NM[6]	759.44	761.17	761.11	763.49
12/02/22	759.80	760.30	NM[6]	759.36	759.00	758.93	761.49

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TABLE 1

WATER LEVEL ELEVATION DATA (MW-1 THROUGH MW-7)

NOTES:
Site datum = feet above mean sea level (ft MSL).
USGS Registered Benchmark = 776.04 ft MSL, top of nut of fire hydrant in front of Mitchell Insurance at 1746 W. 9th Ave. (Source City of Oshkosh Engineering Department, 920-236-5065.)
Local Benchmark = 776.11 ft MSL, top of nut of fire hydrant, 240 feet east of MW-1.
NI = Not installed.
NM = Not measured.

FOOTNOTES:
(1) Top of casing elevations for MW-1 thru MW-4 based on 03/14/14 survey using MW-1=774.19 ft MSL as benchmark.
(2) MW-5 thru MW-7 surveyed on 3/28/16 using MW-1 top of casing as benchmark. The top nut of the local benchmark fire hydrant was measured at 776.10 ft MSL on 3/28/16 and 4/12/16.
(3) The relatively deep groundwater elevation measured in MW-1 on 06/14/13 was likely due to field error caused by not allowing the water table to rise and stabilize after removing the air-tight cap. This phenomenon was discussed in more detail in Gannett Fleming's November 2013 *Site Investigation Report*.
(4) On 03/12/19, the MW-3 top of casing was bent and a water level probe could not reach >8" below top of casing.
(5) On 09/18/19, the MW-3 top of casing was filled with sand and debris so DTW was not measured.
(6) The top of casing is damaged and therefore an accurate DTW could not be measured.

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KOELLER ONE, LLC
KOELLER SHOPPING CENTER
OSHKOSH, WISCONSIN

TABLE 2

SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND (VOC) ANALYTICAL RESULTS

Well ID	Concentration (µg/ℓ) and Results Qualifier(s) for Detected VOCs									
Sample Date	Tetrachloroethylene	Trichloroethylene	Dichlorodifluoromethane	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Xylenes	Styrene	Toluene	Comments\Footnotes
NR 140 PAL	*0.5*	*0.5*	*200*	*96*	*0.5*	*140*	*1,000*	*10*	*200*	
NR 140 ES	**5.0**	**5.0**	**1,000**	**480**	**5.0**	**700**	**10,000**	**100**	**1,000**	
MW-1										
09/06/06	<0.50	<0.50	NA	NA	<0.50	<0.50	<1.0	NA	<0.50	
10/31/06	*2.95*	0.27	0.90	<0.15	<0.15	<0.10	<0.50	<0.10	<0.40	
01/10/07	**14.8**	<0.20	1.50	<0.15	<0.15	0.13 J	<0.50	<0.10	<0.40	
05/17/07	**12.0**	<0.20	1.30	<0.20	<0.20	<0.10	<0.60	<0.10	<0.40	
08/21/08	**54.4**	<0.40	1.95	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	
01/28/09	**36.4**	<0.40	0.82 J	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	(1)
04/08/09	**28.7**	<0.40	1.22	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	
06/14/13	**89.4**	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
09/12/13	**94.4**	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
03/13/14	**50.1**	<0.36	<0.40	<0.50	<0.50	<0.50	<0.82	<0.35	<0.44	
07/10/14	**92.3**	<0.33	<0.20	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	
12/04/14	**110**	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
04/12/16	**185**	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	**213**	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
07/06/17	**275**	0.58 U	0.39 U	0.85 U	0.85 U	0.85 U	2.60 U	0.85 U	0.85 U	Dup
01/08/18	**192**	<0.83	<0.56	<1.2	<1.2	<1.2	<3.7	<1.2	<1.2	
08/01/18	**162**	<0.64	<1.2	<2.1	<0.62	<0.55	<1.85	<1.2	<0.43	
03/12/19	**125**	<0.64	<1.2	<2.1	<0.62	<0.55	<1.85	<1.2	<0.43	Dup
09/18/19	**192**	<0.64	<1.2	<2.1	<0.62	<0.55	<1.85	<1.2	<0.43	
12/13/19	**184**	<0.64	<1.2	<2.1	<0.62	<0.55	<1.85	<1.2	<0.43	
07/08/20	**181**	<0.64	<1.2	<2.1	<0.62	<0.80	<1.85	<7.5	<0.67	
08/18/21	**120**	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	Dup
04/06/22	**129**	<0.80	<1.1	<1.1	<0.74	<0.81	<1.8	<0.89	<0.72	
12/02/22	**34**	*0.52* J	<0.68	<0.45	<0.46	0.92 J	5.0	<0.33	9.3	(2)
MW-2										
08/21/08	*0.88* J	<0.40	1.62	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	
01/28/09	*0.53* J	<0.40	1.15	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	(1)
04/08/09	*0.87* J	<0.40	1.12	<0.20	<0.20	<0.20	<0.60	<0.10	<0.40	

GANNETT FLEMING

TABLE 2

SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND (VOC) ANALYTICAL RESULTS

Well ID	Concentration (µg/ℓ) and Results Qualifier(s) for Detected VOCs									
Sample Date	Tetrachloroethylene	Trichloroethylene	Dichlorodifluoromethane	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Xylenes	Styrene	Toluene	Comments\Footnotes
NR 140 PAL	*0.5*	*0.5*	*200*	*96*	*0.5*	*140*	*1,000*	*10*	*200*	
NR 140 ES	**5.0**	**5.0**	**1,000**	**480**	**5.0**	**700**	**10,000**	**100**	**1,000**	
06/14/13	*1.5*	<0.43	0.48 J	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
09/12/13	*1.0*	<0.43	0.45 J	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
03/13/14	*0.88* J	<0.36	0.45 J	<0.50	<0.50	<0.50	<0.82	<0.35	<0.44	
07/10/14	*2.0*	<0.33	0.43 J	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	
12/04/14	*1.1*	<0.33	0.50 J	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
04/12/16	*0.95* J	<0.33	0.44 J	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	*1.6*	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
07/06/17	*1.9*	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
01/08/18	*2.0*	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
08/01/18	*2.5*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	(3)
03/12/19	*1.8*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
09/18/19	*2.6*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
12/13/19	**5.1**	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
07/08/20	**5.6**	<0.26	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	
08/18/21	*2.7*	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	
04/06/22	*1.5*	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	Dup
12/02/22	*2.1*	<0.43	<0.68	<0.45	<0.46	0.54 J	3.1 J	<0.33	8.0	(2)
MW-3										
08/21/08	*4.80*	<0.40	0.36 J	0.22 J	*0.88*	1.09	4.39	0.14 J	2.21	
01/28/09	*3.80*	<0.40	<0.30	0.21 J	0.27	0.72	2.62	0.12 J	0.65 J J	
04/08/09	**7.12**	<0.40	<0.30	<0.20	<0.20	0.36 J	1.34 J	<0.10	<0.40	
06/14/13	**8.9**	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
09/12/13	**4.9**	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	
03/13/14	**10**	<0.36	<0.40	<0.50	<0.50	<0.50	<0.82	<0.35	<0.44	
07/10/14	**22.9**	<0.33	<0.20	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	
12/04/14	**37.4**	<0.33	<0.20	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	Dup
04/12/16	**18.6**	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	**10.1**	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
07/06/17	**28.7**	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
01/08/18	**35.8**	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	Dup
08/01/18	**29.1**	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
03/12/19	**33.1**	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	

GANNETT FLEMING

TABLE 2

SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND (VOC) ANALYTICAL RESULTS

Well ID	Concentration (µg/ℓ) and Results Qualifier(s) for Detected VOCs									
Sample Date	Tetrachloroethylene	Trichloroethylene	Dichlorodifluoromethane	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Xylenes	Styrene	Toluene	Comments\Footnotes
NR 140 PAL	*0.5*	*0.5*	*200*	*96*	*0.5*	*140*	*1,000*	*10*	*200*	
NR 140 ES	**5.0**	**5.0**	**1,000**	**480**	**5.0**	**700**	**10,000**	**100**	**1,000**	
09/18/19	**81.4**	*1.1*	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
12/13/19	**45.2**	*0.63* J	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	Dup
07/08/20	**63**	0.30 J	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	
08/18/21	*4.2*	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	
04/06/22	**10.6**	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	
12/02/22	**25.5**	<0.43	<0.68	<0.45	<0.46	<0.34	1.1 J	<0.33	4.0	Dup
MW-4										
06/14/13	<0.47	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	Dup
09/12/13	*0.82* J	<0.43	<0.40	<0.57	<0.50	<0.50	<0.82	<0.35	<0.44	Dup
03/13/14	<0.47	<0.36	<0.40	<0.50	<0.50	<0.50	<0.82	<0.35	<0.44	Dup
07/10/14	*1.3*	<0.33	<0.20	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	
12/04/14	*0.77* J	<0.33	<0.20	<0.50	<0.50	<0.50	<0.82	<0.50	<0.50	
04/12/16	*1.2*	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	*0.98* J	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
07/06/17	*1.7*	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
01/08/18	<0.50	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
08/01/18	*1.3*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	(3)
03/12/19	*0.96* J	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
09/18/19	*1.5*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
12/13/19	*1.5*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
07/08/20	*1.3*	<0.26	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	
08/18/21	*1.7*	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	
04/06/22	*0.69* J	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	
12/02/22	*1.5*	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	1.4 J	
MW-5										
04/12/16	<0.47	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	<0.50	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
09/18/19	<0.33	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	0.26 J	
12/13/19	<0.33	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
07/08/20	<0.33	<0.26	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	
08/18/21	<0.39	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	

GANNETT FLEMING

TABLE 2

SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND (VOC) ANALYTICAL RESULTS

Well ID	Concentration (µg/ℓ) and Results Qualifier(s) for Detected VOCs									
Sample Date	Tetrachloroethylene	Trichloroethylene	Dichlorodifluoromethane	1,2,4-Trimethylbenzene	Benzene	Ethylbenzene	Xylenes	Styrene	Toluene	Comments\Footnotes
NR 140 PAL	*0.5*	*0.5*	*200*	*96*	*0.5*	*140*	*1,000*	*10*	*200*	
NR 140 ES	**5.0**	**5.0**	**1,000**	**480**	**5.0**	**700**	**10,000**	**100**	**1,000**	
04/06/22	<0.41	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	
12/02/22	<0.39	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	1.1 J	
MW-6										
04/12/16	<0.47	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	Dup
11/11/16	*0.54* J	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
07/06/17	*0.64* J	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
01/08/18	*2.6*	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
08/01/18	*2.15*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	Dup(3)
03/12/19	*3.0*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
09/18/19	*4.8*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
12/13/19	*4.7*	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
07/08/20	**5.25**	<0.26	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	Dup
08/18/21	**6.0**	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	
04/06/22	**7.7**	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	
12/02/22	**5.6**	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	1.8	
MW-7										
04/12/16	<0.47	<0.33	<0.20	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	
11/11/16	<0.50	<0.33	<0.22	<0.50	<0.50	<0.50	<1.50	<0.50	<0.50	Dup
09/18/19	*0.59* J	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	Dup(4)
12/13/19	*0.70* J	<0.26	<0.50	<0.84	<0.25	<0.22	<0.73	<0.47	<0.17	
07/08/20	*0.80* J	<0.26	<0.50	<0.84	<0.25	<0.32	<0.73	<3.0	<0.27	
08/18/21	*0.66* J	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	<0.45	(5)
04/06/22	<0.41	<0.32	<0.46	<0.45	<0.30	<0.33	<0.70	<0.36	<0.29	
12/02/22	*0.72* J	<0.43	<0.68	<0.45	<0.46	<0.34	<0.81	<0.33	0.96 J	

GANNETT FLEMING

TABLE 2

SUMMARY OF GROUNDWATER VOLATILE ORGANIC COMPOUND (VOC) ANALYTICAL RESULTS

NOTES:

Concentrations are in micrograms per liter (µg/ℓ).
Detected concentrations at or above an NR 140 PAL are italicized and those at or above an NR 140 ES are bold.
Duplicate (Dup) results are averaged for statistical analysis/plotting, per December 2013 ITRC guidance.
All samples except those collected on 09/06/06 were analyzed for a full suite of VOCs using EPA Method 8021 or EPA 8260B.
Only compounds detected in one or more samples are shown in this table.
J = Estimated concentration below laboratory quantitation level.
NA = Not analyzed.
NR 140 ES = Wisconsin Administrative Code NR 140 Enforcement Standard.
NR 140 PAL = Wisconsin Administrative Code NR 140 Preventive Action Limit.
PCE = Tetrachloroethylene.
TCE = Trichloroethylene.
U=Compound not detected at or above the average of the limits of detection measured in the sample & its duplicate.

FOOTNOTES:

(1) The 01/28/09 trip blank contained 0.84 J µg/ℓ of chloromethane as did MW-1 (0.47 J µg/ℓ) and MW-2 (1.27 µg/ℓ).
(2) On 12/02/22: 1,1,2-trichloroethane (0.64 J ug/ℓ), 2-butanone (6.9 ug/ℓ), and acetone (13 J ug/ℓ) were detected in MW-1; and 2-butanone (6.0 ug/ℓ) and acetone (11 J ug/ℓ) were detected in MW-2. Only 1,1,2-trichloroethane was slightly above its NR 140 PAL of 0.5 ug/ℓ. All other VOC concentrations were below their respective NR 140 PALs. No VOCs were detected in the trip blank.
(3) Methylene chloride was detected at concentrations above its method detection limit but below its quantitation limit in the samples collected on 08/01/18 from MW-2 (at 1.0 ug/ℓ), MW-4 (0.75 ug/ℓ), and the two samples collected from MW-6 (1.4 and 0.72 ug/ℓ).
(4) Chloromethane was detected above its method detection limit but below its quantitation limit in the duplicate sample for MW-7 (2.5 ug/ℓ).
(5) Chloromethane was detected above its method detection limit but below its quantitation limit in the sample collected from MW-7 (0.86 J ug/ℓ).

ATTACHMENT A

LAB REPORTS AND CHAIN OF CUSTODY RECORDS FOR GROUNDWATER SAMPLES

COLLECTED IN 2022

GANNETT FLEMING

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

April 18, 2022

The analytical results and QA/QC data included with this report were reviewed by CJP on 12/28/22

Tony Miller
Gannett Fleming
8040 Excelsior Drive, Ste 303
Madison, WI 53717

RE: Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Dear Tony Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on April 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

cc: Marcus Mussey, Gannett Fleming Inc.
Chelsea Payne, Gannett Fleming Inc.

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

CERTIFICATIONS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Pace Analytical Services Green Bay
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

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

SAMPLE SUMMARY

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40243086001	**MW-1**	Water	04/06/22 13:45	04/07/22 12:50
40243086002	**MW-2**	Water	04/06/22 14:30	04/07/22 12:50
40243086003	**MW-2 DUP**	Water	04/06/22 14:30	04/07/22 12:50
40243086004	**MW-3**	Water	04/06/22 14:20	04/07/22 12:50
40243086005	**MW-4**	Water	04/06/22 14:45	04/07/22 12:50
40243086006	**MW-5**	Water	04/06/22 15:20	04/07/22 12:50
40243086007	**MW-6**	Water	04/06/22 14:00	04/07/22 12:50
40243086008	**MW-7**	Water	04/06/22 15:30	04/07/22 12:50
40243086009	**TRIP BLANK**	Water	04/06/22 00:00	04/07/22 12:50

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SAMPLE ANALYTE COUNT

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40243086001	**MW-1**	EPA 8260	LAP	63
40243086002	**MW-2**	EPA 8260	SMT	63
40243086003	**MW-2 DUP**	EPA 8260	SMT	63
40243086004	**MW-3**	EPA 8260	SMT	63
40243086005	**MW-4**	EPA 8260	LAP	63
40243086006	**MW-5**	EPA 8260	LAP	63
40243086007	**MW-6**	EPA 8260	LAP	63
40243086008	**MW-7**	EPA 8260	LAP	63
40243086009	**TRIP BLANK**	EPA 8260	LAP	63

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SUMMARY OF DETECTION

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40243086001	**MW-1**					
EPA 8260	Tetrachloroethene	129	ug/L	2.5	04/11/22 14:34	
40243086002	**MW-2**					
EPA 8260	Tetrachloroethene	1.4	ug/L	1.0	04/13/22 18:25	
40243086003	**MW-2 DUP**					
EPA 8260	Tetrachloroethene	1.5	ug/L	1.0	04/13/22 18:45	
40243086004	**MW-3**					
EPA 8260	Tetrachloroethene	10.6	ug/L	1.0	04/13/22 19:04	
40243086005	**MW-4**					
EPA 8260	Tetrachloroethene	0.69J	ug/L	1.0	04/11/22 17:34	
40243086007	**MW-6**					
EPA 8260	Tetrachloroethene	7.7	ug/L	1.0	04/11/22 18:52	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-1 **Lab ID: 40243086001** Collected: 04/06/22 13:45 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.89**	ug/L	2.5	0.89	2.5		04/11/22 14:34	630-20-6	
1,1,1-Trichloroethane	**<0.76**	ug/L	2.5	0.76	2.5		04/11/22 14:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.94**	ug/L	2.5	0.94	2.5		04/11/22 14:34	79-34-5	
1,1,2-Trichloroethane	**<0.86**	ug/L	12.5	0.86	2.5		04/11/22 14:34	79-00-5	
1,1-Dichloroethane	**<0.74**	ug/L	2.5	0.74	2.5		04/11/22 14:34	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		04/11/22 14:34	75-35-4	
1,1-Dichloropropene	**<1.0**	ug/L	2.5	1.0	2.5		04/11/22 14:34	563-58-6	
1,2,3-Trichlorobenzene	**<2.5**	ug/L	12.5	2.5	2.5		04/11/22 14:34	87-61-6	
1,2,3-Trichloropropane	**<1.4**	ug/L	12.5	1.4	2.5		04/11/22 14:34	96-18-4	
1,2,4-Trichlorobenzene	**<2.4**	ug/L	12.5	2.4	2.5		04/11/22 14:34	120-82-1	
1,2,4-Trimethylbenzene	**<1.1**	ug/L	2.5	1.1	2.5		04/11/22 14:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		04/11/22 14:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		04/11/22 14:34	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/11/22 14:34	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		04/11/22 14:34	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		04/11/22 14:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.89**	ug/L	2.5	0.89	2.5		04/11/22 14:34	108-67-8	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		04/11/22 14:34	541-73-1	
1,3-Dichloropropane	**<0.76**	ug/L	2.5	0.76	2.5		04/11/22 14:34	142-28-9	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		04/11/22 14:34	106-46-7	
2,2-Dichloropropane	**<10.4**	ug/L	12.5	10.4	2.5		04/11/22 14:34	594-20-7	
2-Chlorotoluene	**<2.2**	ug/L	12.5	2.2	2.5		04/11/22 14:34	95-49-8	
4-Chlorotoluene	**<2.2**	ug/L	12.5	2.2	2.5		04/11/22 14:34	106-43-4	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		04/11/22 14:34	71-43-2	
Bromobenzene	**<0.90**	ug/L	2.5	0.90	2.5		04/11/22 14:34	108-86-1	
Bromochloromethane	**<0.89**	ug/L	12.5	0.89	2.5		04/11/22 14:34	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/11/22 14:34	75-27-4	
Bromoform	**<9.5**	ug/L	12.5	9.5	2.5		04/11/22 14:34	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		04/11/22 14:34	74-83-9	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		04/11/22 14:34	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		04/11/22 14:34	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		04/11/22 14:34	75-00-3	
Chloroform	**<3.0**	ug/L	12.5	3.0	2.5		04/11/22 14:34	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		04/11/22 14:34	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		04/11/22 14:34	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		04/11/22 14:34	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		04/11/22 14:34	75-71-8	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/11/22 14:34	100-41-4	
Hexachloro-1,3-butadiene	**<6.8**	ug/L	12.5	6.8	2.5		04/11/22 14:34	87-68-3	
Isopropylbenzene (Cumene)	**<2.5**	ug/L	12.5	2.5	2.5		04/11/22 14:34	98-82-8	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		04/11/22 14:34	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		04/11/22 14:34	75-09-2	
Naphthalene	**<2.8**	ug/L	12.5	2.8	2.5		04/11/22 14:34	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		04/11/22 14:34	100-42-5	
Tetrachloroethene	**129**	ug/L	2.5	1.0	2.5		04/11/22 14:34	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-1 **Lab ID: 40243086001** Collected: 04/06/22 13:45 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		04/11/22 14:34	108-88-3	
Trichloroethene	**<0.80**	ug/L	2.5	0.80	2.5		04/11/22 14:34	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/11/22 14:34	75-69-4	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		04/11/22 14:34	75-01-4	
cis-1,2-Dichloroethene	**<1.2**	ug/L	2.5	1.2	2.5		04/11/22 14:34	156-59-2	
cis-1,3-Dichloropropene	**<0.90**	ug/L	2.5	0.90	2.5		04/11/22 14:34	10061-01-5	
m&p-Xylene	**<1.8**	ug/L	5.0	1.8	2.5		04/11/22 14:34	179601-23-1	
n-Butylbenzene	**<2.1**	ug/L	2.5	2.1	2.5		04/11/22 14:34	104-51-8	
n-Propylbenzene	**<0.86**	ug/L	2.5	0.86	2.5		04/11/22 14:34	103-65-1	
o-Xylene	**<0.87**	ug/L	2.5	0.87	2.5		04/11/22 14:34	95-47-6	
p-Isopropyltoluene	**<2.6**	ug/L	12.5	2.6	2.5		04/11/22 14:34	99-87-6	
sec-Butylbenzene	**<1.1**	ug/L	2.5	1.1	2.5		04/11/22 14:34	135-98-8	
tert-Butylbenzene	**<1.5**	ug/L	2.5	1.5	2.5		04/11/22 14:34	98-06-6	
trans-1,2-Dichloroethene	**<1.3**	ug/L	2.5	1.3	2.5		04/11/22 14:34	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	12.5	8.7	2.5		04/11/22 14:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		2.5		04/11/22 14:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		2.5		04/11/22 14:34	2199-69-1	
Toluene-d8 (S)	92	%	70-130		2.5		04/11/22 14:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-2 **Lab ID: 40243086002** Collected: 04/06/22 14:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:25	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/13/22 18:25	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/13/22 18:25	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:25	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/13/22 18:25	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/13/22 18:25	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:25	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/13/22 18:25	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/13/22 18:25	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/13/22 18:25	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/13/22 18:25	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/13/22 18:25	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 18:25	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/13/22 18:25	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/13/22 18:25	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:25	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:25	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:25	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/13/22 18:25	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/13/22 18:25	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 18:25	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 18:25	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:25	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:25	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/13/22 18:25	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:25	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/13/22 18:25	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/13/22 18:25	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/13/22 18:25	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 18:25	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/13/22 18:25	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/13/22 18:25	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/13/22 18:25	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/13/22 18:25	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/13/22 18:25	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/13/22 18:25	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 18:25	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/13/22 18:25	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:25	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/13/22 18:25	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/13/22 18:25	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/13/22 18:25	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:25	100-42-5	
Tetrachloroethene	**1.4**	ug/L	1.0	0.41	1		04/13/22 18:25	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-2 **Lab ID: 40243086002** Collected: 04/06/22 14:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/13/22 18:25	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/13/22 18:25	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:25	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/13/22 18:25	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/13/22 18:25	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:25	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/13/22 18:25	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 18:25	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:25	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:25	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:25	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:25	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/13/22 18:25	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/13/22 18:25	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/13/22 18:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/13/22 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/13/22 18:25	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/13/22 18:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-2 DUP **Lab ID: 40243086003** Collected: 04/06/22 14:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:45	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/13/22 18:45	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/13/22 18:45	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:45	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/13/22 18:45	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/13/22 18:45	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:45	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/13/22 18:45	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/13/22 18:45	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/13/22 18:45	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/13/22 18:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/13/22 18:45	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 18:45	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/13/22 18:45	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/13/22 18:45	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:45	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:45	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:45	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/13/22 18:45	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/13/22 18:45	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 18:45	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 18:45	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/13/22 18:45	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:45	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/13/22 18:45	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:45	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/13/22 18:45	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/13/22 18:45	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/13/22 18:45	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 18:45	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/13/22 18:45	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/13/22 18:45	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/13/22 18:45	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/13/22 18:45	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/13/22 18:45	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/13/22 18:45	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 18:45	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/13/22 18:45	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:45	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/13/22 18:45	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/13/22 18:45	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/13/22 18:45	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:45	100-42-5	
Tetrachloroethene	**1.5**	ug/L	1.0	0.41	1		04/13/22 18:45	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-2 DUP **Lab ID: 40243086003** Collected: 04/06/22 14:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/13/22 18:45	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/13/22 18:45	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:45	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/13/22 18:45	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/13/22 18:45	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 18:45	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/13/22 18:45	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 18:45	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:45	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 18:45	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 18:45	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/13/22 18:45	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/13/22 18:45	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/13/22 18:45	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/13/22 18:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/13/22 18:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/13/22 18:45	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/13/22 18:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-3 **Lab ID: 40243086004** Collected: 04/06/22 14:20 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/13/22 19:04	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 19:04	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/13/22 19:04	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/13/22 19:04	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 19:04	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/13/22 19:04	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/13/22 19:04	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 19:04	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/13/22 19:04	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/13/22 19:04	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/13/22 19:04	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/13/22 19:04	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/13/22 19:04	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 19:04	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/13/22 19:04	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/13/22 19:04	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 19:04	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 19:04	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/13/22 19:04	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/13/22 19:04	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/13/22 19:04	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 19:04	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/13/22 19:04	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/13/22 19:04	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 19:04	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/13/22 19:04	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 19:04	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/13/22 19:04	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/13/22 19:04	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/13/22 19:04	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 19:04	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/13/22 19:04	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/13/22 19:04	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/13/22 19:04	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/13/22 19:04	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/13/22 19:04	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/13/22 19:04	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/13/22 19:04	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/13/22 19:04	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/13/22 19:04	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/13/22 19:04	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/13/22 19:04	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/13/22 19:04	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 19:04	100-42-5	
Tetrachloroethene	**10.6**	ug/L	1.0	0.41	1		04/13/22 19:04	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-3 **Lab ID: 40243086004** Collected: 04/06/22 14:20 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/13/22 19:04	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/13/22 19:04	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/13/22 19:04	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/13/22 19:04	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/13/22 19:04	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/13/22 19:04	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/13/22 19:04	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/13/22 19:04	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 19:04	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/13/22 19:04	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/13/22 19:04	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/13/22 19:04	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/13/22 19:04	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/13/22 19:04	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/13/22 19:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/13/22 19:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/13/22 19:04	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/13/22 19:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-4 **Lab ID: 40243086005** Collected: 04/06/22 14:45 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:34	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:34	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/11/22 17:34	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 17:34	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:34	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 17:34	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 17:34	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:34	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/11/22 17:34	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/11/22 17:34	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/11/22 17:34	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 17:34	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 17:34	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 17:34	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 17:34	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 17:34	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:34	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:34	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:34	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 17:34	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/11/22 17:34	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 17:34	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 17:34	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:34	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:34	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/11/22 17:34	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:34	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 17:34	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 17:34	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 17:34	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 17:34	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 17:34	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 17:34	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 17:34	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 17:34	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 17:34	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 17:34	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 17:34	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/11/22 17:34	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:34	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 17:34	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 17:34	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 17:34	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:34	100-42-5	
Tetrachloroethene	**0.69J**	ug/L	1.0	0.41	1		04/11/22 17:34	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-4 **Lab ID: 40243086005** Collected: 04/06/22 14:45 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 17:34	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 17:34	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:34	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/11/22 17:34	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 17:34	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:34	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/11/22 17:34	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 17:34	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:34	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:34	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:34	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:34	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/11/22 17:34	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 17:34	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 17:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/11/22 17:34	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		04/11/22 17:34	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/11/22 17:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-5 **Lab ID: 40243086006** Collected: 04/06/22 15:20 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:53	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:53	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/11/22 17:53	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 17:53	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:53	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 17:53	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 17:53	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:53	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/11/22 17:53	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/11/22 17:53	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/11/22 17:53	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 17:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 17:53	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 17:53	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 17:53	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 17:53	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:53	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:53	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:53	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 17:53	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/11/22 17:53	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 17:53	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 17:53	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 17:53	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:53	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/11/22 17:53	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 17:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 17:53	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 17:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 17:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 17:53	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 17:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 17:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 17:53	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 17:53	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 17:53	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 17:53	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/11/22 17:53	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:53	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 17:53	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 17:53	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 17:53	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:53	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 17:53	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-5 **Lab ID: 40243086006** Collected: 04/06/22 15:20 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 17:53	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 17:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/11/22 17:53	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 17:53	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 17:53	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/11/22 17:53	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 17:53	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:53	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 17:53	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 17:53	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/11/22 17:53	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/11/22 17:53	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 17:53	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 17:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/11/22 17:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/11/22 17:53	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		04/11/22 17:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-6 **Lab ID: 40243086007** Collected: 04/06/22 14:00 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:52	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/11/22 18:52	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 18:52	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:52	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 18:52	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 18:52	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:52	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/11/22 18:52	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/11/22 18:52	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/11/22 18:52	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 18:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 18:52	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 18:52	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 18:52	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 18:52	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:52	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:52	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:52	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 18:52	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/11/22 18:52	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 18:52	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 18:52	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:52	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/11/22 18:52	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:52	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 18:52	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 18:52	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 18:52	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 18:52	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 18:52	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 18:52	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 18:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 18:52	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 18:52	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 18:52	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 18:52	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/11/22 18:52	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:52	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 18:52	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 18:52	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 18:52	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:52	100-42-5	
Tetrachloroethene	**7.7**	ug/L	1.0	0.41	1		04/11/22 18:52	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-6 **Lab ID: 40243086007** Collected: 04/06/22 14:00 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 18:52	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 18:52	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/11/22 18:52	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 18:52	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:52	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/11/22 18:52	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 18:52	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:52	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:52	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:52	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:52	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/11/22 18:52	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 18:52	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 18:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/11/22 18:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		04/11/22 18:52	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		04/11/22 18:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-7 **Lab ID: 40243086008** Collected: 04/06/22 15:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:13	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/11/22 18:13	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 18:13	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:13	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 18:13	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 18:13	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:13	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/11/22 18:13	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/11/22 18:13	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/11/22 18:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 18:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 18:13	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 18:13	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 18:13	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 18:13	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:13	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:13	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:13	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 18:13	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/11/22 18:13	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 18:13	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 18:13	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 18:13	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:13	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/11/22 18:13	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 18:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 18:13	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 18:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 18:13	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 18:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 18:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 18:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 18:13	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 18:13	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 18:13	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 18:13	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/11/22 18:13	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:13	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 18:13	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 18:13	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 18:13	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:13	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 18:13	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: MW-7 **Lab ID: 40243086008** Collected: 04/06/22 15:30 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 18:13	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 18:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/11/22 18:13	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 18:13	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 18:13	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/11/22 18:13	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 18:13	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:13	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 18:13	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 18:13	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/11/22 18:13	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/11/22 18:13	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 18:13	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 18:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/11/22 18:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		04/11/22 18:13	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		04/11/22 18:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: TRIP BLANK **Lab ID: 40243086009** Collected: 04/06/22 00:00 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	1.0	0.36	1		04/11/22 14:15	630-20-6	
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 14:15	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.38**	ug/L	1.0	0.38	1		04/11/22 14:15	79-34-5	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 14:15	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 14:15	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 14:15	75-35-4	
1,1-Dichloropropene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 14:15	563-58-6	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 14:15	87-61-6	
1,2,3-Trichloropropane	**<0.56**	ug/L	5.0	0.56	1		04/11/22 14:15	96-18-4	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		04/11/22 14:15	120-82-1	
1,2,4-Trimethylbenzene	**<0.45**	ug/L	1.0	0.45	1		04/11/22 14:15	95-63-6	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 14:15	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 14:15	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 14:15	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 14:15	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 14:15	78-87-5	
1,3,5-Trimethylbenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 14:15	108-67-8	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 14:15	541-73-1	
1,3-Dichloropropane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 14:15	142-28-9	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 14:15	106-46-7	
2,2-Dichloropropane	**<4.2**	ug/L	5.0	4.2	1		04/11/22 14:15	594-20-7	
2-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 14:15	95-49-8	
4-Chlorotoluene	**<0.89**	ug/L	5.0	0.89	1		04/11/22 14:15	106-43-4	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 14:15	71-43-2	
Bromobenzene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 14:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		04/11/22 14:15	74-97-5	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 14:15	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 14:15	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 14:15	74-83-9	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 14:15	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 14:15	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 14:15	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 14:15	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 14:15	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 14:15	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 14:15	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 14:15	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 14:15	100-41-4	
Hexachloro-1,3-butadiene	**<2.7**	ug/L	5.0	2.7	1		04/11/22 14:15	87-68-3	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	5.0	1.0	1		04/11/22 14:15	98-82-8	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 14:15	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 14:15	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 14:15	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 14:15	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 14:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Sample: TRIP BLANK **Lab ID: 40243086009** Collected: 04/06/22 00:00 Received: 04/07/22 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 14:15	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 14:15	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 14:15	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/11/22 14:15	75-01-4	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 14:15	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 14:15	10061-01-5	
m&p-Xylene	**<0.70**	ug/L	2.0	0.70	1		04/11/22 14:15	179601-23-1	
n-Butylbenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 14:15	104-51-8	
n-Propylbenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 14:15	103-65-1	
o-Xylene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 14:15	95-47-6	
p-Isopropyltoluene	**<1.0**	ug/L	5.0	1.0	1		04/11/22 14:15	99-87-6	
sec-Butylbenzene	**<0.42**	ug/L	1.0	0.42	1		04/11/22 14:15	135-98-8	
tert-Butylbenzene	**<0.59**	ug/L	1.0	0.59	1		04/11/22 14:15	98-06-6	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 14:15	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 14:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		04/11/22 14:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	70-130		1		04/11/22 14:15	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		04/11/22 14:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

QC Batch: 412610
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243086001, 40243086005, 40243086006, 40243086007, 40243086008, 40243086009

METHOD BLANK: 2376207 Matrix: Water
Associated Lab Samples: 40243086001, 40243086005, 40243086006, 40243086007, 40243086008, 40243086009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/11/22 08:21	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/11/22 08:21	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/11/22 08:21	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/11/22 08:21	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/11/22 08:21	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/11/22 08:21	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/11/22 08:21	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/11/22 08:21	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/11/22 08:21	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/11/22 08:21	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/11/22 08:21	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/11/22 08:21	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/11/22 08:21	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/11/22 08:21	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/11/22 08:21	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/11/22 08:21	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/11/22 08:21	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/11/22 08:21	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/11/22 08:21	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/11/22 08:21	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/11/22 08:21	
2-Chlorotoluene	ug/L	<0.89	5.0	04/11/22 08:21	
4-Chlorotoluene	ug/L	<0.89	5.0	04/11/22 08:21	
Benzene	ug/L	<0.30	1.0	04/11/22 08:21	
Bromobenzene	ug/L	<0.36	1.0	04/11/22 08:21	
Bromochloromethane	ug/L	<0.36	5.0	04/11/22 08:21	
Bromodichloromethane	ug/L	<0.42	1.0	04/11/22 08:21	
Bromoform	ug/L	<3.8	5.0	04/11/22 08:21	
Bromomethane	ug/L	<1.2	5.0	04/11/22 08:21	
Carbon tetrachloride	ug/L	<0.37	1.0	04/11/22 08:21	
Chlorobenzene	ug/L	<0.86	1.0	04/11/22 08:21	
Chloroethane	ug/L	<1.4	5.0	04/11/22 08:21	
Chloroform	ug/L	<1.2	5.0	04/11/22 08:21	
Chloromethane	ug/L	<1.6	5.0	04/11/22 08:21	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/11/22 08:21	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/11/22 08:21	
Dibromochloromethane	ug/L	<2.6	5.0	04/11/22 08:21	
Dibromomethane	ug/L	<0.99	5.0	04/11/22 08:21	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/11/22 08:21	
Ethylbenzene	ug/L	<0.33	1.0	04/11/22 08:21	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

METHOD BLANK: 2376207 Matrix: Water
Associated Lab Samples: 40243086001, 40243086005, 40243086006, 40243086007, 40243086008, 40243086009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/11/22 08:21	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/11/22 08:21	
m&p-Xylene	ug/L	<0.70	2.0	04/11/22 08:21	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/11/22 08:21	
Methylene Chloride	ug/L	<0.32	5.0	04/11/22 08:21	
n-Butylbenzene	ug/L	<0.86	1.0	04/11/22 08:21	
n-Propylbenzene	ug/L	<0.35	1.0	04/11/22 08:21	
Naphthalene	ug/L	<1.1	5.0	04/11/22 08:21	
o-Xylene	ug/L	<0.35	1.0	04/11/22 08:21	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/11/22 08:21	
sec-Butylbenzene	ug/L	<0.42	1.0	04/11/22 08:21	
Styrene	ug/L	<0.36	1.0	04/11/22 08:21	
tert-Butylbenzene	ug/L	<0.59	1.0	04/11/22 08:21	
Tetrachloroethene	ug/L	<0.41	1.0	04/11/22 08:21	
Toluene	ug/L	<0.29	1.0	04/11/22 08:21	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/11/22 08:21	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/11/22 08:21	
Trichloroethene	ug/L	<0.32	1.0	04/11/22 08:21	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/11/22 08:21	
Vinyl chloride	ug/L	<0.17	1.0	04/11/22 08:21	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	04/11/22 08:21	
4-Bromofluorobenzene (S)	%	99	70-130	04/11/22 08:21	
Toluene-d8 (S)	%	94	70-130	04/11/22 08:21	

LABORATORY CONTROL SAMPLE: 2376208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.4	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	66-130	
1,1,2-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1-Dichloroethane	ug/L	50	59.9	120	68-132	
1,1-Dichloroethene	ug/L	50	53.5	107	85-126	
1,2,4-Trichlorobenzene	ug/L	50	49.3	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.4	89	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	46.6	93	70-130	
1,2-Dichlorobenzene	ug/L	50	54.8	110	70-130	
1,2-Dichloroethane	ug/L	50	51.2	102	70-130	
1,2-Dichloropropane	ug/L	50	59.5	119	78-125	
1,3-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,4-Dichlorobenzene	ug/L	50	53.4	107	70-130	
Benzene	ug/L	50	55.7	111	70-132	
Bromodichloromethane	ug/L	50	55.6	111	70-130	
Bromoform	ug/L	50	54.1	108	65-130	
Bromomethane	ug/L	50	36.1	72	44-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

LABORATORY CONTROL SAMPLE: 2376208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	57.6	115	70-130	
Chlorobenzene	ug/L	50	54.7	109	70-130	
Chloroethane	ug/L	50	57.0	114	73-137	
Chloroform	ug/L	50	54.3	109	80-122	
Chloromethane	ug/L	50	35.5	71	27-148	
cis-1,2-Dichloroethene	ug/L	50	48.9	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	70-130	
Dibromochloromethane	ug/L	50	49.2	98	70-130	
Dichlorodifluoromethane	ug/L	50	23.6	47	22-151	
Ethylbenzene	ug/L	50	57.7	115	80-123	
Isopropylbenzene (Cumene)	ug/L	50	61.4	123	70-130	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	47.3	95	66-130	
Methylene Chloride	ug/L	50	57.4	115	70-130	
o-Xylene	ug/L	50	54.5	109	70-130	
Styrene	ug/L	50	61.9	124	70-130	
Tetrachloroethene	ug/L	50	56.3	113	70-130	
Toluene	ug/L	50	52.2	104	80-121	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.4	91	58-125	
Trichloroethene	ug/L	50	54.4	109	70-130	
Trichlorofluoromethane	ug/L	50	57.8	116	84-148	
Vinyl chloride	ug/L	50	50.1	100	63-142	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376209 2376210

Parameter	Units	40243103004 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	16.4	50	50	69.9	68.2	107	103	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	47.8	51.0	96	102	66-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	49.6	50.5	99	101	70-130	2	20	
1,1-Dichloroethane	ug/L	14.3	50	50	68.5	69.4	108	110	68-132	1	20	
1,1-Dichloroethene	ug/L	3.0	50	50	51.9	53.1	98	100	76-132	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	47.6	49.0	95	98	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	41.3	40.8	83	82	51-126	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	46.1	49.8	92	100	70-130	8	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	53.1	54.6	106	109	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	49.8	50.2	100	100	70-130	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	58.8	56.1	118	112	77-125	5	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.3	51.4	103	103	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	53.1	53.9	106	108	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376209 2376210

Parameter	Units	40243103004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.30	50	50	53.3	53.7	107	107	70-132	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	53.6	54.7	107	109	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	52.7	56.0	105	112	65-130	6	20	
Bromomethane	ug/L	<1.2	50	50	34.0	32.6	68	65	44-128	4	21	
Carbon tetrachloride	ug/L	<0.37	50	50	54.5	54.4	109	109	70-132	0	20	
Chlorobenzene	ug/L	<0.86	50	50	54.6	55.6	109	111	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	50.3	49.0	101	98	70-137	3	20	
Chloroform	ug/L	<1.2	50	50	52.9	52.3	106	105	80-122	1	20	
Chloromethane	ug/L	<1.6	50	50	28.5	28.1	57	56	17-149	2	20	
cis-1,2-Dichloroethene	ug/L	6.3	50	50	53.0	52.1	93	92	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	50.0	48.2	100	96	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.4	49.3	97	99	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	13.0	12.9	26	26	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	56.9	57.7	114	115	80-123	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	60.7	63.4	121	127	70-130	4	20	
m&p-Xylene	ug/L	<0.70	100	100	116	119	116	119	70-130	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.3	45.3	91	91	66-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	56.3	56.0	113	112	70-130	0	20	
o-Xylene	ug/L	<0.35	50	50	54.7	57.0	109	114	70-130	4	20	
Styrene	ug/L	<0.36	50	50	57.1	60.5	114	121	70-130	6	20	
Tetrachloroethene	ug/L	<0.41	50	50	53.0	55.4	106	111	70-130	4	20	
Toluene	ug/L	<0.29	50	50	53.4	54.6	107	109	80-121	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	52.3	52.8	105	106	70-134	1	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	43.9	46.5	88	93	58-130	6	20	
Trichloroethene	ug/L	3.1	50	50	55.2	56.1	104	106	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	52.2	52.1	104	104	82-151	0	20	
Vinyl chloride	ug/L	<0.17	50	50	41.7	41.5	83	83	61-143	0	20	
1,2-Dichlorobenzene-d4 (S)	%						98	99	70-130			
4-Bromofluorobenzene (S)	%						103	103	70-130			
Toluene-d8 (S)	%						96	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

QC Batch: 412923
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243086002, 40243086003, 40243086004

METHOD BLANK: 2377642 Matrix: Water
Associated Lab Samples: 40243086002, 40243086003, 40243086004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.36	1.0	04/13/22 15:11	
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/13/22 15:11	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	04/13/22 15:11	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/13/22 15:11	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/13/22 15:11	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/13/22 15:11	
1,1-Dichloropropene	ug/L	<0.41	1.0	04/13/22 15:11	
1,2,3-Trichlorobenzene	ug/L	<1.0	5.0	04/13/22 15:11	
1,2,3-Trichloropropane	ug/L	<0.56	5.0	04/13/22 15:11	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/13/22 15:11	
1,2,4-Trimethylbenzene	ug/L	<0.45	1.0	04/13/22 15:11	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/13/22 15:11	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/13/22 15:11	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/13/22 15:11	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/13/22 15:11	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/13/22 15:11	
1,3,5-Trimethylbenzene	ug/L	<0.36	1.0	04/13/22 15:11	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/13/22 15:11	
1,3-Dichloropropane	ug/L	<0.30	1.0	04/13/22 15:11	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/13/22 15:11	
2,2-Dichloropropane	ug/L	<4.2	5.0	04/13/22 15:11	
2-Chlorotoluene	ug/L	<0.89	5.0	04/13/22 15:11	
4-Chlorotoluene	ug/L	<0.89	5.0	04/13/22 15:11	
Benzene	ug/L	<0.30	1.0	04/13/22 15:11	
Bromobenzene	ug/L	<0.36	1.0	04/13/22 15:11	
Bromochloromethane	ug/L	<0.36	5.0	04/13/22 15:11	
Bromodichloromethane	ug/L	<0.42	1.0	04/13/22 15:11	
Bromoform	ug/L	<3.8	5.0	04/13/22 15:11	
Bromomethane	ug/L	<1.2	5.0	04/13/22 15:11	
Carbon tetrachloride	ug/L	<0.37	1.0	04/13/22 15:11	
Chlorobenzene	ug/L	<0.86	1.0	04/13/22 15:11	
Chloroethane	ug/L	<1.4	5.0	04/13/22 15:11	
Chloroform	ug/L	<1.2	5.0	04/13/22 15:11	
Chloromethane	ug/L	<1.6	5.0	04/13/22 15:11	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/13/22 15:11	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/13/22 15:11	
Dibromochloromethane	ug/L	<2.6	5.0	04/13/22 15:11	
Dibromomethane	ug/L	<0.99	5.0	04/13/22 15:11	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/13/22 15:11	
Ethylbenzene	ug/L	<0.33	1.0	04/13/22 15:11	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

METHOD BLANK: 2377642 Matrix: Water
Associated Lab Samples: 40243086002, 40243086003, 40243086004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.7	5.0	04/13/22 15:11	
Isopropylbenzene (Cumene)	ug/L	<1.0	5.0	04/13/22 15:11	
m&p-Xylene	ug/L	<0.70	2.0	04/13/22 15:11	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/13/22 15:11	
Methylene Chloride	ug/L	<0.32	5.0	04/13/22 15:11	
n-Butylbenzene	ug/L	<0.86	1.0	04/13/22 15:11	
n-Propylbenzene	ug/L	<0.35	1.0	04/13/22 15:11	
Naphthalene	ug/L	<1.1	5.0	04/13/22 15:11	
o-Xylene	ug/L	<0.35	1.0	04/13/22 15:11	
p-Isopropyltoluene	ug/L	<1.0	5.0	04/13/22 15:11	
sec-Butylbenzene	ug/L	<0.42	1.0	04/13/22 15:11	
Styrene	ug/L	<0.36	1.0	04/13/22 15:11	
tert-Butylbenzene	ug/L	<0.59	1.0	04/13/22 15:11	
Tetrachloroethene	ug/L	<0.41	1.0	04/13/22 15:11	
Toluene	ug/L	<0.29	1.0	04/13/22 15:11	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/13/22 15:11	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/13/22 15:11	
Trichloroethene	ug/L	<0.32	1.0	04/13/22 15:11	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/13/22 15:11	
Vinyl chloride	ug/L	<0.17	1.0	04/13/22 15:11	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	04/13/22 15:11	
4-Bromofluorobenzene (S)	%	104	70-130	04/13/22 15:11	
Toluene-d8 (S)	%	101	70-130	04/13/22 15:11	

LABORATORY CONTROL SAMPLE: 2377643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	66-130	
1,1,2-Trichloroethane	ug/L	50	51.8	104	70-130	
1,1-Dichloroethane	ug/L	50	51.8	104	68-132	
1,1-Dichloroethene	ug/L	50	53.5	107	85-126	
1,2,4-Trichlorobenzene	ug/L	50	45.7	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	41.8	84	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	45.6	91	70-130	
1,2-Dichlorobenzene	ug/L	50	46.9	94	70-130	
1,2-Dichloroethane	ug/L	50	48.3	97	70-130	
1,2-Dichloropropane	ug/L	50	50.1	100	78-125	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
Benzene	ug/L	50	50.8	102	70-132	
Bromodichloromethane	ug/L	50	48.9	98	70-130	
Bromoform	ug/L	50	49.1	98	65-130	
Bromomethane	ug/L	50	40.6	81	44-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

LABORATORY CONTROL SAMPLE: 2377643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	54.9	110	70-130	
Chlorobenzene	ug/L	50	49.8	100	70-130	
Chloroethane	ug/L	50	56.4	113	73-137	
Chloroform	ug/L	50	52.1	104	80-122	
Chloromethane	ug/L	50	60.9	122	27-148	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Dibromochloromethane	ug/L	50	48.0	96	70-130	
Dichlorodifluoromethane	ug/L	50	57.2	114	22-151	
Ethylbenzene	ug/L	50	52.1	104	80-123	
Isopropylbenzene (Cumene)	ug/L	50	53.2	106	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	48.7	97	66-130	
Methylene Chloride	ug/L	50	51.6	103	70-130	
o-Xylene	ug/L	50	50.9	102	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
Toluene	ug/L	50	50.6	101	80-121	
trans-1,2-Dichloroethene	ug/L	50	53.4	107	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	58-125	
Trichloroethene	ug/L	50	52.3	105	70-130	
Trichlorofluoromethane	ug/L	50	50.3	101	84-148	
Vinyl chloride	ug/L	50	57.2	114	63-142	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378329 2378330

Parameter	Units	40243259002 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	<0.30	50	50	49.2	57.2	98	114	70-130	15	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	51.2	59.5	102	119	66-130	15	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	44.3	51.3	89	103	70-130	15	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	46.0	53.8	92	108	68-132	16	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	46.9	54.1	94	108	76-132	14	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	38.8	45.5	77	90	70-130	16	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	37.7	45.4	75	91	51-126	19	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	40.5	46.6	81	93	70-130	14	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	41.1	49.9	82	100	70-130	19	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	42.9	48.8	86	98	70-130	13	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	43.2	50.7	86	101	77-125	16	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	43.3	52.1	87	104	70-130	18	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	42.0	50.0	84	100	70-130	17	20	

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.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378329 2378330

Parameter	Units	40243259002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.30	50	50	44.7	51.0	89	102	70-132	13	20	
Bromodichloromethane	ug/L	<0.42	50	50	42.9	49.3	86	99	70-130	14	20	
Bromoform	ug/L	<3.8	50	50	42.8	50.8	86	102	65-130	17	20	
Bromomethane	ug/L	<1.2	50	50	37.5	45.0	75	90	44-128	18	21	
Carbon tetrachloride	ug/L	<0.37	50	50	48.8	56.6	98	113	70-132	15	20	
Chlorobenzene	ug/L	<0.86	50	50	43.8	49.7	88	99	70-130	12	20	
Chloroethane	ug/L	<1.4	50	50	49.9	56.7	100	113	70-137	13	20	
Chloroform	ug/L	<1.2	50	50	45.3	52.5	91	105	80-122	15	20	
Chloromethane	ug/L	<1.6	50	50	52.5	61.0	105	122	17-149	15	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	45.7	53.1	91	106	70-130	15	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	44.4	51.2	89	102	70-130	14	20	
Dibromochloromethane	ug/L	<2.6	50	50	42.3	48.8	85	98	70-130	14	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	51.7	60.0	103	120	22-158	15	20	
Ethylbenzene	ug/L	<0.33	50	50	45.5	53.0	91	106	80-123	15	20	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	46.6	53.5	93	107	70-130	14	20	
m&p-Xylene	ug/L	<0.70	100	100	90.7	100	91	100	70-130	10	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	42.1	50.7	84	101	66-130	18	20	
Methylene Chloride	ug/L	<0.32	50	50	44.2	52.3	88	105	70-130	17	20	
o-Xylene	ug/L	<0.35	50	50	44.2	48.3	88	97	70-130	9	20	
Styrene	ug/L	<0.36	50	50	44.3	48.6	89	97	70-130	9	20	
Tetrachloroethene	ug/L	<0.41	50	50	45.7	50.1	91	100	70-130	9	20	
Toluene	ug/L	<0.29	50	50	44.3	50.6	89	101	80-121	13	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	46.7	55.1	93	110	70-134	16	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	42.4	48.1	85	96	58-130	13	20	
Trichloroethene	ug/L	1.6	50	50	45.9	52.1	89	101	70-130	13	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	45.5	52.0	91	104	82-151	13	20	
Vinyl chloride	ug/L	<0.17	50	50	49.9	57.3	100	115	61-143	14	20	
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130			
4-Bromofluorobenzene (S)	%						103	102	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 47358.003 KOELLER ONE
Pace Project No.: 40243086

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40243086001	**MW-1**	EPA 8260	412610		
40243086002	**MW-2**	EPA 8260	412923		
40243086003	**MW-2 DUP**	EPA 8260	412923		
40243086004	**MW-3**	EPA 8260	412923		
40243086005	**MW-4**	EPA 8260	412610		
40243086006	**MW-5**	EPA 8260	412610		
40243086007	**MW-6**	EPA 8260	412610		
40243086008	**MW-7**	EPA 8260	412610		
40243086009	**TRIP BLANK**	EPA 8260	412610		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 4102430B6

ALL SHADED AREAS are for LAB USE ONLY

Company: Gannett Fleming	Billing Information: →
Address: 3040 Excelsior Dr Ste 303	
Report To: Anthony Miller amiller@gfnet.com	Email To: →
Copy To:	Site Collection Info/Address: 1142 S. Koeller Oshkosh, WI
Customer Project Name/Number: Koeller One 47358.003	State: WI County/City: Oshkosh Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 608-327-5041 Email:	Site/Facility ID #: Compliance Monitoring? [X] Yes [ ] No
Collected By (print): Chelsea Kyle	Purchase Order #: Quote #: Pace 2022 DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: VOCs 8260	Lab Sample # / Comments
MW-1	GW	Grab	4/6/22	13:45				3	X	001
MW-2				14:30						002
MW-2 dup				14:30						003
MW-3				14:20						004
MW-4				14:45						005
MW-5				15:20						006
MW-6				14:00						007
MW-7				15:30						008
Trip Blank				—				2		009

Container Preservative Type **: 3

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2763842

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#:
Cooler 1 Temp Upon Receipt: ____oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments: (1)

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
GF	4/6/22 16:30		
Fedex	4/7/22 1250		4/7/22 1250

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: Gannett Fleming Project # 40243086

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:

	Glass								Plastic					Vials						Jars				General									
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	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																	3																2.5 / 5 / 10
002																	3										\						2.5 / 5 / 10
003																	3																2.5 / 5 / 10
004																	3																2.5 / 5 / 10
005																	3																2.5 / 5 / 10
006																	3																2.5 / 5 / 10
007																	3																2.5 / 5 / 10
008																	3										\						2.5 / 5 / 10
009																	2																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

4/7/22 QW

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	**VG9A**	40 mL clear ascorbic	**JGFU**	4 oz amber jar unpres
BG1U	1 liter clear glass	**BP3U**	250 mL plastic unpres	**DG9T**	40 mL amber Na Thio	**JG9U**	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	**BP3B**	250 mL plastic NaOH	**VG9U**	40 mL clear vial unpres	**WGFU**	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	**BP3N**	250 mL plastic HNO3	**VG9H**	40 mL clear vial HCL	**WPFU**	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	**BP3S**	250 mL plastic H2SO4	**VG9M**	40 mL clear vial MeOH	**SP5T**	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			**VG9D**	40 mL clear vial DI	**ZPLC**	ziploc bag
AG2S	500 mL amber glass H2SO4					**GN**	
BG3U	250 mL clear glass unpres						

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40243086

40243086

Client Name: Gannett Fleming

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

Tracking #: 8172 6146 4842

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 - 107 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3 /Corr: 2.8

Person examining contents:
Date: 4/7/22 **/Initials:** AJ

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

Labeled By Initials: AJ

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1. +CC 4/7/22 AJ
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. no PO# 4/7/22 AJ
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
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:		8.
For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☒No ☐N/A	
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): 477		

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

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

The lab report and QAQC data were reviewed and approved by CJP on 12/15/22.

13-Dec-2022

Anthony Miller
Gannett Fleming, Inc.
8040 Excelsior Drive
Suite 303
Madison, WI 53717-1338

Re: **Koeller One** Work Order: **22120539**

Dear Anthony,

ALS Environmental received 9 samples on 06-Dec-2022 09:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 34.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Jodi Blouw

Electronically approved by: Jodi Blouw

Jodi Blouw

Report of Laboratory Analysis

Certificate No: WI: 399084510

ALS Group, USA

Date: 13-Dec-22

Client: Gannett Fleming, Inc.
Project: Koeller One
Work Order: **22120539**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22120539-01	MW-1	Groundwater		12/2/2022 13:30	12/6/2022 09:00	☐
22120539-02	MW-2	Groundwater		12/2/2022 11:55	12/6/2022 09:00	☐
22120539-03	MW-3	Groundwater		12/2/2022 12:15	12/6/2022 09:00	☐
22120539-04	MW-3 dup	Groundwater		12/2/2022	12/6/2022 09:00	☐
22120539-05	MW-4	Groundwater		12/2/2022 12:00	12/6/2022 09:00	☐
22120539-06	MW-5	Groundwater		12/2/2022 15:00	12/6/2022 09:00	☐
22120539-07	MW-6	Groundwater		12/2/2022 10:15	12/6/2022 09:00	☐
22120539-08	MW-7	Groundwater		12/2/2022 10:50	12/6/2022 09:00	☐
22120539-09	Trip Blank	Groundwater		12/2/2022	12/6/2022 09:00	☐

Client: Gannett Fleming, Inc.
Project: Koeller One
WorkOrder: 22120539

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter

Client: Gannett Fleming, Inc.
Project: Koeller One
Work Order: 22120539

Case Narrative

Samples for the above noted Work Order were received on 12/6/2022. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, sample condition, preservation, and temperature compliance.
In order to ensure compliance with NR 149 criteria, please note the following report format:
(1) The Limit of Detection (LOD) is reported as the MDL (Method Detection Limit)
(2) The Limit of Quantitation (LOQ) is reported as the PQL (Practical Quantitation Limit)
(3) All reported concentrations, including those for the LOD and LOQ, are adjusted for any required dilutions
(4) All reported concentrations, including those for the LOD and LOQ, are adjusted for moisture content when samples are reported on a dry weight basis.

Samples were analyzed according to the analytical methodology previously documented in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Detail as to the associated samples can be found at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, acronyms, and units utilized in reporting.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics
Batch R360058, Method SW8260C, Samples (22120539-01A,-02A,-03A,-04A,-05A,-06A,-07A,-08A,-09A): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: Chloroethane, Dichlorodifluoromethane, Vinyl Chloride

Batch R360082c, Method SW8260C, Sample MW-1 (22120539-01A): The Continuing Calibration Verification did not meet acceptance criteria with low bias. Instrument sensitivity was verified as sufficient through the analysis of a low-level standard. The following non-detects are reported without qualification: 1,2-Dibromo-3-chloropropene, Bromoform

Batch R360058, Method SW8260C, Sample 8V-LCSW1-221211: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: Chloroethane, Dichlorodifluoromethane, Vinyl Chloride

Case Narrative

Batch R360082c, Method SW8260C, Sample 7V-LCSW1-221212: The LCS recovery was above the upper control limit. All the sample results in the batch were non-detect. No qualification is necessary for this analyte: Bromomethane

ALS Group, USA

Date: *13-Dec-22*

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-1
Collection Date: 12/2/2022 01:30 PM

Work Order: 22120539
Lab ID: 22120539-01
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 16:45
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 16:45
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 16:45
1,1,2-Trichloroethane	**0.64**	J	**0.46**	**1.5**	**µg/L**	1	12/11/2022 16:45
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 16:45
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 16:45
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 16:45
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 16:45
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 16:45
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 16:45
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 16:45
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 16:45
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 16:45
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 16:45
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 16:45
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 16:45
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 16:45
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 16:45
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 16:45
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 16:45
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 16:45
2-Butanone	**6.9**		**0.52**	**1.7**	**µg/L**	1	12/11/2022 16:45
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 16:45
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 16:45
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 16:45
Acetone	**13**	J	**6.2**	**21**	**µg/L**	1	12/11/2022 16:45
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 16:45
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 16:45
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 16:45
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 16:45
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 16:45
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 16:45
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 16:45
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 16:45
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 16:45
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 16:45
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 16:45
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 16:45

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-1
Collection Date: 12/2/2022 01:30 PM

Work Order: 22120539
Lab ID: 22120539-01
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 16:45
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 16:45
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 16:45
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 16:45
Ethylbenzene	**0.92**	J	**0.34**	**1.1**	**µg/L**	1	12/11/2022 16:45
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 16:45
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 16:45
m,p-Xylene	**4.2**		**0.81**	**2.7**	**µg/L**	1	12/11/2022 16:45
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 16:45
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 16:45
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 16:45
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 16:45
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 16:45
o-Xylene	**0.84**	J	**0.31**	**1.0**	**µg/L**	1	12/11/2022 16:45
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 16:45
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 16:45
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 16:45
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 16:45
Tetrachloroethene	**34**		**0.39**	**1.3**	**µg/L**	1	12/12/2022 16:42
Toluene	**9.3**		**0.45**	**1.5**	**µg/L**	1	12/11/2022 16:45
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 16:45
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 16:45
Trichloroethene	**0.52**	J	**0.43**	**1.4**	**µg/L**	1	12/11/2022 16:45
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 16:45
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 16:45
Xylenes, Total	**5.0**		**0.81**	**4.4**	**µg/L**	1	12/11/2022 16:45
Surr: 1,2-Dichloroethane-d4	*108*			*80-120*	*%REC*	1	12/11/2022 16:45
Surr: 1,2-Dichloroethane-d4	*110*			*80-120*	*%REC*	1	12/12/2022 16:42
Surr: 4-Bromofluorobenzene	*100*			*80-120*	*%REC*	1	12/11/2022 16:45
Surr: 4-Bromofluorobenzene	*92.1*			*80-120*	*%REC*	1	12/12/2022 16:42
Surr: Dibromofluoromethane	*104*			*80-120*	*%REC*	1	12/11/2022 16:45
Surr: Dibromofluoromethane	*102*			*80-120*	*%REC*	1	12/12/2022 16:42
Surr: Toluene-d8	*108*			*80-120*	*%REC*	1	12/11/2022 16:45
Surr: Toluene-d8	*98.8*			*80-120*	*%REC*	1	12/12/2022 16:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-2
Collection Date: 12/2/2022 11:55 AM

Work Order: 22120539
Lab ID: 22120539-02
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 17:03
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:03
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 17:03
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:03
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 17:03
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 17:03
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 17:03
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 17:03
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:03
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:03
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:03
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 17:03
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 17:03
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 17:03
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 17:03
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 17:03
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 17:03
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 17:03
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:03
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:03
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 17:03
2-Butanone	**6.0**		**0.52**	**1.7**	**µg/L**	1	12/11/2022 17:03
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 17:03
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 17:03
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 17:03
Acetone	**11**	J	**6.2**	**21**	**µg/L**	1	12/11/2022 17:03
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 17:03
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 17:03
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 17:03
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 17:03
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 17:03
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 17:03
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 17:03
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 17:03
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 17:03
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 17:03
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 17:03
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 17:03

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-2
Collection Date: 12/2/2022 11:55 AM

Work Order: 22120539
Lab ID: 22120539-02
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 17:03
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 17:03
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 17:03
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 17:03
Ethylbenzene	**0.54**	J	**0.34**	**1.1**	**µg/L**	1	12/11/2022 17:03
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 17:03
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:03
m,p-Xylene	**2.6**	J	**0.81**	**2.7**	**µg/L**	1	12/11/2022 17:03
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 17:03
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 17:03
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 17:03
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:03
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 17:03
o-Xylene	**0.48**	J	**0.31**	**1.0**	**µg/L**	1	12/11/2022 17:03
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 17:03
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 17:03
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 17:03
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 17:03
Tetrachloroethene	**2.1**		**0.39**	**1.3**	**µg/L**	1	12/11/2022 17:03
Toluene	**8.0**		**0.45**	**1.5**	**µg/L**	1	12/11/2022 17:03
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 17:03
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 17:03
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 17:03
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 17:03
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 17:03
Xylenes, Total	**3.1**	J	**0.81**	**4.4**	**µg/L**	1	12/11/2022 17:03
Surr: 1,2-Dichloroethane-d4	*104*			*80-120*	*%REC*	1	12/11/2022 17:03
Surr: 4-Bromofluorobenzene	*95.2*			*80-120*	*%REC*	1	12/11/2022 17:03
Surr: Dibromofluoromethane	*100*			*80-120*	*%REC*	1	12/11/2022 17:03
Surr: Toluene-d8	*105*			*80-120*	*%REC*	1	12/11/2022 17:03

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-3
Collection Date: 12/2/2022 12:15 PM

Work Order: 22120539
Lab ID: 22120539-03
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 17:21
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:21
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 17:21
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:21
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 17:21
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 17:21
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 17:21
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 17:21
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:21
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:21
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:21
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 17:21
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 17:21
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 17:21
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 17:21
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 17:21
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 17:21
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 17:21
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:21
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:21
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 17:21
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 17:21
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 17:21
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 17:21
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 17:21
Acetone	U		6.2	21	µg/L	1	12/11/2022 17:21
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 17:21
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 17:21
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 17:21
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 17:21
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 17:21
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 17:21
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 17:21
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 17:21
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 17:21
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 17:21
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 17:21
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-3
Collection Date: 12/2/2022 12:15 PM

Work Order: 22120539
Lab ID: 22120539-03
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 17:21
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 17:21
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 17:21
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 17:21
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:21
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 17:21
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:21
m,p-Xylene	**1.3**	J	**0.81**	**2.7**	**µg/L**	1	12/11/2022 17:21
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 17:21
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 17:21
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 17:21
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:21
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 17:21
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 17:21
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 17:21
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 17:21
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 17:21
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 17:21
Tetrachloroethene	**23**		**0.39**	**1.3**	**µg/L**	1	12/11/2022 17:21
Toluene	**4.5**		**0.45**	**1.5**	**µg/L**	1	12/11/2022 17:21
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 17:21
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 17:21
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 17:21
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 17:21
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 17:21
Xylenes, Total	**1.3**	J	**0.81**	**4.4**	**µg/L**	1	12/11/2022 17:21
Surr: 1,2-Dichloroethane-d4	*105*			*80-120*	*%REC*	1	12/11/2022 17:21
Surr: 4-Bromofluorobenzene	*99.9*			*80-120*	*%REC*	1	12/11/2022 17:21
Surr: Dibromofluoromethane	*98.4*			*80-120*	*%REC*	1	12/11/2022 17:21
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	12/11/2022 17:21

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-3 dup
Collection Date: 12/2/2022

Work Order: 22120539
Lab ID: 22120539-04
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 17:39
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:39
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 17:39
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:39
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 17:39
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 17:39
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 17:39
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 17:39
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:39
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:39
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:39
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 17:39
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 17:39
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 17:39
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 17:39
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 17:39
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 17:39
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 17:39
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:39
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:39
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 17:39
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 17:39
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 17:39
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 17:39
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 17:39
Acetone	U		6.2	21	µg/L	1	12/11/2022 17:39
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 17:39
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 17:39
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 17:39
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 17:39
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 17:39
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 17:39
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 17:39
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 17:39
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 17:39
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 17:39
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 17:39
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 17:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-3 dup
Collection Date: 12/2/2022

Work Order: 22120539
Lab ID: 22120539-04
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 17:39
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 17:39
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 17:39
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 17:39
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:39
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 17:39
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:39
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 17:39
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 17:39
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 17:39
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 17:39
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:39
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 17:39
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 17:39
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 17:39
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 17:39
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 17:39
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 17:39
Tetrachloroethene	**28**		**0.39**	**1.3**	**µg/L**	1	12/11/2022 17:39
Toluene	**3.4**		**0.45**	**1.5**	**µg/L**	1	12/11/2022 17:39
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 17:39
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 17:39
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 17:39
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 17:39
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 17:39
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 17:39
Surr: 1,2-Dichloroethane-d4	*108*			*80-120*	*%REC*	1	12/11/2022 17:39
Surr: 4-Bromofluorobenzene	*102*			*80-120*	*%REC*	1	12/11/2022 17:39
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	12/11/2022 17:39
Surr: Toluene-d8	*106*			*80-120*	*%REC*	1	12/11/2022 17:39

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-4
Collection Date: 12/2/2022 12:00 PM

Work Order: 22120539
Lab ID: 22120539-05
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 17:57
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:57
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 17:57
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 17:57
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 17:57
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 17:57
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 17:57
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 17:57
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:57
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:57
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 17:57
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 17:57
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 17:57
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 17:57
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 17:57
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 17:57
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 17:57
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 17:57
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 17:57
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:57
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 17:57
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 17:57
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 17:57
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 17:57
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 17:57
Acetone	U		6.2	21	µg/L	1	12/11/2022 17:57
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 17:57
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 17:57
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 17:57
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 17:57
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 17:57
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 17:57
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 17:57
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 17:57
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 17:57
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 17:57
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 17:57
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 17:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-4
Collection Date: 12/2/2022 12:00 PM

Work Order: 22120539
Lab ID: 22120539-05
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 17:57
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 17:57
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 17:57
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 17:57
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:57
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 17:57
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 17:57
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 17:57
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 17:57
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 17:57
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 17:57
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 17:57
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 17:57
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 17:57
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 17:57
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 17:57
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 17:57
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 17:57
Tetrachloroethene	**1.5**		**0.39**	**1.3**	**µg/L**	1	12/11/2022 17:57
Toluene	**1.4**	J	**0.45**	**1.5**	**µg/L**	1	12/11/2022 17:57
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 17:57
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 17:57
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 17:57
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 17:57
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 17:57
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 17:57
Surr: 1,2-Dichloroethane-d4	*108*			*80-120*	*%REC*	1	12/11/2022 17:57
Surr: 4-Bromofluorobenzene	*99.4*			*80-120*	*%REC*	1	12/11/2022 17:57
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	12/11/2022 17:57
Surr: Toluene-d8	*100*			*80-120*	*%REC*	1	12/11/2022 17:57

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-5
Collection Date: 12/2/2022 03:00 PM

Work Order: 22120539
Lab ID: 22120539-06
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 18:15
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:15
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 18:15
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:15
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 18:15
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 18:15
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 18:15
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 18:15
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:15
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:15
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:15
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 18:15
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 18:15
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 18:15
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 18:15
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 18:15
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 18:15
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 18:15
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:15
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:15
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 18:15
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 18:15
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 18:15
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 18:15
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 18:15
Acetone	U		6.2	21	µg/L	1	12/11/2022 18:15
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 18:15
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 18:15
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 18:15
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 18:15
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 18:15
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 18:15
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 18:15
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 18:15
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 18:15
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 18:15
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 18:15
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 18:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-5
Collection Date: 12/2/2022 03:00 PM

Work Order: 22120539
Lab ID: 22120539-06
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 18:15
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 18:15
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 18:15
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 18:15
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:15
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 18:15
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:15
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 18:15
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 18:15
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 18:15
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 18:15
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:15
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 18:15
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 18:15
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 18:15
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 18:15
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 18:15
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 18:15
Tetrachloroethene	U		0.39	1.3	µg/L	1	12/11/2022 18:15
Toluene	**1.1**	J	**0.45**	**1.5**	**µg/L**	1	12/11/2022 18:15
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 18:15
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 18:15
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 18:15
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 18:15
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 18:15
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 18:15
Surr: 1,2-Dichloroethane-d4	*106*			*80-120*	*%REC*	1	12/11/2022 18:15
Surr: 4-Bromofluorobenzene	*98.6*			*80-120*	*%REC*	1	12/11/2022 18:15
Surr: Dibromofluoromethane	*102*			*80-120*	*%REC*	1	12/11/2022 18:15
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	12/11/2022 18:15

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-6
Collection Date: 12/2/2022 10:15 AM

Work Order: 22120539
Lab ID: 22120539-07
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 18:33
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:33
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 18:33
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:33
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 18:33
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 18:33
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 18:33
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 18:33
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:33
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:33
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:33
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 18:33
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 18:33
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 18:33
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 18:33
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 18:33
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 18:33
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 18:33
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:33
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:33
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 18:33
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 18:33
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 18:33
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 18:33
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 18:33
Acetone	U		6.2	21	µg/L	1	12/11/2022 18:33
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 18:33
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 18:33
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 18:33
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 18:33
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 18:33
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 18:33
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 18:33
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 18:33
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 18:33
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 18:33
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 18:33
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 18:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-6
Collection Date: 12/2/2022 10:15 AM

Work Order: 22120539
Lab ID: 22120539-07
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 18:33
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 18:33
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 18:33
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 18:33
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:33
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 18:33
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:33
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 18:33
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 18:33
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 18:33
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 18:33
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:33
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 18:33
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 18:33
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 18:33
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 18:33
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 18:33
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 18:33
Tetrachloroethene	**5.6**		**0.39**	**1.3**	**µg/L**	1	12/11/2022 18:33
Toluene	**1.8**		**0.45**	**1.5**	**µg/L**	1	12/11/2022 18:33
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 18:33
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 18:33
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 18:33
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 18:33
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 18:33
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 18:33
Surr: 1,2-Dichloroethane-d4	*107*			*80-120*	*%REC*	1	12/11/2022 18:33
Surr: 4-Bromofluorobenzene	*98.8*			*80-120*	*%REC*	1	12/11/2022 18:33
Surr: Dibromofluoromethane	*99.0*			*80-120*	*%REC*	1	12/11/2022 18:33
Surr: Toluene-d8	*104*			*80-120*	*%REC*	1	12/11/2022 18:33

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-7
Collection Date: 12/2/2022 10:50 AM

Work Order: 22120539
Lab ID: 22120539-08
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 18:51
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:51
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 18:51
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 18:51
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 18:51
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 18:51
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 18:51
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 18:51
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:51
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:51
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 18:51
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 18:51
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 18:51
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 18:51
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 18:51
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 18:51
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 18:51
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 18:51
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 18:51
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:51
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 18:51
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 18:51
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 18:51
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 18:51
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 18:51
Acetone	U		6.2	21	µg/L	1	12/11/2022 18:51
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 18:51
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 18:51
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 18:51
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 18:51
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 18:51
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 18:51
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 18:51
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 18:51
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 18:51
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 18:51
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 18:51
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 18:51

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: MW-7
Collection Date: 12/2/2022 10:50 AM

Work Order: 22120539
Lab ID: 22120539-08
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 18:51
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 18:51
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 18:51
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 18:51
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:51
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 18:51
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 18:51
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 18:51
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 18:51
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 18:51
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 18:51
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 18:51
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 18:51
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 18:51
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 18:51
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 18:51
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 18:51
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 18:51
Tetrachloroethene	**0.72**	J	**0.39**	**1.3**	**µg/L**	1	12/11/2022 18:51
Toluene	**0.96**	J	**0.45**	**1.5**	**µg/L**	1	12/11/2022 18:51
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 18:51
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 18:51
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 18:51
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 18:51
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 18:51
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 18:51
Surr: 1,2-Dichloroethane-d4	*104*			*80-120*	*%REC*	1	12/11/2022 18:51
Surr: 4-Bromofluorobenzene	*100*			*80-120*	*%REC*	1	12/11/2022 18:51
Surr: Dibromofluoromethane	*100*			*80-120*	*%REC*	1	12/11/2022 18:51
Surr: Toluene-d8	*102*			*80-120*	*%REC*	1	12/11/2022 18:51

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *13-Dec-22*

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: Trip Blank
Collection Date: 12/2/2022

Work Order: 22120539
Lab ID: 22120539-09
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260C**					Analyst: **SBR**
1,1,1,2-Tetrachloroethane	U		0.38	1.3	µg/L	1	12/11/2022 13:08
1,1,1-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 13:08
1,1,2,2-Tetrachloroethane	U		0.40	1.3	µg/L	1	12/11/2022 13:08
1,1,2-Trichloroethane	U		0.46	1.5	µg/L	1	12/11/2022 13:08
1,1-Dichloroethane	U		0.44	1.5	µg/L	1	12/11/2022 13:08
1,1-Dichloroethene	U		0.40	1.4	µg/L	1	12/11/2022 13:08
1,1-Dichloropropene	U		0.37	1.2	µg/L	1	12/11/2022 13:08
1,2,3-Trichlorobenzene	U		0.42	1.4	µg/L	1	12/11/2022 13:08
1,2,3-Trichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 13:08
1,2,4-Trichlorobenzene	U		0.45	1.5	µg/L	1	12/11/2022 13:08
1,2,4-Trimethylbenzene	U		0.45	1.5	µg/L	1	12/11/2022 13:08
1,2-Dibromo-3-chloropropane	U		0.43	1.4	µg/L	1	12/11/2022 13:08
1,2-Dibromoethane	U		0.41	1.4	µg/L	1	12/11/2022 13:08
1,2-Dichlorobenzene	U		0.32	1.1	µg/L	1	12/11/2022 13:08
1,2-Dichloroethane	U		0.44	1.4	µg/L	1	12/11/2022 13:08
1,2-Dichloropropane	U		0.48	1.6	µg/L	1	12/11/2022 13:08
1,3,5-Trimethylbenzene	U		0.65	2.2	µg/L	1	12/11/2022 13:08
1,3-Dichlorobenzene	U		0.33	1.1	µg/L	1	12/11/2022 13:08
1,3-Dichloropropane	U		0.40	1.3	µg/L	1	12/11/2022 13:08
1,4-Dichlorobenzene	U		0.35	1.2	µg/L	1	12/11/2022 13:08
2,2-Dichloropropane	U		0.52	1.7	µg/L	1	12/11/2022 13:08
2-Butanone	U		0.52	1.7	µg/L	1	12/11/2022 13:08
2-Chlorotoluene	U		0.36	1.2	µg/L	1	12/11/2022 13:08
4-Chlorotoluene	U		0.31	1.0	µg/L	1	12/11/2022 13:08
4-Methyl-2-pentanone	U		0.52	1.7	µg/L	1	12/11/2022 13:08
Acetone	U		6.2	21	µg/L	1	12/11/2022 13:08
Benzene	U		0.46	1.5	µg/L	1	12/11/2022 13:08
Bromobenzene	U		0.38	1.3	µg/L	1	12/11/2022 13:08
Bromochloromethane	U		0.45	1.5	µg/L	1	12/11/2022 13:08
Bromodichloromethane	U		0.49	1.6	µg/L	1	12/11/2022 13:08
Bromoform	U		0.56	1.9	µg/L	1	12/11/2022 13:08
Bromomethane	U		0.90	3.0	µg/L	1	12/11/2022 13:08
Carbon tetrachloride	U		0.40	1.4	µg/L	1	12/11/2022 13:08
Chlorobenzene	U		0.40	1.3	µg/L	1	12/11/2022 13:08
Chloroethane	U		0.68	2.3	µg/L	1	12/11/2022 13:08
Chloroform	U		0.46	1.5	µg/L	1	12/11/2022 13:08
Chloromethane	U		0.83	2.8	µg/L	1	12/11/2022 13:08
cis-1,2-Dichloroethene	U		0.42	1.4	µg/L	1	12/11/2022 13:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Gannett Fleming, Inc.
Project: Koeller One
Sample ID: Trip Blank
Collection Date: 12/2/2022

Work Order: 22120539
Lab ID: 22120539-09
Matrix: GROUNDWATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,3-Dichloropropene	U		0.57	1.9	µg/L	1	12/11/2022 13:08
Dibromochloromethane	U		0.40	1.3	µg/L	1	12/11/2022 13:08
Dibromomethane	U		0.65	2.2	µg/L	1	12/11/2022 13:08
Dichlorodifluoromethane	U		0.68	2.3	µg/L	1	12/11/2022 13:08
Ethylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 13:08
Hexachlorobutadiene	U		0.56	1.9	µg/L	1	12/11/2022 13:08
Isopropylbenzene	U		0.35	1.2	µg/L	1	12/11/2022 13:08
m,p-Xylene	U		0.81	2.7	µg/L	1	12/11/2022 13:08
Methyl tert-butyl ether	U		0.45	1.5	µg/L	1	12/11/2022 13:08
Methylene chloride	U		0.86	2.9	µg/L	1	12/11/2022 13:08
Naphthalene	U		0.77	2.6	µg/L	1	12/11/2022 13:08
n-Butylbenzene	U		0.34	1.1	µg/L	1	12/11/2022 13:08
n-Propylbenzene	U		0.48	1.6	µg/L	1	12/11/2022 13:08
o-Xylene	U		0.31	1.0	µg/L	1	12/11/2022 13:08
p-Isopropyltoluene	U		0.26	0.88	µg/L	1	12/11/2022 13:08
sec-Butylbenzene	U		0.30	1.0	µg/L	1	12/11/2022 13:08
Styrene	U		0.33	1.1	µg/L	1	12/11/2022 13:08
tert-Butylbenzene	U		0.39	1.3	µg/L	1	12/11/2022 13:08
Tetrachloroethene	U		0.39	1.3	µg/L	1	12/11/2022 13:08
Toluene	U		0.45	1.5	µg/L	1	12/11/2022 13:08
trans-1,2-Dichloroethene	U		0.48	1.6	µg/L	1	12/11/2022 13:08
trans-1,3-Dichloropropene	U		0.38	2.7	µg/L	1	12/11/2022 13:08
Trichloroethene	U		0.43	1.4	µg/L	1	12/11/2022 13:08
Trichlorofluoromethane	U		0.52	1.7	µg/L	1	12/11/2022 13:08
Vinyl chloride	U		0.53	1.8	µg/L	1	12/11/2022 13:08
Xylenes, Total	U		0.81	4.4	µg/L	1	12/11/2022 13:08
Surr: 1,2-Dichloroethane-d4	*106*			*80-120*	*%REC*	1	12/11/2022 13:08
Surr: 4-Bromofluorobenzene	*98.4*			*80-120*	*%REC*	1	12/11/2022 13:08
Surr: Dibromofluoromethane	*103*			*80-120*	*%REC*	1	12/11/2022 13:08
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	12/11/2022 13:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 13-Dec-22

Client: Gannett Fleming, Inc.

Work Order: 22120539

Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058** Instrument ID **VMS8** Method: **SW8260C**

MBLK Sample ID: **8V-BLKW1-221211-R360058** Units: **µg/L** Analysis Date: **12/11/2022 12:32 PM**

Client ID: Run ID: **VMS8_221211A** SeqNo: **9094887** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	U	0.38	1.3								
1,1,1-Trichloroethane	U	0.46	1.5								
1,1,2,2-Tetrachloroethane	U	0.4	1.3								
1,1,2-Trichloroethane	U	0.46	1.5								
1,1-Dichloroethane	U	0.44	1.5								
1,1-Dichloroethene	U	0.4	1.4								
1,1-Dichloropropene	U	0.37	1.2								
1,2,3-Trichlorobenzene	U	0.42	1.4								
1,2,3-Trichloropropane	U	0.4	1.3								
1,2,4-Trichlorobenzene	U	0.45	1.5								
1,2,4-Trimethylbenzene	U	0.45	1.5								
1,2-Dibromo-3-chloropropane	U	0.43	1.4								
1,2-Dibromoethane	U	0.41	1.4								
1,2-Dichlorobenzene	U	0.32	1.1								
1,2-Dichloroethane	U	0.44	1.4								
1,2-Dichloropropane	U	0.48	1.6								
1,3,5-Trimethylbenzene	U	0.65	2.2								
1,3-Dichlorobenzene	U	0.33	1.1								
1,3-Dichloropropane	U	0.4	1.3								
1,4-Dichlorobenzene	U	0.35	1.2								
2,2-Dichloropropane	U	0.52	1.7								
2-Butanone	U	0.52	1.7								
2-Chlorotoluene	U	0.36	1.2								
4-Chlorotoluene	U	0.31	1.0								
4-Methyl-2-pentanone	U	0.52	1.7								
Acetone	U	6.2	21								
Benzene	U	0.46	1.5								
Bromobenzene	U	0.38	1.3								
Bromochloromethane	U	0.45	1.5								
Bromodichloromethane	U	0.49	1.6								
Bromoform	U	0.56	1.9								
Bromomethane	U	0.9	3.0								
Carbon tetrachloride	U	0.4	1.4								
Chlorobenzene	U	0.4	1.3								
Chloroethane	U	0.68	2.3								
Chloroform	U	0.46	1.5								
Chloromethane	U	0.83	2.8								
cis-1,2-Dichloroethene	U	0.42	1.4								
cis-1,3-Dichloropropene	U	0.57	1.9								
Dibromochloromethane	U	0.4	1.3								
Dibromomethane	U	0.65	2.2								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058** Instrument ID **VMS8** Method: **SW8260C**

Dichlorodifluoromethane	U	0.68	2.3						
Ethylbenzene	U	0.34	1.1						
Hexachlorobutadiene	U	0.56	1.9						
Isopropylbenzene	U	0.35	1.2						
m,p-Xylene	U	0.81	2.7						
Methyl tert-butyl ether	U	0.45	1.5						
Methylene chloride	U	0.86	2.9						
Naphthalene	U	0.77	2.6						
n-Butylbenzene	U	0.34	1.1						
n-Propylbenzene	U	0.48	1.6						
o-Xylene	U	0.31	1.0						
p-Isopropyltoluene	U	0.26	0.88						
sec-Butylbenzene	U	0.3	1.0						
Styrene	U	0.33	1.1						
tert-Butylbenzene	U	0.39	1.3						
Tetrachloroethene	U	0.39	1.3						
Toluene	U	0.45	1.5						
trans-1,2-Dichloroethene	U	0.48	1.6						
trans-1,3-Dichloropropene	U	0.38	2.7						
Trichloroethene	U	0.43	1.4						
Trichlorofluoromethane	U	0.52	1.7						
Vinyl chloride	U	0.53	1.8						
Xylenes, Total	U	0.81	4.4						
Surr: 1,2-Dichloroethane-d4	*20.88*	0	0	*20*	0	*104*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*19.56*	0	0	*20*	0	*97.8*	*80-120*	0	
Surr: Dibromofluoromethane	*20.5*	0	0	*20*	0	*102*	*80-120*	0	
Surr: Toluene-d8	*20.22*	0	0	*20*	0	*101*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058** Instrument ID **VMS8** Method: **SW8260C**

LCS Sample ID: **8V-LCSW1-221211-R360058** Units: **µg/L** Analysis Date: **12/11/2022 11:38 A**
Client ID: Run ID: **VMS8_221211A** SeqNo: **9094885** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	18.22	0.38	1.3	20	0	91.1	72-119	0			
1,1,1-Trichloroethane	17.89	0.46	1.5	20	0	89.4	75-119	0			
1,1,2,2-Tetrachloroethane	19.78	0.4	1.3	20	0	98.9	80-123	0			
1,1,2-Trichloroethane	19.84	0.46	1.5	20	0	99.2	83-118	0			
1,1-Dichloroethane	17.63	0.44	1.5	20	0	88.2	73-122	0			
1,1-Dichloroethene	19.33	0.4	1.4	20	0	96.6	66-131	0			
1,1-Dichloropropene	18.51	0.37	1.2	20	0	92.6	74-122	0			
1,2,3-Trichlorobenzene	18.83	0.42	1.4	20	0	94.2	65-140	0			
1,2,3-Trichloropropane	19.51	0.4	1.3	20	0	97.6	78-119	0			
1,2,4-Trichlorobenzene	19.56	0.45	1.5	20	0	97.8	73-127	0			
1,2,4-Trimethylbenzene	18.43	0.45	1.5	20	0	92.2	74-118	0			
1,2-Dibromo-3-chloropropane	16.12	0.43	1.4	20	0	80.6	52-141	0			
1,2-Dibromoethane	19.78	0.41	1.4	20	0	98.9	60-159	0			
1,2-Dichlorobenzene	19.39	0.32	1.1	20	0	97	80-119	0			
1,2-Dichloroethane	18.05	0.44	1.4	20	0	90.2	78-121	0			
1,2-Dichloropropane	18.34	0.48	1.6	20	0	91.7	78-120	0			
1,3,5-Trimethylbenzene	19.43	0.65	2.2	20	0	97.2	76-120	0			
1,3-Dichlorobenzene	18.76	0.33	1.1	20	0	93.8	80-120	0			
1,3-Dichloropropane	19.18	0.4	1.3	20	0	95.9	80-119	0			
1,4-Dichlorobenzene	19	0.35	1.2	20	0	95	81-119	0			
2,2-Dichloropropane	18.08	0.52	1.7	20	0	90.4	66-125	0			
2-Butanone	16.32	0.52	1.7	20	0	81.6	69-147	0			
2-Chlorotoluene	18.66	0.36	1.2	20	0	93.3	78-119	0			
4-Chlorotoluene	18.78	0.31	1.0	20	0	93.9	77-119	0			
4-Methyl-2-pentanone	26.51	0.52	1.7	20	0	133	68-199	0			
Acetone	15.93	6.2	21	20	0	79.6	70-166	0			J
Benzene	18.89	0.46	1.5	20	0	94.4	78-120	0			
Bromobenzene	19.22	0.38	1.3	20	0	96.1	78-117	0			
Bromochloromethane	16.72	0.45	1.5	20	0	83.6	70-125	0			
Bromodichloromethane	17.68	0.49	1.6	20	0	88.4	73-126	0			
Bromoform	15.4	0.56	1.9	20	0	77	60-124	0			
Bromomethane	19.94	0.9	3.0	20	0	99.7	20-183	0			
Carbon tetrachloride	18.03	0.4	1.4	20	0	90.2	69-124	0			
Chlorobenzene	19.4	0.4	1.3	20	0	97	80-118	0			
Chloroethane	34.72	0.68	2.3	20	0	174	35-136	0			S
Chloroform	17.33	0.46	1.5	20	0	86.6	75-119	0			
Chloromethane	16.05	0.83	2.8	20	0	80.2	26-117	0			
cis-1,2-Dichloroethene	18.15	0.42	1.4	20	0	90.8	75-123	0			
cis-1,3-Dichloropropene	17.88	0.57	1.9	20	0	89.4	69-120	0			
Dibromochloromethane	16.22	0.4	1.3	20	0	81.1	63-117	0			
Dibromomethane	17.71	0.65	2.2	20	0	88.6	78-120	0			
Dichlorodifluoromethane	30.39	0.68	2.3	20	0	152	36-133	0			S
Ethylbenzene	18.8	0.34	1.1	20	0	94	76-116	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058**	Instrument ID **VMS8**				Method: **SW8260C**				
Hexachlorobutadiene	21.56	0.56	1.9	20	0	108	77-142	0	
Isopropylbenzene	20.84	0.35	1.2	20	0	104	77-118	0	
m,p-Xylene	37.58	0.81	2.7	40	0	94	76-119	0	
Methyl tert-butyl ether	18.74	0.45	1.5	20	0	93.7	77-137	0	
Methylene chloride	18.25	0.86	2.9	20	0	91.2	68-125	0	
Naphthalene	20.23	0.77	2.6	20	0	101	56-142	0	
n-Butylbenzene	20.92	0.34	1.1	20	0	105	72-116	0	
n-Propylbenzene	19.24	0.48	1.6	20	0	96.2	74-118	0	
o-Xylene	18.69	0.31	1.0	20	0	93.4	77-116	0	
p-Isopropyltoluene	19.68	0.26	0.88	20	0	98.4	77-122	0	
sec-Butylbenzene	18.77	0.3	1.0	20	0	93.8	76-121	0	
Styrene	18.42	0.33	1.1	20	0	92.1	76-123	0	
tert-Butylbenzene	18.69	0.39	1.3	20	0	93.4	76-118	0	
Tetrachloroethene	19.15	0.39	1.3	20	0	95.8	80-124	0	
Toluene	19.16	0.45	1.5	20	0	95.8	78-116	0	
trans-1,2-Dichloroethene	18.65	0.48	1.6	20	0	93.2	73-124	0	
trans-1,3-Dichloropropene	18.33	0.38	2.7	20	0	91.6	67-118	0	
Trichloroethene	17.22	0.43	1.4	20	0	86.1	75-122	0	
Trichlorofluoromethane	17.33	0.52	1.7	20	0	86.6	52-115	0	
Vinyl chloride	25.98	0.53	1.8	20	0	130	49-122	0	S
Xylenes, Total	56.27	0.81	4.4	60	0	93.8	77-119	0	
Surr: 1,2-Dichloroethane-d4	*20.16*	0	0	*20*	0	*101*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*19.76*	0	0	*20*	0	*98.8*	*80-120*	0	
Surr: Dibromofluoromethane	*19.85*	0	0	*20*	0	*99.2*	*80-120*	0	
Surr: Toluene-d8	*20.73*	0	0	*20*	0	*104*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058** Instrument ID **VMS8** Method: **SW8260C**

MS Sample ID: **22120273-16A MS** Units: **µg/L** Analysis Date: **12/11/2022 07:10 PM**
Client ID: Run ID: **VMS8_221211A** SeqNo: **9094909** Prep Date: DF: **10**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	193.2	3.8	13	200	0	96.6	72-119	0			
1,1,1-Trichloroethane	193.1	4.6	15	200	0	96.6	75-119	0			
1,1,2,2-Tetrachloroethane	198.8	4	13	200	0	99.4	80-123	0			
1,1,2-Trichloroethane	205.6	4.6	15	200	0	103	83-118	0			
1,1-Dichloroethane	195.4	4.4	15	200	0	97.7	73-122	0			
1,1-Dichloroethene	221	4	14	200	0	110	66-131	0			
1,1-Dichloropropene	205.1	3.7	12	200	0	103	74-122	0			
1,2,3-Trichlorobenzene	189.8	4.2	14	200	0	94.9	65-140	0			
1,2,3-Trichloropropane	199.8	4	13	200	0	99.9	78-119	0			
1,2,4-Trichlorobenzene	193	4.5	15	200	0	96.5	73-127	0			
1,2,4-Trimethylbenzene	185.9	4.5	15	200	0	93	74-118	0			
1,2-Dibromo-3-chloropropane	175.7	4.3	14	200	0	87.8	52-141	0			
1,2-Dibromoethane	207.5	4.1	14	200	0	104	60-159	0			
1,2-Dichlorobenzene	201.4	3.2	11	200	0	101	80-119	0			
1,2-Dichloroethane	194.2	4.4	14	200	0	97.1	78-121	0			
1,2-Dichloropropane	1050	4.8	16	200	750.6	150	78-120	0			SE
1,3,5-Trimethylbenzene	202.7	6.5	22	200	0	101	76-120	0			
1,3-Dichlorobenzene	198.4	3.3	11	200	0	99.2	80-120	0			
1,3-Dichloropropane	200.4	4	13	200	0	100	80-119	0			
1,4-Dichlorobenzene	203.2	3.5	12	200	0	102	81-119	0			
2,2-Dichloropropane	178.3	5.2	17	200	0	89.2	66-125	0			
2-Butanone	245.9	5.2	17	200	0	123	69-147	0			
2-Chlorotoluene	193.5	3.6	12	200	0	96.8	78-119	0			
4-Chlorotoluene	191.7	3.1	10	200	0	95.8	77-119	0			
4-Methyl-2-pentanone	268.1	5.2	17	200	0	134	68-199	0			
Acetone	259.6	62	210	200	5.9	127	70-166	0			
Benzene	205.6	4.6	15	200	0	103	78-120	0			
Bromobenzene	198.5	3.8	13	200	0	99.2	78-117	0			
Bromochloromethane	191.5	4.5	15	200	0	95.8	70-125	0			
Bromodichloromethane	181.8	4.9	16	200	0	90.9	73-126	0			
Bromoform	143.9	5.6	19	200	0	72	60-124	0			
Bromomethane	199.2	9	30	200	0	99.6	20-183	0			
Carbon tetrachloride	198.1	4	14	200	0	99	69-124	0			
Chlorobenzene	206.6	4	13	200	0	103	80-118	0			
Chloroethane	563.1	6.8	23	200	0	282	35-136	0			S
Chloroform	188.6	4.6	15	200	0	94.3	75-119	0			
Chloromethane	195.2	8.3	28	200	0	97.6	26-117	0			
cis-1,2-Dichloroethene	196.1	4.2	14	200	0	98	75-123	0			
cis-1,3-Dichloropropene	184.4	5.7	19	200	0	92.2	69-120	0			
Dibromochloromethane	166	4	13	200	0	83	63-117	0			
Dibromomethane	188.9	6.5	22	200	0	94.4	78-120	0			
Dichlorodifluoromethane	334.3	6.8	23	200	0	167	36-133	0			S
Ethylbenzene	202.3	3.4	11	200	0	101	76-116	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058**	Instrument ID **VMS8**			Method: **SW8260C**					
Hexachlorobutadiene	198	5.6	19	200	0	99	77-142	0	
Isopropylbenzene	218	3.5	12	200	0	109	77-118	0	
m,p-Xylene	397.9	8.1	27	400	0	99.5	76-119	0	
Methyl tert-butyl ether	198.6	4.5	15	200	0	99.3	77-137	0	
Methylene chloride	197.2	8.6	29	200	0	98.6	68-125	0	
Naphthalene	212.4	7.7	26	200	0	106	56-142	0	
n-Butylbenzene	206.3	3.4	11	200	0	103	72-116	0	
n-Propylbenzene	199.2	4.8	16	200	0	99.6	74-118	0	
o-Xylene	196.5	3.1	10	200	0	98.2	77-116	0	
p-Isopropyltoluene	202.8	2.6	8.8	200	0	101	77-122	0	
sec-Butylbenzene	191.9	3	10	200	0	96	76-121	0	
Styrene	192.9	3.3	11	200	0	96.4	76-123	0	
tert-Butylbenzene	193.8	3.9	13	200	0	96.9	76-118	0	
Tetrachloroethene	206.1	3.9	13	200	0	103	80-124	0	
Toluene	210	4.5	15	200	0	105	78-116	0	
trans-1,2-Dichloroethene	201.7	4.8	16	200	0	101	73-124	0	
trans-1,3-Dichloropropene	183.1	3.8	27	200	0	91.6	67-118	0	
Trichloroethene	192.4	4.3	14	200	0	96.2	75-122	0	
Trichlorofluoromethane	218.9	5.2	17	200	0	109	52-115	0	
Vinyl chloride	279.2	5.3	18	200	0	140	49-122	0	S
Xylenes, Total	594.4	8.1	44	600	0	99.1	77-119	0	
Surr: 1,2-Dichloroethane-d4	*202.4*	0	0	*200*	0	*101*	*80-120*	0	
Surr: 4-Bromofluorobenzene	*190.8*	0	0	*200*	0	*95.4*	*80-120*	0	
Surr: Dibromofluoromethane	*198.8*	0	0	*200*	0	*99.4*	*80-120*	0	
Surr: Toluene-d8	*200.9*	0	0	*200*	0	*100*	*80-120*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058** Instrument ID **VMS8** Method: **SW8260C**

MSD Sample ID: **22120273-16A MSD** Units: **µg/L** Analysis Date: **12/11/2022 07:28 PM**
Client ID: Run ID: **VMS8_221211A** SeqNo: **9094910** Prep Date: DF: **10**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	195.6	3.8	13	200	0	97.8	72-119	193.2	1.23	30	
1,1,1-Trichloroethane	195.8	4.6	15	200	0	97.9	75-119	193.1	1.39	30	
1,1,2,2-Tetrachloroethane	206.7	4	13	200	0	103	80-123	198.8	3.9	30	
1,1,2-Trichloroethane	208.3	4.6	15	200	0	104	83-118	205.6	1.3	30	
1,1-Dichloroethane	199.3	4.4	15	200	0	99.6	73-122	195.4	1.98	30	
1,1-Dichloroethene	224.2	4	14	200	0	112	66-131	221	1.44	30	
1,1-Dichloropropene	204.8	3.7	12	200	0	102	74-122	205.1	0.146	30	
1,2,3-Trichlorobenzene	206.6	4.2	14	200	0	103	65-140	189.8	8.48	30	
1,2,3-Trichloropropane	203.2	4	13	200	0	102	78-119	199.8	1.69	30	
1,2,4-Trichlorobenzene	204.3	4.5	15	200	0	102	73-127	193	5.69	30	
1,2,4-Trimethylbenzene	196.1	4.5	15	200	0	98	74-118	185.9	5.34	30	
1,2-Dibromo-3-chloropropane	177.2	4.3	14	200	0	88.6	52-141	175.7	0.85	30	
1,2-Dibromoethane	210.1	4.1	14	200	0	105	60-159	207.5	1.25	30	
1,2-Dichlorobenzene	217.6	3.2	11	200	0	109	80-119	201.4	7.73	30	
1,2-Dichloroethane	197.1	4.4	14	200	0	98.6	78-121	194.2	1.48	30	
1,2-Dichloropropane	1053	4.8	16	200	750.6	151	78-120	1050	0.238	30	SE
1,3,5-Trimethylbenzene	205.7	6.5	22	200	0	103	76-120	202.7	1.47	30	
1,3-Dichlorobenzene	209.3	3.3	11	200	0	105	80-120	198.4	5.35	30	
1,3-Dichloropropane	208	4	13	200	0	104	80-119	200.4	3.72	30	
1,4-Dichlorobenzene	210.8	3.5	12	200	0	105	81-119	203.2	3.67	30	
2,2-Dichloropropane	183.8	5.2	17	200	0	91.9	66-125	178.3	3.04	30	
2-Butanone	270.3	5.2	17	200	0	135	69-147	245.9	9.45	30	
2-Chlorotoluene	197.5	3.6	12	200	0	98.8	78-119	193.5	2.05	30	
4-Chlorotoluene	199.5	3.1	10	200	0	99.8	77-119	191.7	3.99	30	
4-Methyl-2-pentanone	274.8	5.2	17	200	0	137	68-199	268.1	2.47	30	
Acetone	254	62	210	200	5.9	124	70-166	259.6	2.18	30	
Benzene	204.2	4.6	15	200	0	102	78-120	205.6	0.683	30	
Bromobenzene	201.5	3.8	13	200	0	101	78-117	198.5	1.5	30	
Bromochloromethane	198.7	4.5	15	200	0	99.4	70-125	191.5	3.69	30	
Bromodichloromethane	188.4	4.9	16	200	0	94.2	73-126	181.8	3.57	30	
Bromoform	152.4	5.6	19	200	0	76.2	60-124	143.9	5.74	30	
Bromomethane	204.9	9	30	200	0	102	20-183	199.2	2.82	30	
Carbon tetrachloride	204	4	14	200	0	102	69-124	198.1	2.93	30	
Chlorobenzene	211.6	4	13	200	0	106	80-118	206.6	2.39	30	
Chloroethane	579.5	6.8	23	200	0	290	35-136	563.1	2.87	30	S
Chloroform	196.1	4.6	15	200	0	98	75-119	188.6	3.9	30	
Chloromethane	196.3	8.3	28	200	0	98.2	26-117	195.2	0.562	30	
cis-1,2-Dichloroethene	198.1	4.2	14	200	0	99	75-123	196.1	1.01	30	
cis-1,3-Dichloropropene	183	5.7	19	200	0	91.5	69-120	184.4	0.762	30	
Dibromochloromethane	171.8	4	13	200	0	85.9	63-117	166	3.43	30	
Dibromomethane	185.5	6.5	22	200	0	92.8	78-120	188.9	1.82	30	
Dichlorodifluoromethane	334.8	6.8	23	200	0	167	36-133	334.3	0.149	30	S
Ethylbenzene	208.7	3.4	11	200	0	104	76-116	202.3	3.11	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360058**	Instrument ID **VMS8**				Method: **SW8260C**						
Hexachlorobutadiene	215.1	5.6	19	200	0	108	77-142	198	8.28	30	
Isopropylbenzene	225.7	3.5	12	200	0	113	77-118	218	3.47	30	
m,p-Xylene	406.9	8.1	27	400	0	102	76-119	397.9	2.24	30	
Methyl tert-butyl ether	200.4	4.5	15	200	0	100	77-137	198.6	0.902	30	
Methylene chloride	196.8	8.6	29	200	0	98.4	68-125	197.2	0.203	30	
Naphthalene	225.4	7.7	26	200	0	113	56-142	212.4	5.94	30	
n-Butylbenzene	217.9	3.4	11	200	0	109	72-116	206.3	5.47	30	
n-Propylbenzene	207.3	4.8	16	200	0	104	74-118	199.2	3.99	30	
o-Xylene	203.2	3.1	10	200	0	102	77-116	196.5	3.35	30	
p-Isopropyltoluene	211.7	2.6	8.8	200	0	106	77-122	202.8	4.29	30	
sec-Butylbenzene	198.3	3	10	200	0	99.2	76-121	191.9	3.28	30	
Styrene	197.4	3.3	11	200	0	98.7	76-123	192.9	2.31	30	
tert-Butylbenzene	202.4	3.9	13	200	0	101	76-118	193.8	4.34	30	
Tetrachloroethene	211	3.9	13	200	0	106	80-124	206.1	2.35	30	
Toluene	219.7	4.5	15	200	0	110	78-116	210	4.51	30	
trans-1,2-Dichloroethene	207.1	4.8	16	200	0	104	73-124	201.7	2.64	30	
trans-1,3-Dichloropropene	185.5	3.8	27	200	0	92.8	67-118	183.1	1.3	30	
Trichloroethene	188.1	4.3	14	200	0	94	75-122	192.4	2.26	30	
Trichlorofluoromethane	221.3	5.2	17	200	0	111	52-115	218.9	1.09	30	
Vinyl chloride	282.9	5.3	18	200	0	141	49-122	279.2	1.32	30	S
Xylenes, Total	610.1	8.1	44	600	0	102	77-119	594.4	2.61	30	
Surr: 1,2-Dichloroethane-d4	*205.6*	0	0	*200*	0	*103*	*80-120*	202.4	*1.57*	*30*	
Surr: 4-Bromofluorobenzene	*197.5*	0	0	*200*	0	*98.8*	*80-120*	190.8	*3.45*	*30*	
Surr: Dibromofluoromethane	*198*	0	0	*200*	0	*99*	*80-120*	198.8	*0.403*	*30*	
Surr: Toluene-d8	*206.5*	0	0	*200*	0	*103*	*80-120*	200.9	*2.75*	*30*	

The following samples were analyzed in this batch:

22120539-01A	22120539-02A	22120539-03A
22120539-04A	22120539-05A	22120539-06A
22120539-07A	22120539-08A	22120539-09A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Gannett Fleming, Inc.
Work Order: 22120539
Project: Koeller One

QC BATCH REPORT

Batch ID: **R360082c** Instrument ID **VMS7** Method: **SW8260C**

MBLK Sample ID: **7V-BLKW1-221212-R360082c** Units: **µg/L** Analysis Date: **12/12/2022 12:56 PM**
Client ID: Run ID: **VMS7_221212A** SeqNo: **9100024** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	U	0.39	1.3								
Surr: 1,2-Dichloroethane-d4	*22.28*	0	0	*20*	0	*111*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*18.47*	0	0	*20*	0	*92.4*	*80-120*	0			
Surr: Dibromofluoromethane	*20.17*	0	0	*20*	0	*101*	*80-120*	0			
Surr: Toluene-d8	*20.6*	0	0	*20*	0	*103*	*80-120*	0			

LCS Sample ID: **7V-LCSW1-221212-R360082c** Units: **µg/L** Analysis Date: **12/12/2022 12:07 PM**
Client ID: Run ID: **VMS7_221212A** SeqNo: **9100016** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	18.38	0.39	1.3	20	0	91.9	80-124	0			
Surr: 1,2-Dichloroethane-d4	*21.23*	0	0	*20*	0	*106*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*20.41*	0	0	*20*	0	*102*	*80-120*	0			
Surr: Dibromofluoromethane	*19.6*	0	0	*20*	0	*98*	*80-120*	0			
Surr: Toluene-d8	*20.05*	0	0	*20*	0	*100*	*80-120*	0			

MS Sample ID: **22120687-01E MS** Units: **µg/L** Analysis Date: **12/12/2022 07:43 PM**
Client ID: Run ID: **VMS7_221212A** SeqNo: **9100053** Prep Date: DF: **20**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	475.8	7.8	26	400	0	119	80-124	0			
Surr: 1,2-Dichloroethane-d4	*425.6*	0	0	*400*	0	*106*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*414.4*	0	0	*400*	0	*104*	*80-120*	0			
Surr: Dibromofluoromethane	*391*	0	0	*400*	0	*97.8*	*80-120*	0			
Surr: Toluene-d8	*405.6*	0	0	*400*	0	*101*	*80-120*	0			

MSD Sample ID: **22120687-01E MSD** Units: **µg/L** Analysis Date: **12/12/2022 07:59 PM**
Client ID: Run ID: **VMS7_221212A** SeqNo: **9100054** Prep Date: DF: **20**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Tetrachloroethene	420.8	7.8	26	400	0	105	80-124	475.8	12.3	30	
Surr: 1,2-Dichloroethane-d4	*423*	0	0	*400*	0	*106*	*80-120*	425.6	*0.613*	*30*	
Surr: 4-Bromofluorobenzene	*398*	0	0	*400*	0	*99.5*	*80-120*	414.4	*4.04*	*30*	
Surr: Dibromofluoromethane	*405.6*	0	0	*400*	0	*101*	*80-120*	391	*3.67*	*30*	
Surr: Toluene-d8	*390.6*	0	0	*400*	0	*97.6*	*80-120*	405.6	*3.77*	*30*	

The following samples were analyzed in this batch: 22120539-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Chain of Custody Form

ALS Group USA, Corp

Work Order: _____

Company Name	Gannett Fleming, Inc.	Purchase Order			Parameter/Method Request for Analysis.
		Company Name	Gannett Fleming, Inc.	A	VOCs
Send Report To	Anthony Miller	Invoice Attn	Accounts Payable	B	
Project Name	Koeller One	Project #	47358.003	C	
Address	8040 Excelsior Drive Suite 303	Address	8040 Excelsior Drive Suite 303 Suite 303	D	
				E	
City State Zip	Madison, WI 53717-1338	City State Zip	Madison, WI 53717-1338	F	
Phone	608-	Phone		G	
e-Mail Address	awmiller@gfnet.com	e-Mail Address		H	
				I	
				J	

#	Sample Description	Date	Time	Matrix	Preservative	# Bottles	A	B	C	D	E	F	G	H
1	MW-1	12/2/22	13:30	GW	HCl	3	x							
2	MW-2		11:55											
3	MW-3		12:15											
4	MW-3 dup		"			2								
5	MW-4		12:00			3								
6	MW-5		13:00											
7	MW-6		10:15											
8	MW-7		10:50											
9	Trip Blank					2								
10														

22120539
GANNETTFLEMING - WI: Gannett Fleming, Inc
Project: Koeller One

Notes: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035

Required Turnaround Time: _____
___ Std 10 Wk days ___ 5 Wk days ___ 2 Wk days ___ 24 hr

Results Due:

Relinquised by	Date	Time	Received by	Date	Time
	12/5/22	16:30		12-6-22	0900
				3.1 C	

NOTES:

QC Reporting Level: (check box below):

- Level II: Standard QC
- Level III: Std QC + Raw data
- Level IV: SW846 CLP-Like

Other:

ALS Group USA, Corp | 3352 128th Ave | | Holland Michigan 49424 | TEL. (616) 399-6070

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **GANNETTFLEMING - WI** Date/Time Received: **06-Dec-22 09:00**

Work Order: **22120539** Received by: **JD**

Checklist completed by Jason Delinger eSignature 07-Dec-22 Date Reviewed by: Jodi Blouw eSignature 07-Dec-22 Date

Matrices: water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.1/4.1 c	ir3	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	12/7/2022 9:53:41 AM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ATTACHMENT B

STATISICAL ANALYSIS SPREADSHEETS AND GRAPHS OF PCE CONCENTRATIONS

(2-YEAR AND 5-YEAR TRENDS)

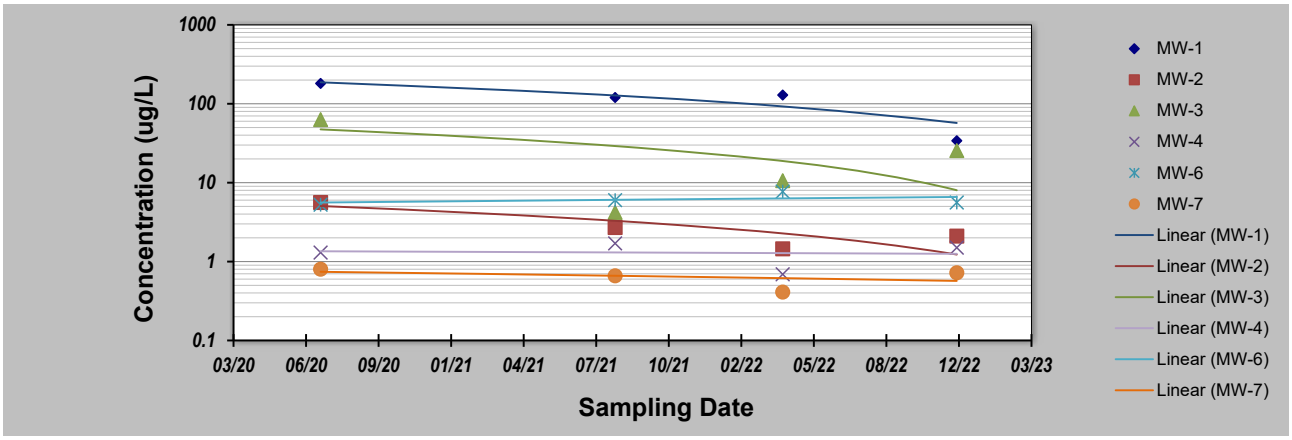
GANNETT FLEMING

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	15-Feb-23	Job ID:	47358.003
Facility Name:	Koeller One Center	Constituent:	PCE - 2 Yr Trends
Conducted By:	AWM	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7

Sampling Event	Sampling Date	PCE - 2 YR TRENDS CONCENTRATION (ug/L)					
1	07/08/20	**181**	**5.6**	**63**	*1.3*	**5.25**	*0.80*
2	08/18/21	**120**	*2.7*	*4.2*	*1.7*	**6.0**	*0.66*
3	04/06/22	**129**	*1.45*	**10.6**	*0.69*	**7.7**	0.41
4	12/02/22	**34**	*2.1*	**25.5**	*1.5*	**5.6**	*0.72*
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.53	0.62	1.02	0.34	0.18	0.26
Mann-Kendall Statistic (S):		-4	-4	0	0	2	-2
Confidence Factor:		83.3%	83.3%	37.5%	37.5%	62.5%	62.5%
Concentration Trend:		Stable	Stable	No Trend	Stable	No Trend	Stable



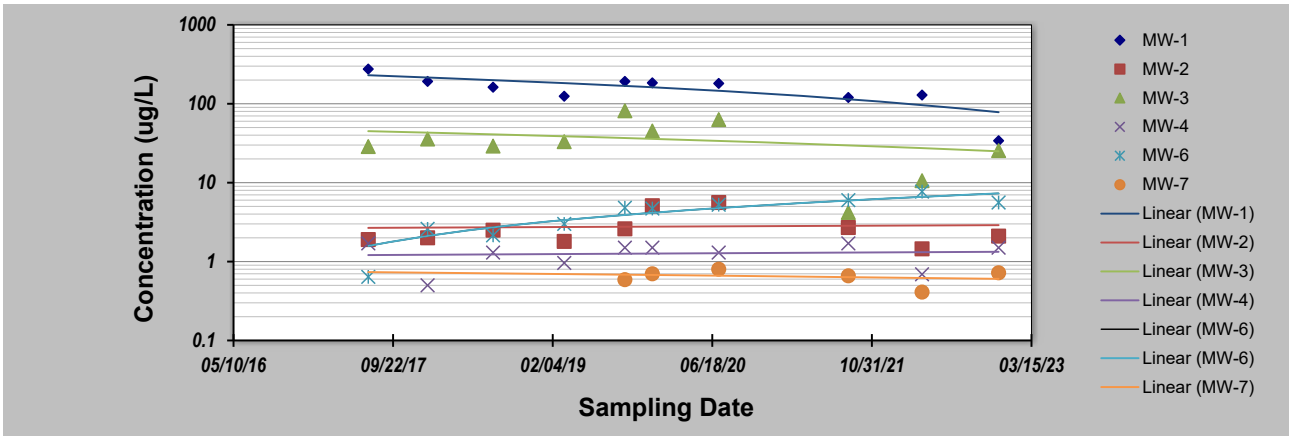
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	15-Feb-23	Job ID:	47358.003
Facility Name:	Koeller One Center	Constituent:	PCE - 5 Yr Trends
Conducted By:	AWM	Concentration Units:	ug/L

Sampling Point ID:	MW-1	MW-2	MW-3	MW-4	MW-6	MW-7	
Sampling Event	Sampling Date	PCE - 5 YR TRENDS CONCENTRATION (ug/L)						
1	07/06/17	**275**	*1.9*	**28.7**	*1.7*	*0.64*		
2	01/08/18	**192**	*2.0*	**35.8**	0.5	*2.6*		
3	08/01/18	**162**	*2.5*	**29.1**	*1.3*	*2.15*		
4	03/12/19	**125**	*1.8*	**33.1**	*0.96*	*3.0*		
5	09/18/19	**192**	*2.6*	**81.4**	*1.5*	*4.8*	*0.59*	
6	12/13/19	**184**	**5.1**	**45.2**	*1.5*	*4.7*	*0.70*	
7	07/08/20	**181**	**5.6**	**63**	*1.3*	**5.25**	*0.80*	
8	08/18/21	**120**	*2.7*	*4.2*	*1.7*	**6.0**	*0.66*	
9	04/06/22	**129**	*1.45*	**10.6**	*0.69*	**7.7**	0.41	
10	12/02/22	**34**	*2.1*	**25.5**	*1.5*	**5.6**	*0.72*	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.40	0.51	0.64	0.33	0.50	0.21	
Mann-Kendall Statistic (S):		-28	9	-5	4	37	1	
Confidence Factor:		99.4%	75.8%	63.6%	60.3%	>99.9%	50.0%	
Concentration Trend:		Decreasing	No Trend	Stable	No Trend	Increasing	No Trend	



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.