



Field & Technical Services

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November 9, 2023

Mr. John Sager
Wisconsin Department of Natural Resources
1701 N. 4th Street
Superior, WI 54880

**RE: Second Semi-Annual 2023 RCRA Groundwater Monitoring Results
Former Koppers Inc. Superior, Wisconsin Facility
WID 006 179 493**

Dear Mr. Sager:

On behalf of Beazer East, Inc. (Beazer), Field & Technical Services, LLC (FTS) is submitting to the Wisconsin Department of Natural Resources (WDNR) the Second Semi-Annual 2023 Resource Conservation and Recovery Act (RCRA) Groundwater Monitoring Results for the referenced facility. Appendix A includes one copy of the groundwater monitoring data certification for the subject groundwater monitoring event.

BACKGROUND

Monitoring wells in the vicinity of the closed surface impoundments were sampled and analyzed in accordance with the following documents:

- The Conditional Closure and Long-Term Care Plan Approval (WDNR, October 1, 1987);
- Long-Term Care Plan Approval Modification (October 29, 2002);
- Groundwater Monitoring Sampling and Analysis Plan (April 2002); and
- Wisconsin Administrative Code Chapter NR 664 subchapter (F) (formerly NR 635).

The wells that comprise the currently approved RCRA monitoring well network for the closed surface impoundments are as follows:

W-04AR2	W-06A	W-06C	W-10AR2	W-12A
W-12CR	W-28C	W-30A	W-30C	

Groundwater samples were collected and analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) from monitoring wells W-04AR2, W-06A, W-06C, W-10AR2, W-12A, W-12CR, W-28C, W-30A, and W-30C during the second semi-annual 2023 event.

In addition to these wells, a groundwater sample was collected and analyzed for SVOCs from monitoring well W-18D in conjunction with this monitoring event. Well W-18D is not a required component of the approved monitoring program, but was sampled at Beazer's discretion above and beyond the requirements of the program.

The locations of the wells included in the groundwater monitoring program are shown on Figure B-1, provided in Appendix B. The subject sampling event was conducted from October 2, 2023 through October 4, 2023. The sampling effort was led by Mr. Dakota Vanryn, FTS Field Technician.

In accordance with the documents listed above, the following items are included in this report:

- One signed copy of the Groundwater Monitoring Data Certification Statement (Appendix A);
- Well location map (Appendix B);
- Summary of detected constituents and Preventive Action Limit (PAL), and Enforcement Standard (ES) exceedances (Table C-1 of Appendix C);
- Summary of analytical data (Table C-2 of Appendix C);
- Data Evaluation Summary (Appendix D);
- An electronic version of the laboratory analytical data, including trip blank, equipment blank, and field duplicate results (Appendix E); and
- An electronic version of the ASCII formatted data (Appendix F).

SUMMARY OF ANALYTICAL RESULTS

The detected constituents are summarized and compared to the PALs and ESs in Table C-1 of Appendix C. Table C-2 in Appendix C summarizes all laboratory analytical data. As indicated in Table C-1, exceedances of the PALs and ESs were noted for the following parameters and wells:

Parameter	Regulatory Standard (ug/L)	Wells
ES Exceedance		
Benzene	5	W-10AR2
bis(2-Ethylhexyl)phthalate	6	W-12A, W-12CR, W-18D
Chrysene	0.2	W-06C
PAL Exceedance		
Benzene	0.5	W-10AR2
Benzo(a)pyrene	0.02	W-06C
Benzo(b)fluoranthene	0.02	W-06C
bis(2-Ethylhexyl)phthalate	0.6	W-12A, W-12CR, W-18D
Chrysene	0.02	W-04AR2, W-06C, W-10AR2

Based on these results, six wells (W-04AR2, W-06C, W-10AR2, W-12A, W-12CR, and W-18D) had concentrations of one or more constituents above a regulatory standard. The Groundwater Monitoring Data Certification form, provided as Appendix A, indicates that some of the data associated with the second semi-annual 2023 sampling event exceeded the Wisconsin PALs and ESs.

The data evaluation performed by FTS for the second semi-annual 2023 sampling event (Appendix D) indicated that certain data required qualification. However, the overall data quality was found to be acceptable.

In general, the groundwater standard exceedances should continue to be viewed in light of the ongoing Site-wide RCRA corrective action program and the approved natural attenuation remedy for groundwater. Therefore, in reviewing the second semi-annual 2023 data in reference to NR 140.24 and NR 140.26, no additional action beyond continued monitoring is necessary.

If you should have any questions regarding this correspondence, please do not hesitate to contact Ms. Jane Patarcity of Beazer at 412-208-8813 or Ms. Angela Gatchie of FTS at 412-428-9411.

Sincerely,

Field & Technical Services LLC



Angela Gatchie
Project Scientist

Attachments (Original Report and electronic copy)

cc: J. Patarcity, Beazer (electronic copy only)
B. Tatsch, Koppers (electronic copy only)
D. Bessingpas, ARCADIS (.pdf transmittal)
D. Coenen, WDNR
GEMS Database, WDNR
T. Peterson, TRP Properties, LLC

APPENDIX A
GROUNDWATER MONITORING DATA CERTIFICATION



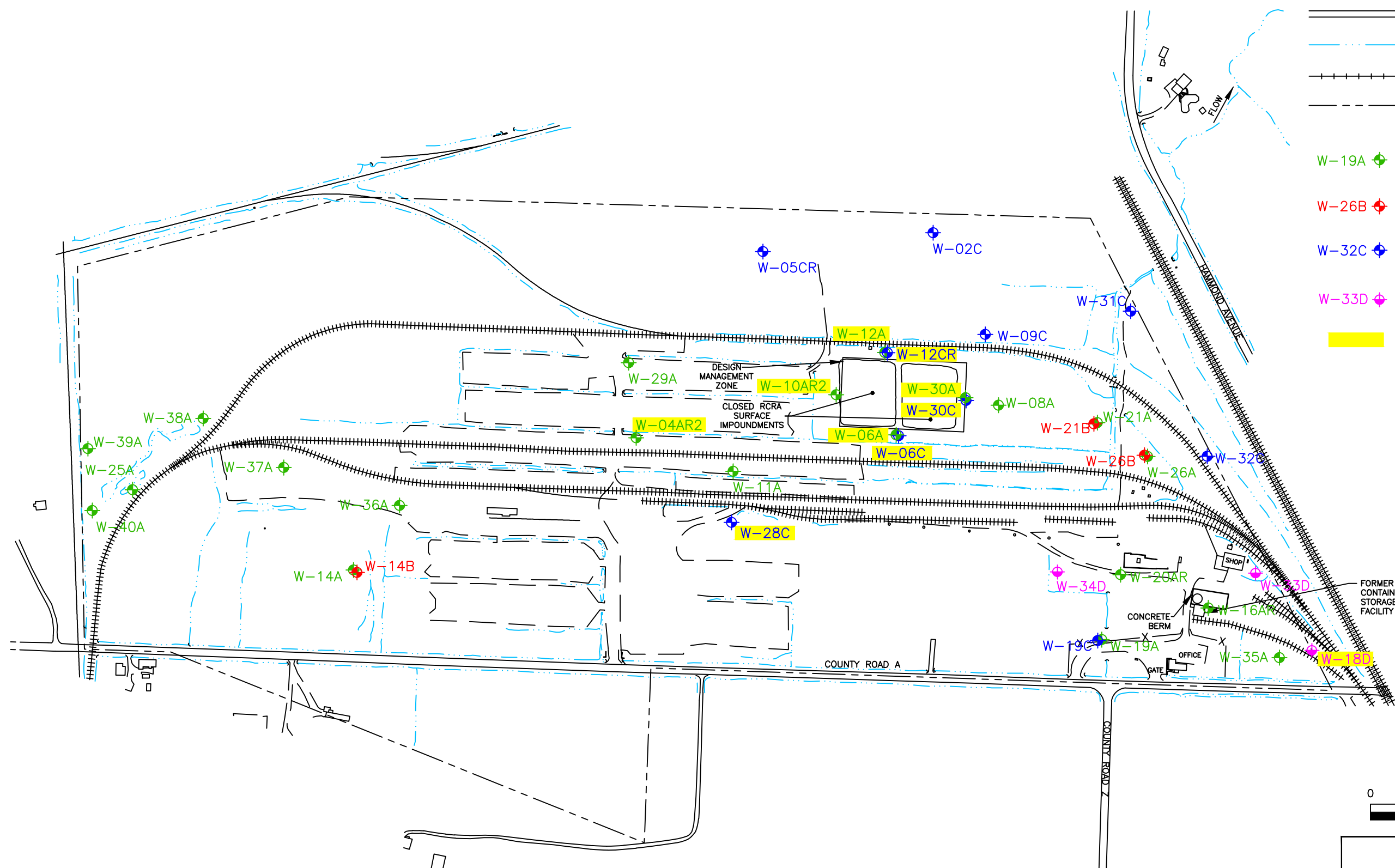
APPENDIX B
WELL LOCATION MAP





LEGEND

- ROAD
- STREAM OR DITCH
- RAILROAD TRACKS
- APPROXIMATE PROPERTY BOUNDARY
- W-19A A ZONE GROUNDWATER MONITORING WELL
- W-26B B ZONE GROUNDWATER MONITORING WELL
- W-32C C ZONE GROUNDWATER MONITORING WELL
- W-33D BEDROCK ZONE GROUNDWATER MONITORING WELL
- SAMPLED WELL LOCATION



BEAZER EAST, INC. PITTSBURGH, PENNSYLVANIA											
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DRWN: KLC	DATE: 06/01/23										
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APPD: JSZ	DATE: 06/20/23										
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FORMER KOPPERS INC. FACILITY SUPERIOR, WISCONSIN											
WELL LOCATIONS	PROJECT NO: 0M055623 DRAWING NUMBER FIGURE B-1										

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REV #	DATE	DESCRIPTION	APPD

REFERENCE: WISCONSIN STATE PLANE COORDINATE SYSTEM.

APPENDIX C

TABLES



Table C-1
Summary of Detected Constituents
Second Semi-Annual 2023 Sampling Event
Superior Facility
Superior, Wisconsin

Location	Parameter	Results ug/L	PAL ug/L	ES ug/L
8270D LL / 8270E LL				
W-10AR2	1-Methylnaphthalene	0.99 J	NA	NA
W-10AR2 DUP	1-Methylnaphthalene	2.3 J	NA	NA
W-10AR2	Acenaphthene	11 J	NA	NA
W-10AR2 DUP	Acenaphthene	27 J	NA	NA
W-10AR2	Acenaphthylene	0.46 J	NA	NA
W-10AR2 DUP	Acenaphthylene	0.87 J	NA	NA
W-04AR2	Anthracene	1.1	600	3000
W-06A	Anthracene	0.12 J	600	3000
W-06C	Anthracene	0.17 J	600	3000
W-10AR2	Anthracene	0.081 J	600	3000
W-10AR2 DUP	Anthracene	0.3 J	600	3000
W-12A	Anthracene	0.11 J	600	3000
W-12CR DUP	Anthracene	0.075 J	600	3000
W-30A	Anthracene	0.57	600	3000
W-30C	Anthracene	0.22 J	600	3000
W-06C	Benzo(a)anthracene	0.28	NA	NA
W-10AR2 DUP	Benzo(a)anthracene	0.061 J	NA	NA
W-06C	Benzo(a)pyrene	0.11 J	0.02	0.2
W-06C	Benzo(b)fluoranthene	0.17 J	0.02	0.2
W-12A	bis(2-Ethylhexyl)phthalate	8 J	0.6	6
W-12CR DUP	bis(2-Ethylhexyl)phthalate	11 J	0.6	6
W-18D	bis(2-Ethylhexyl)phthalate	12	0.6	6
W-12CR DUP	Butyl benzyl phthalate	0.6 J	NA	NA
W-04AR2	Chrysene	0.1 J	0.02	0.2
W-06C	Chrysene	0.38	0.02	0.2
W-10AR2 DUP	Chrysene	0.088 J	0.02	0.2
W-10AR2	Dibenzofuran	1.4 J	NA	NA
W-10AR2 DUP	Dibenzofuran	3.2 J	NA	NA
W-04AR2	Fluoranthene	0.15 J	80	400
W-06A	Fluoranthene	0.18 J	80	400
W-06C	Fluoranthene	1.4	80	400
W-10AR2	Fluoranthene	0.4 J	80	400
W-10AR2 DUP	Fluoranthene	0.91 J	80	400
W-12A	Fluoranthene	0.14 J	80	400
W-12CR DUP	Fluoranthene	0.12 J	80	400
W-04AR2	Fluorene	0.088 J	80	400
W-10AR2	Fluorene	2.2 J	80	400
W-10AR2 DUP	Fluorene	5.3 J	80	400
W-12CR DUP	Fluorene	0.09 J	80	400
W-18D	Naphthalene	0.37	10	100
W-06A	Phenanthrene	0.24 J+	NA	NA
W-06C	Phenanthrene	0.38 J+	NA	NA
W-10AR2 DUP	Phenol	0.59 J	400	2000
W-04AR2	Pyrene	0.079 J	50	250
W-06A	Pyrene	0.096 J	50	250
W-06C	Pyrene	0.96	50	250
W-10AR2	Pyrene	0.28 J	50	250
W-10AR2 DUP	Pyrene	0.48 J	50	250
W-12A	Pyrene	0.075 J	50	250
W-12CR DUP	Pyrene	0.076 J	50	250

Table C-1
Summary of Detected Constituents
Second Semi-Annual 2023 Sampling Event
Superior Facility
Superior, Wisconsin

Location	Parameter	Results ug/L	PAL ug/L	ES ug/L
8260C				
W-10AR2	1,2,4-Trimethylbenzene	10	96*	480*
W-10AR2 DUP	1,2,4-Trimethylbenzene	11	96*	480*
W-10AR2	Benzene	22	0.5	5
W-10AR2 DUP	Benzene	20	0.5	5
W-10AR2	Ethylbenzene	45	140	700
W-10AR2 DUP	Ethylbenzene	45	140	700
W-10AR2	Naphthalene	1.6	10	100
W-10AR2 DUP	Naphthalene	1.5	10	100
W-30A	Naphthalene	0.91 J	10	100
W-10AR2	Toluene	2.2	160	800
W-10AR2 DUP	Toluene	2.1	160	800
W-10AR2	Xylene, Meta & Para	3	400**	2000**
W-10AR2 DUP	Xylene, Meta & Para	3	400**	2000**
W-10AR2	Xylene, Ortho	16	400**	2000**
W-10AR2 DUP	Xylene, Ortho	15	400**	2000**

Notes:

- Indicates the detected value exceeds one or more specified standards.

PAL - Preventative Action Limit

ES - Enforcement Standard

NA - Not available

J - Estimated

J+ - Estimated biased high

* - Total trimethylbenzene standard

** - Total xylene standard

Table C-2
Analytical Summary - Second Semi-Annual 2023 Groundwater Data
Second Semi-Annual 2023 Sampling Event
Superior Facility
Superior, Wisconsin

ANALYTE NAME	UNITS	W-04AR2 10/3/2023	W-06A 10/3/2023	W-06C 10/3/2023	W-10AR2 10/4/2023	W-10AR2-DUP 10/4/2023	W-12A 10/3/2023	W-12CR 10/3/2023	W-12CR-DUP 10/3/2023	W-18D 10/3/2023	W-28C 10/3/2023	W-30A 10/3/2023	W-30C 10/3/2023	Equipment Blank 10/3/2023	Equipment Blank 10/4/2023	Trip Blank 10/3/2023	
8260C																	
1,1,1-TRICHLOROETHANE	UG/L	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	NA	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	
1,2,4-TRIMETHYLBENZENE	UG/L	0.75 U	0.75 U	0.75 U	10	11	0.75 U	0.75 U	0.75 U	NA	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	
1,3,5-TRIMETHYLBENZENE	UG/L	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	NA	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	
BENZENE	UG/L	0.41 U	0.41 U	0.41 U	22	20	0.41 U	0.41 U	0.41 U	NA	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	
CHLOROMETHANE	UG/L	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	
ETHYLBENZENE	UG/L	0.74 U	0.74 U	0.74 U	45	45	0.74 U	0.74 U	0.74 U	NA	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	0.74 U	
METHYL(TERT)BUTYL ETHER	UG/L	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	
NAPHTHALENE	UG/L	0.43 U	0.43 U	0.43 U	1.6	1.5	0.43 U	0.43 U	0.43 U	NA	0.43 U	0.91 J	0.43 U	0.43 U	0.43 U	0.43 U	
N-BUTYLBENZENE	UG/L	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	NA	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	
N-PROPYLBENZENE	UG/L	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	NA	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	
STYRENE	UG/L	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	NA	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	0.73 U	
TOLUENE	UG/L	0.51 U	0.51 U	0.51 U	2.2	2.1	0.51 U	0.51 U	0.51 U	NA	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	
XYLENE, META & PARA	UG/L	0.66 U	0.66 U	0.66 U	3	3	0.66 U	0.66 U	0.66 U	NA	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	
O-XYLENE	UG/L	0.76 U	0.76 U	0.76 U	16	15	0.76 U	0.76 U	0.76 U	NA	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	0.76 U	
8270D LL/8270E LL																	
1,2,4-TRICHLOROBENZENE	UG/L	0.15 U	0.15 U	0.16 U	0.11 U	0.11 U	0.16 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	NA
1,2-DICHLOROBENZENE	UG/L	0.11 U	0.11 U	0.12 U	0.077 U	0.077 U	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.13 U	NA
1,3-DICHLOROBENZENE	UG/L	0.11 U	0.11 U	0.12 U	0.08 U	0.08 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	NA
1,4-DICHLOROBENZENE	UG/L	0.069 U	0.069 U	0.076 U	0.049 U	0.049 U	0.076 U	0.069 U	0.073 U	0.073 U	0.073 U	0.073 U	0.073 U	0.076 U	0.073 U	0.08 U	NA
1-METHYLNAPHTHALENE	UG/L	0.064 U	0.064 U	0.07 U	0.99 J	2.3 J	0.07 U	0.064 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.07 U	0.22 J	0.074 U	NA
2,3,4,6-TETRACHLOROPHENOL	UG/L	0.37 U	0.37 U	0.41 U	0.26 U	0.26 U	0.41 U	0.37 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.41 U	0.39 U	0.43 U	NA
2,3,5,6-TETRACHLOROPHENOL	UG/L	0.58 U	0.58 U	0.63 U	0.41 U	0.41 U	0.63 U	0.58 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.63 U	0.6 U	0.67 U	NA
2,4,5-TRICHLOROPHENOL	UG/L	0.29 U	0.29 U	0.32 U	0.2 U	0.2 U	0.32 U	0.29 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.32 U	0.3 U	0.33 U	NA
2,4,6-TRICHLOROPHENOL	UG/L	0.25 U	0.25 U	0.28 U	0.18 U	0.18 U	0.28 U	0.25 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.28 U	0.27 U	0.29 U	NA
2,4-DICHLOROPHENOL	UG/L	0.058 U	0.058 U	0.064 U	0.041 U	0.041 U	0.064 U	0.058 U	0.061 U	0.061 U	0.061 U	0.061 U	0.061 U	0.064 U	0.061 U	0.067 U	NA
2,4-DIMETHYLPHENOL	UG/L	0.19 U	0.19 U	0.21 U	0.13 U	0.13 U	0.21 U	0.19 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21 U	0.2 U	0.22 U	NA
2,4-DINITROPHENOL	UG/L	1.7 U	1.7 U	1.9 U	1.2 U	1.2 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	2 U	NA
2,4-DINITROTOLUENE	UG/L	0.4 U	0.4 U	0.44 U	0.28 U	0.28 U	0.44 U	0.4 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.44 U	0.42 U	0.46 U	NA
2,6-DINITROTOLUENE	UG/L	0.2 U	0.2 U	0.22 U	0.14 U	0.14 U	0.22 U	0.2 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.21 U	0.23 U	NA
2-CHLORONAPHTHALENE	UG/L	0.067 U	0.067 U	0.074 U	0.048 U	0.048 U	0.074 U	0.067 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.074 U	0.07 U	0.078 U	NA
2-CHLOROPHENOL	UG/L	0.15 U	0.15 U	0.16 U	0.1 U	0.1 U	0.16 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.16 U	0.15 U	0.17 U	NA
2-METHYLNAPHTHALENE	UG/L	0.07 U	0.07 U	0.078 U	0.05 U	0.05 U	0.078 U	0.07 U	0.074 U	0.074 U	0.074 U	0.074 U	0.074 U	0.078 U	0.41	0.082 U	NA
2-METHYLPHENOL	UG/L	0.34 U	0.34 U	0.38 U	0.24 U	0.24 U	0.38 U	0.34 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.38 U	0.36 U	0.39 U	NA
2-NITROANILINE	UG/L	0.62 U	0.62 U	0.69 U	0.44 U	0.44 U	0.69 U	0.62 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.69 U	0.65 U	0.72 U	NA
2-NITROPHENOL	UG/L	0.22 U	0.22 U	0.24 U	0.16 U	0.16 U	0.24 U	0.22 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.24 U	0.23 U	0.25 U	NA
3,3'-DICHLOROBENZIDINE	UG/L	0.66 U	0.66 U	0.73 U	0.47 U	0.47 U	0.73 U	0.66 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.73 U	0.69 U	0.77 U	NA
3-NITROANILINE	UG/L	0.5 U	0.5 U	0.55 U	0.35 U	0.35 U	0.55 U	0.5 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.55 U	0.52 U	0.58 U	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1.7 U	1.7 U	1.8 U	1.2 U	1.2 U	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	NA
4-BROMOPHENYL PHENYLETHER	UG/L	0.36 U	0.36 U	0.4 U	0.26 U	0.26 U	0.4 U	0.36 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.4 U	0.38 U	0.42 U	NA

Table C-2
Analytical Summary - Second Semi-Annual 2023 Groundwater Data
Second Semi-Annual 2023 Sampling Event
Superior Facility
Superior, Wisconsin

ANALYTE NAME	UNITS	W-04AR2 10/3/2023	W-06A 10/3/2023	W-06C 10/3/2023	W-10AR2 10/4/2023	W-10AR2-DUP 10/4/2023	W-12A 10/3/2023	W-12CR 10/3/2023	W-12CR-DUP 10/3/2023	W-18D 10/3/2023	W-28C 10/3/2023	W-30A 10/3/2023	W-30C 10/3/2023	Equipment Blank 10/3/2023	Equipment Blank 10/4/2023	Trip Blank 10/3/2023
4-CHLORO-3-METHYLPHENOL	UG/L	0.32 U	0.32 U	0.35 U	0.22 U	0.22 U	0.35 U	0.32 U	0.33 U	0.33 U	0.33 U	0.33 U	0.35 U	0.33 U	0.37 U	NA
4-CHLOROANILINE	UG/L	0.43 U	0.43 U	0.47 U	0.3 U	0.3 U	0.47 U	0.43 U	0.45 U	0.45 U	0.45 U	0.45 U	0.47 U	0.45 U	0.49 U	NA
4-CHLOROPHENYLPHENYL-ETHER	UG/L	0.25 U	0.25 U	0.28 U	0.18 U	0.18 U	0.28 U	0.25 U	0.26 U	0.26 U	0.26 U	0.26 U	0.28 U	0.26 U	0.29 U	NA
4-METHYLPHENOL	UG/L	0.42 U	0.42 U	0.47 U	0.3 U	0.3 U	0.47 U	0.42 U	0.44 U	0.44 U	0.44 U	0.44 U	0.47 U	0.44 U	0.49 U	NA
4-NITROANILINE	UG/L	0.41 U	0.41 U	0.45 U	0.29 U	0.29 U	0.45 U	0.41 U	0.43 U	0.43 U	0.43 U	0.43 U	0.45 U	0.43 U	0.48 U	NA
4-NITROPHENOL	UG/L	1.1 U	1.1 U	1.2 U	0.76 U	0.76 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	NA
ACENAPHTHENE	UG/L	0.074 U	0.074 U	0.24 U	11 J	27 J	0.081 U	0.074 U	0.077 U	0.077 U	0.077 U	0.077 U	0.081 U	0.31	0.086 U	NA
ACENAPHTHYLENE	UG/L	0.074 U	0.074 U	0.081 U	0.46 J	0.87 J	0.081 U	0.074 U	0.077 U	0.077 U	0.077 U	0.077 U	0.081 U	0.077 U	0.086 U	NA
ANTHRACENE	UG/L	1.1	0.12 J	0.17 J	0.081 J	0.3 J	0.11 J	0.056 U	0.075 J	0.058 U	0.058 U	0.57	0.22 J	0.058 U	0.064 U	NA
BENZO (A) ANTHRACENE	UG/L	0.085 U	0.085 U	0.28	0.06 U	0.061 J	0.094 U	0.085 U	0.089 U	0.089 U	0.089 U	0.089 U	0.094 U	0.089 U	0.099 U	NA
BENZO (A) PYRENE	UG/L	0.06 U	0.06 U	0.11 J	0.043 U	0.043 U	0.066 U	0.06 U	0.063 U	0.063 U	0.063 U	0.063 U	0.066 U	0.063 U	0.07 U	NA
BENZO (B) FLUORANTHENE	UG/L	0.11 U	0.11 U	0.17 J	0.078 U	0.078 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	NA
BENZO (G,H,I) PERYLENE	UG/L	0.078 U	0.078 U	0.086 U	0.056 U	0.056 U	0.086 U	0.078 U	0.082 U	0.082 U	0.082 U	0.082 U	0.086 U	0.082 U	0.091 U	NA
BENZO (K) FLUORANTHENE	UG/L	0.1 U	0.1 U	0.11 U	0.071 U	0.071 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.12 U	NA
BENZOIC ACID	UG/L	1 U	1 U	1.2 U	0.74 U	0.74 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	NA
BENZYL ALCOHOL	UG/L	0.19 U	0.19 U	0.2 U	0.13 U	0.13 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.2 U	0.19 U	0.21 U	NA
BIS (2-CHLOROETHOXY)- METHANE	UG/L	0.17 U	0.17 U	0.19 U	0.12 U	0.12 U	0.19 U	0.17 U	0.18 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U	0.2 U	NA
BIS (2-CHLOROETHYL) ETHER	UG/L	0.045 U	0.045 U	0.05 U	0.032 U	0.032 U	0.05 U	0.045 U	0.048 U	0.048 U	0.048 U	0.048 U	0.05 U	0.048 U	0.053 U	NA
BIS (2-CHLOROISOPROPYL)-ETHER	UG/L	0.066 U	0.066 U	0.073 U	0.047 U	0.047 U	0.073 U	0.066 U	0.069 U	0.069 U	0.069 U	0.069 U	0.073 U	0.069 U	0.076 U	NA
BIS (2-ETHYLHEXYL)- PHTHALATE	UG/L	7.1 U	7.1 U	7.8 U	5 U	5 U	8 J	7.1 U	11 J	12	7.4 U	7.4 U	7.8 U	7.4 U	8.2 U	NA
BUTYL BENZYL PHTHALATE	UG/L	0.53 U	0.53 U	0.58 U	0.37 U	0.37 U	0.58 U	0.53 U	0.6 J	0.55 U	0.55 U	0.55 U	0.58 U	0.55 U	0.61 U	NA
CHRYSENE	UG/L	0.1 J	0.092 U	0.38	0.065 U	0.088 J	0.1 U	0.092 U	0.096 U	0.096 U	0.096 U	0.096 U	0.1 U	0.096 U	0.11 U	NA
DIBENZO (A,H) ANTHRACENE	UG/L	0.082 U	0.082 U	0.09 U	0.058 U	0.058 U	0.09 U	0.082 U	0.086 U	0.086 U	0.086 U	0.086 U	0.09 U	0.086 U	0.095 U	NA
DIBENZOFURAN	UG/L	0.22 U	0.22 U	0.24 U	1.4 J	3.2 J	0.24 U	0.22 U	0.23 U	0.23 U	0.23 U	0.23 U	0.24 U	0.23 U	0.25 U	NA
DIETHYLPHTHALATE	UG/L	0.64 U	0.64 U	0.71 U	0.46 U	0.46 U	0.71 U	0.64 U	0.68 U	0.68 U	0.68 U	0.68 U	0.71 U	0.68 U	0.75 U	NA
DIMETHYLPHTHALATE	UG/L	0.23 U	0.23 U	0.25 U	0.16 U	0.16 U	0.25 U	0.23 U	0.24 U	0.24 U	0.24 U	0.24 U	0.25 U	0.24 U	0.26 U	NA
DI-N-BUTYLPHTHALATE	UG/L	0.84 U	2.9 U	5.8 U	0.6 U	1.4 U	5.1 U	1.5 U	5.1 U	5.8 U	6 U	1.3 U	5.3 U	7.6	1.8	NA
DI-N-OCTYLPHTHALATE	UG/L	0.78 U	0.78 U	0.86 U	0.55 U	0.55 U	0.86 U	0.78 U	0.82 U	0.82 U	0.82 U	0.82 U	0.86 U	0.82 U	0.9 U	NA
FLUORANTHENE	UG/L	0.15 J	0.18 J	1.4	0.4 J	0.91 J	0.14 J	0.068 U	0.12 J	0.071 U	0.071 U	0.071 U	0.075 U	0.071 U	0.079 U	NA
FLUORENE	UG/L	0.088 J	0.078 U	0.086 U	2.2 J	5.3 J	0.086 U	0.078 U	0.09 J	0.082 U	0.082 U	0.082 U	0.086 U	0.082 U	0.091 U	NA
HEXACHLOROBENZENE	UG/L	0.064 U	0.064 U	0.07 U	0.045 U	0.045 U	0.07 U	0.064 U	0.067 U	0.067 U	0.067 U	0.067 U	0.07 U	0.067 U	0.074 U	NA
HEXACHLOROBUTADIENE	UG/L	0.078 U	0.078 U	0.086 U	0.056 U	0.056 U	0.086 U	0.078 U	0.082 U	0.082 U	0.082 U	0.082 U	0.086 U	0.082 U	0.091 U	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	0.56 U	0.56 U	0.62 U	0.4 U	0.4 U	0.62 U	0.56 U	0.59 U	0.59 U	0.59 U	0.59 U	0.62 U	0.59 U	0.65 U	NA
HEXACHLOROETHANE	UG/L	0.15 U	0.15 U	0.17 U	0.11 U	0.11 U	0.17 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.16 U	0.18 U	NA
INDENO (1,2,3-CD) PYRENE	UG/L	0.097 U	0.097 U	0.11 U	0.069 U	0.069 U	0.11 U	0.097 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.11 U	NA
ISOPHORONE	UG/L	0.21 U	0.21 U	0.24 U	0.15 U	0.15 U	0.24 U	0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.24 U	0.22 U	0.25 U	NA
NAPHTHALENE	UG/L	NA	NA	NA	NA	NA	NA	NA	NA	0.37	NA	NA	NA	NA	NA	NA
NITROBENZENE	UG/L	0.57 U	0.57 U	0.63 U	0.4 U	0.4 U	0.63 U	0.57 U	0.6 U	0.6 U	0.6 U	0.6 U	0.63 U	0.6 U	0.66 U	NA
N-NITROSODI-N-PROPYLAMINE	UG/L	0.081 U	0.081 U	0.089 U	0.057 U	0.057 U	0.089 U	0.081 U	0.085 U	0.085 U	0.085 U	0.085 U	0.089 U	0.085 U	0.093 U	NA
N-NITROSO-DI-PHENYLAMINE	UG/L	0.14 U	0.14 U	0.15 U	0.096 U	0.096 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U	0.16 U	NA
PENTACHLOROPHENOL	UG/L	0.33 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.33 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	NA
PHENANTHRENE	UG/L	0.063 U	0.24 J+	0.38 J+	0.044 U	0.044 U	0.069 U	0.063 U	0.065 U	0.065 U	0.065 U	0.065 U	0.069 U	0.11 J	0.097 J	NA
PHENOL	UG/L	0.55 U	0.55 U	0.61 U	0.39 U	0.59 J	0.61 U	0.55 U	0.58 U	0.58 U	0.58 U	0.58 U	0.61 U	0.58 U	0.64 U	NA
PYRENE	UG/L	0.079 J	0.096 J	0.96	0.28 J	0.48 J	0.075 J	0.061 U	0.076 J	0.064 U	0.064 U	0.064 U	0.068 U	0.064 U	0.071 U	NA

Notes:
Bold values represent detections.
DUP indicates duplicate sample.
U indicates compound was not detected.
J indicates an estimated value.
J+ indicates an estimated value biased high.
NA indicates not analyzed.

APPENDIX D
DATA EVALUATION SUMMARY



FTS, LLC

DATE: October 19, 2023

FROM: Emily Vargo

SUBJECT: Superior Groundwater

SAMPLE DELIVERY GROUP (SDG): 180-163450-1

SAMPLES: SUPE-W-30C-100323, SUPE-W-06A-100323, SUPE-W-06C-100323, SUPE-EB-1-100323, SUPE-W-12A-100323, SUPE-W-28C-100323, SUPE-W-18D-100323, SUPE-M-99A-100323 (W-12CR), SUPE-TB-01-100323, SUPE-W-12CR-100323, SUPE-W-30A-100323, SUPE-W-04AR2-100323, SUPE-W-10AR2-100423, SUPE-EB-2-100423, SUPE-M-99B-100423 (W-10AR2)

ANALYSES: Method 8260C (VOCs), 8270E LL (SVOCs), 8270D LL (Pentachlorophenol)

LABORATORY: Eurofins Laboratories, Buffalo, Pittsburgh

The data contained in this SDG were evaluated with regard to the following parameters:

- Data Completeness
Noncompliance: None
- Holding Times
Noncompliance: None
- Laboratory Blank Contamination
Noncompliance: None
- Field Blank Contamination
Noncompliance: 1-Methylnaphthalene (0.22 J ug/l) was detected below the QL in equipment blank, SUPE-EB-1-100323, and the result in sample M-99A was qualified not detected at the QL. 2-Methylnaphthalene (0.41 ug/l) was detected above the QL in equipment blank, SUPE-EB-1-100323, and the results in samples W-06C, W-28C, W-18D, M-99A, and W-30A were qualified not detected at the QL. Acenaphthene (0.31 ug/l) was detected above the QL in the equipment blank, SUPE-EB-1-100323, and the results in samples W-06A, W-18D, M-99A, and W-04AR2 were qualified not detected at the QL. The acenaphthene result in sample W-06C was qualified not detected. Di-n-butyl phthalate (7.6 ug/l) was detected above the QL in equipment blank, SUPE-EB-1-100323, and the results in samples W-30C, W-06A, W-06C, W-12A, W-28C, W-18D, M-99A, W-12CR, and W-30A were qualified not detected. The di-n-butyl phthalate result in sample W-04AR2 was qualified not detected at the QL. Phenanthrene (0.11 J ug/l) was detected below the QL in equipment blank, EB-01, and the results in samples W-30C, W-12A, W-18D, M-99A, W-12CR, W-30A, and W-04AR2 were qualified not detected at the QL. The phenanthrene results in samples W-06A and W-06C were qualified "J+". Di-n-butyl phthalate (1.8 ug/l) was detected above the QL in equipment blank, SUPE-EB-2-100323, and the result in sample W-10AR2 was qualified not detected at the QL. The di-n-butyl phthalate result in sample M-99B was qualified not detected. Phenanthrene (0.097 J ug/l) was detected below the QL in equipment blank, SUPE-EB-2-100323, and the results in samples W-10AR2 and M-99B were qualified not detected at the QL.
- Field Duplicate Precision
Noncompliance: See attached page for details.
- Surrogate Recoveries
Noncompliance: None

- Laboratory Control Sample
Noncompliance: None
- Matrix Spike/Matrix Spike Duplicate Sample
Noncompliance: The MS recoveries of several SVOCs fell below the recovery limits and no action was taken on this basis.

Field Duplicate Precision:

FIELD DUPLICATE PRECISION					
ANALYTE	W-12CR	QUAL	M-99A	QUAL	RPD
1-Methylnaphthalene	0.064	U	0.084	J	NC
2-Methylnaphthalene	0.07	U	0.22	J	NC
Acenaphthene	0.074	U	0.13	J	NC
Anthracene	0.056	U	0.075	J	NC
Bis(2-ethylhexyl)phthalate	7.1	U	11	J	NC
Butyl benzyl phthalate	0.53	U	0.6	J	NC
Di-n-butyl phthalate	1.5		5.1		109.09*
Fluoranthene	0.068	U	0.12	J	NC
Fluorene	0.078	U	0.09	J	NC
Phenanthrene	0.092	J	0.18	J	64.71*
Pyrene	0.061	U	0.076	J	NC
FIELD DUPLICATE PRECISION					
ANALYTE	W-10AR2	QUAL	M-99B	QUAL	RPD
1,2,4-Trimethylbenzene	10		11		9.52
1-Methylnaphthalene	0.99		2.3		79.64*
Acenaphthene	11		27		84.21*
Acenaphthylene	0.46		0.87		61.65*
Anthracene	0.081	J	0.3		114.96*
Benzene	22		20		9.52
Benzo(a)anthracene	0.06	U	0.061	J	NC
Chrysene	0.065	U	0.088	J	NC
Dibenzofuran	1.4		3.2		78.26*
Di-n-butyl phthalate	0.62	J	1.4		77.23*
Ethylbenzene	45		45		0.00
Fluoranthene	0.4		0.91		77.86*
Fluorene	2.2		5.3		82.67*
m&p-Xylenes	3		3		0.00
Naphthalene	1.6		1.5		6.45
o-Xylene	16		15		6.45
Phenanthrene	0.054	J	0.092	J	52.05*
Phenol	0.39	U	0.59	J	NC
Pyrene	0.28		0.48		52.63*
Toluene	2.2		2.1		4.65

NC – not calculated due to nondetect result

* - RPD is greater than 30%, associated samples are qualified as estimated, "J," due to laboratory or field sampling imprecision unless qualified as not detected due to blank contamination.

APPENDIX E
LABORATORY ANALYTICAL DATA



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Ms. Angie Gatchie
Field & Technical Services LLC
200 Third Avenue
Carnegie, Pennsylvania 15106

Generated 10/23/2023 10:45:28 AM Revision 1

JOB DESCRIPTION

Superior, WI Semiannual Groundwater

JOB NUMBER

180-163450-1

Eurofins Pittsburgh

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization



Authorized for release by
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Case Narrative

Client: Field & Technical Services LLC
Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Job ID: 180-163450-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-163450-1

102323 Revised report to remove pentachlorophenol from 8270E at client request. This report replaces the report previously issued on 101823.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/5/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-686979 was outside the method criteria for the following analyte: Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is impacted: SUPE-M-99B-100423 (180-163450-15).

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

GC/MS Semi VOA

Method 8270E_LL: Received limited quantity, insufficient amount for MSD. (180-163450-D-10 MS)

Method 8270E_LL: The matrix spike (MS) recoveries for preparation batch 180-448704 and analytical batch 180-449286 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270E_LL: The continuing calibration verification (CCV) associated with batch 180-449281 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 180-449281/3).

Method 8270D_LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-686639.

Method 8270D_LL: The continuing calibration verification (CCV) associated with batch 480-686733 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

Definitions/Glossary

Client: Field & Technical Services LLC
Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Accreditation/Certification Summary

Client: Field & Technical Services LLC
Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998027800	08-31-24

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-24

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

Sample Summary

Client: Field & Technical Services LLC
Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-163450-1	SUPE-W-30C-100323	Water	10/03/23 11:54	10/05/23 09:10
180-163450-2	SUPE-W-06A-100323	Water	10/03/23 13:47	10/05/23 09:10
180-163450-3	SUPE-W-06C-100323	Water	10/03/23 15:20	10/05/23 09:10
180-163450-4	SUPE-EB-1-100323	Water	10/03/23 15:45	10/05/23 09:10
180-163450-5	SUPE-W-12A-100323	Water	10/03/23 16:56	10/05/23 09:10
180-163450-6	SUPE-W-28C-100323	Water	10/03/23 10:33	10/05/23 09:10
180-163450-7	SUPE-W-18D-100323	Water	10/03/23 11:43	10/05/23 09:10
180-163450-8	SUPE-M-99A-100323	Water	10/03/23 12:00	10/05/23 09:10
180-163450-9	SUPE-TB-01-100323	Water	10/03/23 12:00	10/05/23 09:10
180-163450-10	SUPE-W-12CR-100323	Water	10/03/23 13:32	10/05/23 09:10
180-163450-11	SUPE-W-30A-100323	Water	10/03/23 15:20	10/05/23 09:10
180-163450-12	SUPE-W-04AR2-100323	Water	10/03/23 17:00	10/05/23 09:10
180-163450-13	SUPE-W-10AR2-100423	Water	10/04/23 09:44	10/05/23 09:10
180-163450-14	SUPE-EB-2-100423	Water	10/04/23 09:54	10/05/23 09:10
180-163450-15	SUPE-M-99B-100423	Water	10/04/23 10:39	10/05/23 09:10



Method Summary

Client: Field & Technical Services LLC
Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	EET BUF
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3520C	Liquid-Liquid Extraction (Continuous)	SW846	EET PIT
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Lab Chronicle

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30C-100323

Lab Sample ID: 180-163450-1

Date Collected: 10/03/23 11:54

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 16:37	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 09:13	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			200 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 17:39	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-W-06A-100323

Lab Sample ID: 180-163450-2

Date Collected: 10/03/23 13:47

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 17:02	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 09:39	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			220 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 18:01	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-W-06C-100323

Lab Sample ID: 180-163450-3

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 17:26	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 10:06	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			200 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 18:22	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 17:50	ZN	EET BUF
Instrument ID: HP5977L										

Lab Chronicle

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 10:33	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			210 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 18:43	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-W-12A-100323

Lab Sample ID: 180-163450-5

Date Collected: 10/03/23 16:56

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 18:15	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 11:00	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			200 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 19:05	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-W-28C-100323

Lab Sample ID: 180-163450-6

Date Collected: 10/03/23 10:33

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 18:40	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 11:27	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			210 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 19:26	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-W-18D-100323

Lab Sample ID: 180-163450-7

Date Collected: 10/03/23 11:43

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 11:54	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			210 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 19:47	VVP	EET PIT
Instrument ID: CH731										

Eurofins Pittsburgh

Lab Chronicle

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99A-100323

Lab Sample ID: 180-163450-8

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 19:04	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 12:21	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			210 mL	250 uL	448702	10/09/23 14:29	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449026	10/12/23 20:09	VVP	EET PIT
Instrument ID: CH731										

Client Sample ID: SUPE-TB-01-100323

Lab Sample ID: 180-163450-9

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 19:28	ZN	EET BUF
Instrument ID: HP5977L										

Client Sample ID: SUPE-W-12CR-100323

Lab Sample ID: 180-163450-10

Date Collected: 10/03/23 13:32

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 19:53	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1040 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 12:47	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			220 mL	250 uL	448704	10/09/23 14:41	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449286	10/16/23 14:05	VVP	EET PIT
Instrument ID: CH732										

Client Sample ID: SUPE-W-30A-100323

Lab Sample ID: 180-163450-11

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 20:18	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 13:14	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			210 mL	250 uL	448704	10/09/23 14:41	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449286	10/16/23 14:49	VVP	EET PIT
Instrument ID: CH732										

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Lab Chronicle

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-04AR2-100323

Lab Sample ID: 180-163450-12

Date Collected: 10/03/23 17:00

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 20:42	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1040 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686733	10/11/23 13:41	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			220 mL	250 uL	448704	10/09/23 14:41	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449286	10/16/23 15:11	VVP	EET PIT
Instrument ID: CH732										

Client Sample ID: SUPE-W-10AR2-100423

Lab Sample ID: 180-163450-13

Date Collected: 10/04/23 09:44

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 21:06	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686737	10/11/23 18:16	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			310 mL	250 uL	448788	10/10/23 11:14	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449298	10/16/23 21:20	VVP	EET PIT
Instrument ID: CHMSD7										

Client Sample ID: SUPE-EB-2-100423

Lab Sample ID: 180-163450-14

Date Collected: 10/04/23 09:54

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686612	10/09/23 21:31	ZN	EET BUF
Instrument ID: HP5977L										
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686737	10/11/23 18:43	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			190 mL	250 uL	448788	10/10/23 11:14	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449286	10/16/23 18:29	VVP	EET PIT
Instrument ID: CH732										

Client Sample ID: SUPE-M-99B-100423

Lab Sample ID: 180-163450-15

Date Collected: 10/04/23 10:39

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	686979	10/12/23 08:11	LCH	EET BUF
Instrument ID: HP5977K										

Eurofins Pittsburgh

Lab Chronicle

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99B-100423

Lab Sample ID: 180-163450-15

Date Collected: 10/04/23 10:39

Matrix: Water

Date Received: 10/05/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1050 mL	1 mL	686639	10/09/23 14:28	LSC	EET BUF
Total/NA	Analysis	8270D LL		1	1 mL	1 mL	686737	10/11/23 19:09	JMM	EET BUF
Instrument ID: HP5973Y										
Total/NA	Prep	3520C			310 mL	250 uL	448788	10/10/23 11:14	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	449281	10/16/23 17:54	VVP	EET PIT
Instrument ID: CH731										

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET BUF

Batch Type: Prep

LSC = Lane Capelli

Batch Type: Analysis

JMM = Joseph Marshall

LCH = Leah Hill

ZN = Zachary Nyhart

Lab: EET PIT

Batch Type: Prep

BJT = Bill Trout

Batch Type: Analysis

VVP = Vincent Piccolino

Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30C-100323

Lab Sample ID: 180-163450-1

Date Collected: 10/03/23 11:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 16:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 16:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 16:37	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 16:37	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 16:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 16:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 16:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 16:37	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 16:37	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 16:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 16:37	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 16:37	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 16:37	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 16:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					10/09/23 16:37	1
4-Bromofluorobenzene (Surr)	96		73 - 120					10/09/23 16:37	1
Dibromofluoromethane (Surr)	107		75 - 123					10/09/23 16:37	1
Toluene-d8 (Surr)	98		80 - 120					10/09/23 16:37	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 09:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		24 - 146				10/09/23 14:28	10/11/23 09:13	1
2-Fluorobiphenyl	103		37 - 120				10/09/23 14:28	10/11/23 09:13	1
2-Fluorophenol (Surr)	48		10 - 120				10/09/23 14:28	10/11/23 09:13	1
Nitrobenzene-d5 (Surr)	83		26 - 120				10/09/23 14:28	10/11/23 09:13	1
Phenol-d5 (Surr)	33		11 - 120				10/09/23 14:28	10/11/23 09:13	1
p-Terphenyl-d14	94		64 - 127				10/09/23 14:28	10/11/23 09:13	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 17:39	1
1,2-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 17:39	1
1,3-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 17:39	1
1,4-Dichlorobenzene	ND		1.3	0.076	ug/L		10/09/23 14:29	10/12/23 17:39	1
1-Methylnaphthalene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,3,4,6-Tetrachlorophenol	ND		1.3	0.41	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,3,5,6-Tetrachlorophenol	ND		1.3	0.63	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4,5-Trichlorophenol	ND		1.3	0.32	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4,6-Trichlorophenol	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4-Dichlorophenol	ND		0.24	0.064	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4-Dimethylphenol	ND		1.3	0.21	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4-Dinitrophenol	ND		13	1.9	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,4-Dinitrotoluene	ND		1.3	0.44	ug/L		10/09/23 14:29	10/12/23 17:39	1
2,6-Dinitrotoluene	ND		1.3	0.22	ug/L		10/09/23 14:29	10/12/23 17:39	1

Eurofins Pittsburgh

Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30C-100323

Lab Sample ID: 180-163450-1

Date Collected: 10/03/23 11:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		0.24	0.074	ug/L		10/09/23 14:29	10/12/23 17:39	1
2-Chlorophenol	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 17:39	1
2-Methylnaphthalene	ND		0.24	0.078	ug/L		10/09/23 14:29	10/12/23 17:39	1
2-Methylphenol	ND		1.3	0.38	ug/L		10/09/23 14:29	10/12/23 17:39	1
2-Nitroaniline	ND		6.3	0.69	ug/L		10/09/23 14:29	10/12/23 17:39	1
2-Nitrophenol	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 17:39	1
3,3'-Dichlorobenzidine	ND		1.3	0.73	ug/L		10/09/23 14:29	10/12/23 17:39	1
3-Nitroaniline	ND		6.3	0.55	ug/L		10/09/23 14:29	10/12/23 17:39	1
4,6-Dinitro-2-methylphenol	ND		6.3	1.8	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Bromophenyl phenyl ether	ND		1.3	0.40	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Chloro-3-methylphenol	ND		1.3	0.35	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Chloroaniline	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Chlorophenyl phenyl ether	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Nitroaniline	ND		6.3	0.45	ug/L		10/09/23 14:29	10/12/23 17:39	1
4-Nitrophenol	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 17:39	1
Acenaphthene	ND		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 17:39	1
Acenaphthylene	ND		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 17:39	1
Anthracene	0.22	J	0.24	0.061	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzo[a]anthracene	ND		0.24	0.094	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzo[a]pyrene	ND		0.24	0.066	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzo[b]fluoranthene	ND		0.24	0.12	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzo[g,h,i]perylene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzo[k]fluoranthene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzoic acid	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 17:39	1
Benzyl alcohol	ND		1.3	0.20	ug/L		10/09/23 14:29	10/12/23 17:39	1
Bis(2-chloroethoxy)methane	ND		1.3	0.19	ug/L		10/09/23 14:29	10/12/23 17:39	1
Bis(2-chloroethyl)ether	ND		0.24	0.050	ug/L		10/09/23 14:29	10/12/23 17:39	1
Bis(2-ethylhexyl) phthalate	ND		13	7.8	ug/L		10/09/23 14:29	10/12/23 17:39	1
bis(chloroisopropyl) ether	ND		0.24	0.073	ug/L		10/09/23 14:29	10/12/23 17:39	1
Butyl benzyl phthalate	ND		1.3	0.58	ug/L		10/09/23 14:29	10/12/23 17:39	1
Chrysene	ND		0.24	0.10	ug/L		10/09/23 14:29	10/12/23 17:39	1
Dibenz(a,h)anthracene	ND		0.24	0.090	ug/L		10/09/23 14:29	10/12/23 17:39	1
Dibenzofuran	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 17:39	1
Diethyl phthalate	ND		1.3	0.71	ug/L		10/09/23 14:29	10/12/23 17:39	1
Dimethyl phthalate	ND		1.3	0.25	ug/L		10/09/23 14:29	10/12/23 17:39	1
Di-n-butyl phthalate	5.3		1.3	0.93	ug/L		10/09/23 14:29	10/12/23 17:39	1
Di-n-octyl phthalate	ND		1.3	0.86	ug/L		10/09/23 14:29	10/12/23 17:39	1
Fluoranthene	ND		0.24	0.075	ug/L		10/09/23 14:29	10/12/23 17:39	1
Fluorene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 17:39	1
Hexachlorobenzene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 17:39	1
Hexachlorobutadiene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 17:39	1
Hexachlorocyclopentadiene	ND		1.3	0.62	ug/L		10/09/23 14:29	10/12/23 17:39	1
Hexachloroethane	ND		1.3	0.17	ug/L		10/09/23 14:29	10/12/23 17:39	1
Indeno[1,2,3-cd]pyrene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 17:39	1
Isophorone	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 17:39	1
Methylphenol, 3 & 4	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 17:39	1
Nitrobenzene	ND		2.5	0.63	ug/L		10/09/23 14:29	10/12/23 17:39	1
N-Nitrosodi-n-propylamine	ND		0.24	0.089	ug/L		10/09/23 14:29	10/12/23 17:39	1
N-Nitrosodiphenylamine	ND		1.3	0.15	ug/L		10/09/23 14:29	10/12/23 17:39	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30C-100323

Lab Sample ID: 180-163450-1

Date Collected: 10/03/23 11:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.10	J	0.24	0.069	ug/L		10/09/23 14:29	10/12/23 17:39	1
Phenol	ND		1.3	0.61	ug/L		10/09/23 14:29	10/12/23 17:39	1
Pyrene	ND		0.24	0.068	ug/L		10/09/23 14:29	10/12/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		23 - 128	10/09/23 14:29	10/12/23 17:39	1
2-Fluorobiphenyl	72		20 - 105	10/09/23 14:29	10/12/23 17:39	1
2-Fluorophenol (Surr)	66		20 - 105	10/09/23 14:29	10/12/23 17:39	1
Nitrobenzene-d5 (Surr)	73		20 - 107	10/09/23 14:29	10/12/23 17:39	1
Phenol-d5 (Surr)	68		20 - 106	10/09/23 14:29	10/12/23 17:39	1
Terphenyl-d14 (Surr)	69		22 - 120	10/09/23 14:29	10/12/23 17:39	1

Client Sample ID: SUPE-W-06A-100323

Lab Sample ID: 180-163450-2

Date Collected: 10/03/23 13:47

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 17:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 17:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 17:02	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 17:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 17:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 17:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 17:02	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 17:02	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 17:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 17:02	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 17:02	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 17:02	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/09/23 17:02	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/09/23 17:02	1
Dibromofluoromethane (Surr)	108		75 - 123		10/09/23 17:02	1
Toluene-d8 (Surr)	95		80 - 120		10/09/23 17:02	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 09:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	110		24 - 146	10/09/23 14:28	10/11/23 09:39	1
2-Fluorobiphenyl	100		37 - 120	10/09/23 14:28	10/11/23 09:39	1
2-Fluorophenol (Surr)	53		10 - 120	10/09/23 14:28	10/11/23 09:39	1
Nitrobenzene-d5 (Surr)	84		26 - 120	10/09/23 14:28	10/11/23 09:39	1
Phenol-d5 (Surr)	35		11 - 120	10/09/23 14:28	10/11/23 09:39	1
p-Terphenyl-d14	97		64 - 127	10/09/23 14:28	10/11/23 09:39	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-06A-100323

Lab Sample ID: 180-163450-2

Date Collected: 10/03/23 13:47

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.1	0.15	ug/L		10/09/23 14:29	10/12/23 18:01	1
1,2-Dichlorobenzene	ND		1.1	0.11	ug/L		10/09/23 14:29	10/12/23 18:01	1
1,3-Dichlorobenzene	ND		1.1	0.11	ug/L		10/09/23 14:29	10/12/23 18:01	1
1,4-Dichlorobenzene	ND		1.1	0.069	ug/L		10/09/23 14:29	10/12/23 18:01	1
1-Methylnaphthalene	ND		0.22	0.064	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,3,4,6-Tetrachlorophenol	ND		1.1	0.37	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.58	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4,5-Trichlorophenol	ND		1.1	0.29	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4,6-Trichlorophenol	ND		1.1	0.25	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4-Dichlorophenol	ND		0.22	0.058	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4-Dimethylphenol	ND		1.1	0.19	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4-Dinitrophenol	ND		11	1.7	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,4-Dinitrotoluene	ND		1.1	0.40	ug/L		10/09/23 14:29	10/12/23 18:01	1
2,6-Dinitrotoluene	ND		1.1	0.20	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Chloronaphthalene	ND		0.22	0.067	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Chlorophenol	ND		1.1	0.15	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Methylnaphthalene	ND		0.22	0.070	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Methylphenol	ND		1.1	0.34	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Nitroaniline	ND		5.7	0.62	ug/L		10/09/23 14:29	10/12/23 18:01	1
2-Nitrophenol	ND		1.1	0.22	ug/L		10/09/23 14:29	10/12/23 18:01	1
3,3'-Dichlorobenzidine	ND		1.1	0.66	ug/L		10/09/23 14:29	10/12/23 18:01	1
3-Nitroaniline	ND		5.7	0.50	ug/L		10/09/23 14:29	10/12/23 18:01	1
4,6-Dinitro-2-methylphenol	ND		5.7	1.7	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Bromophenyl phenyl ether	ND		1.1	0.36	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Chloro-3-methylphenol	ND		1.1	0.32	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Chloroaniline	ND		1.1	0.43	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Chlorophenyl phenyl ether	ND		1.1	0.25	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Nitroaniline	ND		5.7	0.41	ug/L		10/09/23 14:29	10/12/23 18:01	1
4-Nitrophenol	ND		5.7	1.1	ug/L		10/09/23 14:29	10/12/23 18:01	1
Acenaphthene	0.091	J	0.22	0.074	ug/L		10/09/23 14:29	10/12/23 18:01	1
Acenaphthylene	ND		0.22	0.074	ug/L		10/09/23 14:29	10/12/23 18:01	1
Anthracene	0.12	J	0.22	0.056	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzo[a]anthracene	ND		0.22	0.085	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzo[a]pyrene	ND		0.22	0.060	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzo[b]fluoranthene	ND		0.22	0.11	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzo[g,h,i]perylene	ND		0.22	0.078	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzo[k]fluoranthene	ND		0.22	0.10	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzoic acid	ND		5.7	1.0	ug/L		10/09/23 14:29	10/12/23 18:01	1
Benzyl alcohol	ND		1.1	0.19	ug/L		10/09/23 14:29	10/12/23 18:01	1
Bis(2-chloroethoxy)methane	ND		1.1	0.17	ug/L		10/09/23 14:29	10/12/23 18:01	1
Bis(2-chloroethyl)ether	ND		0.22	0.045	ug/L		10/09/23 14:29	10/12/23 18:01	1
Bis(2-ethylhexyl) phthalate	ND		11	7.1	ug/L		10/09/23 14:29	10/12/23 18:01	1
bis(chloroisopropyl) ether	ND		0.22	0.066	ug/L		10/09/23 14:29	10/12/23 18:01	1
Butyl benzyl phthalate	ND		1.1	0.53	ug/L		10/09/23 14:29	10/12/23 18:01	1
Chrysene	ND		0.22	0.092	ug/L		10/09/23 14:29	10/12/23 18:01	1
Dibenz(a,h)anthracene	ND		0.22	0.082	ug/L		10/09/23 14:29	10/12/23 18:01	1
Dibenzofuran	ND		1.1	0.22	ug/L		10/09/23 14:29	10/12/23 18:01	1
Diethyl phthalate	ND		1.1	0.64	ug/L		10/09/23 14:29	10/12/23 18:01	1
Dimethyl phthalate	ND		1.1	0.23	ug/L		10/09/23 14:29	10/12/23 18:01	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-06A-100323

Lab Sample ID: 180-163450-2

Date Collected: 10/03/23 13:47

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	2.9		1.1	0.84	ug/L		10/09/23 14:29	10/12/23 18:01	1
Di-n-octyl phthalate	ND		1.1	0.78	ug/L		10/09/23 14:29	10/12/23 18:01	1
Fluoranthene	0.18	J	0.22	0.068	ug/L		10/09/23 14:29	10/12/23 18:01	1
Fluorene	ND		0.22	0.078	ug/L		10/09/23 14:29	10/12/23 18:01	1
Hexachlorobenzene	ND		0.22	0.064	ug/L		10/09/23 14:29	10/12/23 18:01	1
Hexachlorobutadiene	ND		0.22	0.078	ug/L		10/09/23 14:29	10/12/23 18:01	1
Hexachlorocyclopentadiene	ND		1.1	0.56	ug/L		10/09/23 14:29	10/12/23 18:01	1
Hexachloroethane	ND		1.1	0.15	ug/L		10/09/23 14:29	10/12/23 18:01	1
Indeno[1,2,3-cd]pyrene	ND		0.22	0.097	ug/L		10/09/23 14:29	10/12/23 18:01	1
Isophorone	ND		1.1	0.21	ug/L		10/09/23 14:29	10/12/23 18:01	1
Methylphenol, 3 & 4	ND		1.1	0.42	ug/L		10/09/23 14:29	10/12/23 18:01	1
Nitrobenzene	ND		2.3	0.57	ug/L		10/09/23 14:29	10/12/23 18:01	1
N-Nitrosodi-n-propylamine	ND		0.22	0.081	ug/L		10/09/23 14:29	10/12/23 18:01	1
N-Nitrosodiphenylamine	ND		1.1	0.14	ug/L		10/09/23 14:29	10/12/23 18:01	1
Phenanthrene	0.24		0.22	0.063	ug/L		10/09/23 14:29	10/12/23 18:01	1
Phenol	ND		1.1	0.55	ug/L		10/09/23 14:29	10/12/23 18:01	1
Pyrene	0.096	J	0.22	0.061	ug/L		10/09/23 14:29	10/12/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		23 - 128	10/09/23 14:29	10/12/23 18:01	1
2-Fluorobiphenyl	65		20 - 105	10/09/23 14:29	10/12/23 18:01	1
2-Fluorophenol (Surr)	66		20 - 105	10/09/23 14:29	10/12/23 18:01	1
Nitrobenzene-d5 (Surr)	71		20 - 107	10/09/23 14:29	10/12/23 18:01	1
Phenol-d5 (Surr)	65		20 - 106	10/09/23 14:29	10/12/23 18:01	1
Terphenyl-d14 (Surr)	64		22 - 120	10/09/23 14:29	10/12/23 18:01	1

Client Sample ID: SUPE-W-06C-100323

Lab Sample ID: 180-163450-3

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 17:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 17:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 17:26	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 17:26	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 17:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 17:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 17:26	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 17:26	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 17:26	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 17:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 17:26	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 17:26	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 17:26	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 17:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		10/09/23 17:26	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-06C-100323

Lab Sample ID: 180-163450-3

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		73 - 120		10/09/23 17:26	1
Dibromofluoromethane (Surr)	110		75 - 123		10/09/23 17:26	1
Toluene-d8 (Surr)	96		80 - 120		10/09/23 17:26	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 10:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		24 - 146	10/09/23 14:28	10/11/23 10:06	1
2-Fluorobiphenyl	100		37 - 120	10/09/23 14:28	10/11/23 10:06	1
2-Fluorophenol (Surr)	52		10 - 120	10/09/23 14:28	10/11/23 10:06	1
Nitrobenzene-d5 (Surr)	85		26 - 120	10/09/23 14:28	10/11/23 10:06	1
Phenol-d5 (Surr)	35		11 - 120	10/09/23 14:28	10/11/23 10:06	1
p-Terphenyl-d14	99		64 - 127	10/09/23 14:28	10/11/23 10:06	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 18:22	1
1,2-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 18:22	1
1,3-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 18:22	1
1,4-Dichlorobenzene	ND		1.3	0.076	ug/L		10/09/23 14:29	10/12/23 18:22	1
1-Methylnaphthalene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,3,4,6-Tetrachlorophenol	ND		1.3	0.41	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,3,5,6-Tetrachlorophenol	ND		1.3	0.63	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4,5-Trichlorophenol	ND		1.3	0.32	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4,6-Trichlorophenol	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4-Dichlorophenol	ND		0.24	0.064	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4-Dimethylphenol	ND		1.3	0.21	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4-Dinitrophenol	ND		13	1.9	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,4-Dinitrotoluene	ND		1.3	0.44	ug/L		10/09/23 14:29	10/12/23 18:22	1
2,6-Dinitrotoluene	ND		1.3	0.22	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Chloronaphthalene	ND		0.24	0.074	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Chlorophenol	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Methylnaphthalene	0.13	J	0.24	0.078	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Methylphenol	ND		1.3	0.38	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Nitroaniline	ND		6.3	0.69	ug/L		10/09/23 14:29	10/12/23 18:22	1
2-Nitrophenol	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 18:22	1
3,3'-Dichlorobenzidine	ND		1.3	0.73	ug/L		10/09/23 14:29	10/12/23 18:22	1
3-Nitroaniline	ND		6.3	0.55	ug/L		10/09/23 14:29	10/12/23 18:22	1
4,6-Dinitro-2-methylphenol	ND		6.3	1.8	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Bromophenyl phenyl ether	ND		1.3	0.40	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Chloro-3-methylphenol	ND		1.3	0.35	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Chloroaniline	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Chlorophenyl phenyl ether	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Nitroaniline	ND		6.3	0.45	ug/L		10/09/23 14:29	10/12/23 18:22	1
4-Nitrophenol	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 18:22	1
Acenaphthene	0.24		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 18:22	1
Acenaphthylene	ND		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 18:22	1
Anthracene	0.17	J	0.24	0.061	ug/L		10/09/23 14:29	10/12/23 18:22	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-06C-100323

Lab Sample ID: 180-163450-3

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.28		0.24	0.094	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzo[a]pyrene	0.11	J	0.24	0.066	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzo[b]fluoranthene	0.17	J	0.24	0.12	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzo[g,h,i]perylene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzo[k]fluoranthene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzoic acid	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 18:22	1
Benzyl alcohol	ND		1.3	0.20	ug/L		10/09/23 14:29	10/12/23 18:22	1
Bis(2-chloroethoxy)methane	ND		1.3	0.19	ug/L		10/09/23 14:29	10/12/23 18:22	1
Bis(2-chloroethyl)ether	ND		0.24	0.050	ug/L		10/09/23 14:29	10/12/23 18:22	1
Bis(2-ethylhexyl) phthalate	ND		13	7.8	ug/L		10/09/23 14:29	10/12/23 18:22	1
bis(chloroisopropyl) ether	ND		0.24	0.073	ug/L		10/09/23 14:29	10/12/23 18:22	1
Butyl benzyl phthalate	ND		1.3	0.58	ug/L		10/09/23 14:29	10/12/23 18:22	1
Chrysene	0.38		0.24	0.10	ug/L		10/09/23 14:29	10/12/23 18:22	1
Dibenz(a,h)anthracene	ND		0.24	0.090	ug/L		10/09/23 14:29	10/12/23 18:22	1
Dibenzofuran	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 18:22	1
Diethyl phthalate	ND		1.3	0.71	ug/L		10/09/23 14:29	10/12/23 18:22	1
Dimethyl phthalate	ND		1.3	0.25	ug/L		10/09/23 14:29	10/12/23 18:22	1
Di-n-butyl phthalate	5.8		1.3	0.93	ug/L		10/09/23 14:29	10/12/23 18:22	1
Di-n-octyl phthalate	ND		1.3	0.86	ug/L		10/09/23 14:29	10/12/23 18:22	1
Fluoranthene	1.4		0.24	0.075	ug/L		10/09/23 14:29	10/12/23 18:22	1
Fluorene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 18:22	1
Hexachlorobenzene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 18:22	1
Hexachlorobutadiene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 18:22	1
Hexachlorocyclopentadiene	ND		1.3	0.62	ug/L		10/09/23 14:29	10/12/23 18:22	1
Hexachloroethane	ND		1.3	0.17	ug/L		10/09/23 14:29	10/12/23 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 18:22	1
Isophorone	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 18:22	1
Methylphenol, 3 & 4	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 18:22	1
Nitrobenzene	ND		2.5	0.63	ug/L		10/09/23 14:29	10/12/23 18:22	1
N-Nitrosodi-n-propylamine	ND		0.24	0.089	ug/L		10/09/23 14:29	10/12/23 18:22	1
N-Nitrosodiphenylamine	ND		1.3	0.15	ug/L		10/09/23 14:29	10/12/23 18:22	1
Phenanthrene	0.38		0.24	0.069	ug/L		10/09/23 14:29	10/12/23 18:22	1
Phenol	ND		1.3	0.61	ug/L		10/09/23 14:29	10/12/23 18:22	1
Pyrene	0.96		0.24	0.068	ug/L		10/09/23 14:29	10/12/23 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		23 - 128	10/09/23 14:29	10/12/23 18:22	1
2-Fluorobiphenyl	58		20 - 105	10/09/23 14:29	10/12/23 18:22	1
2-Fluorophenol (Surr)	49		20 - 105	10/09/23 14:29	10/12/23 18:22	1
Nitrobenzene-d5 (Surr)	57		20 - 107	10/09/23 14:29	10/12/23 18:22	1
Phenol-d5 (Surr)	52		20 - 106	10/09/23 14:29	10/12/23 18:22	1
Terphenyl-d14 (Surr)	60		22 - 120	10/09/23 14:29	10/12/23 18:22	1

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 17:50	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 17:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 17:50	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 17:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 17:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 17:50	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 17:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 17:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 17:50	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 17:50	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 17:50	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		10/09/23 17:50	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/09/23 17:50	1
Dibromofluoromethane (Surr)	108		75 - 123		10/09/23 17:50	1
Toluene-d8 (Surr)	96		80 - 120		10/09/23 17:50	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		24 - 146	10/09/23 14:28	10/11/23 10:33	1
2-Fluorobiphenyl	103		37 - 120	10/09/23 14:28	10/11/23 10:33	1
2-Fluorophenol (Surr)	54		10 - 120	10/09/23 14:28	10/11/23 10:33	1
Nitrobenzene-d5 (Surr)	90		26 - 120	10/09/23 14:28	10/11/23 10:33	1
Phenol-d5 (Surr)	35		11 - 120	10/09/23 14:28	10/11/23 10:33	1
p-Terphenyl-d14	109		64 - 127	10/09/23 14:28	10/11/23 10:33	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 18:43	1
1,2-Dichlorobenzene	ND		1.2	0.11	ug/L		10/09/23 14:29	10/12/23 18:43	1
1,3-Dichlorobenzene	ND		1.2	0.12	ug/L		10/09/23 14:29	10/12/23 18:43	1
1,4-Dichlorobenzene	ND		1.2	0.073	ug/L		10/09/23 14:29	10/12/23 18:43	1
1-Methylnaphthalene	0.22	J	0.23	0.067	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,3,4,6-Tetrachlorophenol	ND		1.2	0.39	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,3,5,6-Tetrachlorophenol	ND		1.2	0.60	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4,5-Trichlorophenol	ND		1.2	0.30	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4,6-Trichlorophenol	ND		1.2	0.27	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4-Dichlorophenol	ND		0.23	0.061	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4-Dimethylphenol	ND		1.2	0.20	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4-Dinitrophenol	ND		12	1.8	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,4-Dinitrotoluene	ND		1.2	0.42	ug/L		10/09/23 14:29	10/12/23 18:43	1
2,6-Dinitrotoluene	ND		1.2	0.21	ug/L		10/09/23 14:29	10/12/23 18:43	1
2-Chloronaphthalene	ND		0.23	0.070	ug/L		10/09/23 14:29	10/12/23 18:43	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1.2	0.15	ug/L		10/09/23 14:29	10/12/23 18:43	1
2-Methylnaphthalene	0.41		0.23	0.074	ug/L		10/09/23 14:29	10/12/23 18:43	1
2-Methylphenol	ND		1.2	0.36	ug/L		10/09/23 14:29	10/12/23 18:43	1
2-Nitroaniline	ND		6.0	0.65	ug/L		10/09/23 14:29	10/12/23 18:43	1
2-Nitrophenol	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 18:43	1
3,3'-Dichlorobenzidine	ND		1.2	0.69	ug/L		10/09/23 14:29	10/12/23 18:43	1
3-Nitroaniline	ND		6.0	0.52	ug/L		10/09/23 14:29	10/12/23 18:43	1
4,6-Dinitro-2-methylphenol	ND		6.0	1.8	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Bromophenyl phenyl ether	ND		1.2	0.38	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Chloro-3-methylphenol	ND		1.2	0.33	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Chloroaniline	ND		1.2	0.45	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Chlorophenyl phenyl ether	ND		1.2	0.26	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Nitroaniline	ND		6.0	0.43	ug/L		10/09/23 14:29	10/12/23 18:43	1
4-Nitrophenol	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 18:43	1
Acenaphthene	0.31		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 18:43	1
Acenaphthylene	ND		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 18:43	1
Anthracene	ND		0.23	0.058	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzo[a]anthracene	ND		0.23	0.089	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzo[a]pyrene	ND		0.23	0.063	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzo[b]fluoranthene	ND		0.23	0.12	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzo[g,h,i]perylene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzo[k]fluoranthene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzoic acid	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 18:43	1
Benzyl alcohol	ND		1.2	0.19	ug/L		10/09/23 14:29	10/12/23 18:43	1
Bis(2-chloroethoxy)methane	ND		1.2	0.18	ug/L		10/09/23 14:29	10/12/23 18:43	1
Bis(2-chloroethyl)ether	ND		0.23	0.048	ug/L		10/09/23 14:29	10/12/23 18:43	1
Bis(2-ethylhexyl) phthalate	ND		12	7.4	ug/L		10/09/23 14:29	10/12/23 18:43	1
bis(chloroisopropyl) ether	ND		0.23	0.069	ug/L		10/09/23 14:29	10/12/23 18:43	1
Butyl benzyl phthalate	ND		1.2	0.55	ug/L		10/09/23 14:29	10/12/23 18:43	1
Chrysene	ND		0.23	0.096	ug/L		10/09/23 14:29	10/12/23 18:43	1
Dibenz(a,h)anthracene	ND		0.23	0.086	ug/L		10/09/23 14:29	10/12/23 18:43	1
Dibenzofuran	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 18:43	1
Diethyl phthalate	ND		1.2	0.68	ug/L		10/09/23 14:29	10/12/23 18:43	1
Dimethyl phthalate	ND		1.2	0.24	ug/L		10/09/23 14:29	10/12/23 18:43	1
Di-n-butyl phthalate	7.6		1.2	0.88	ug/L		10/09/23 14:29	10/12/23 18:43	1
Di-n-octyl phthalate	ND		1.2	0.82	ug/L		10/09/23 14:29	10/12/23 18:43	1
Fluoranthene	ND		0.23	0.071	ug/L		10/09/23 14:29	10/12/23 18:43	1
Fluorene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 18:43	1
Hexachlorobenzene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 18:43	1
Hexachlorobutadiene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 18:43	1
Hexachlorocyclopentadiene	ND		1.2	0.59	ug/L		10/09/23 14:29	10/12/23 18:43	1
Hexachloroethane	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 18:43	1
Indeno[1,2,3-cd]pyrene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 18:43	1
Isophorone	ND		1.2	0.22	ug/L		10/09/23 14:29	10/12/23 18:43	1
Methylphenol, 3 & 4	ND		1.2	0.44	ug/L		10/09/23 14:29	10/12/23 18:43	1
Nitrobenzene	ND		2.4	0.60	ug/L		10/09/23 14:29	10/12/23 18:43	1
N-Nitrosodi-n-propylamine	ND		0.23	0.085	ug/L		10/09/23 14:29	10/12/23 18:43	1
N-Nitrosodiphenylamine	ND		1.2	0.14	ug/L		10/09/23 14:29	10/12/23 18:43	1
Phenanthrene	0.11 J		0.23	0.065	ug/L		10/09/23 14:29	10/12/23 18:43	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-1-100323

Lab Sample ID: 180-163450-4

Date Collected: 10/03/23 15:45

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		1.2	0.58	ug/L		10/09/23 14:29	10/12/23 18:43	1
Pyrene	ND		0.23	0.064	ug/L		10/09/23 14:29	10/12/23 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		23 - 128				10/09/23 14:29	10/12/23 18:43	1
2-Fluorobiphenyl	74		20 - 105				10/09/23 14:29	10/12/23 18:43	1
2-Fluorophenol (Surr)	68		20 - 105				10/09/23 14:29	10/12/23 18:43	1
Nitrobenzene-d5 (Surr)	75		20 - 107				10/09/23 14:29	10/12/23 18:43	1
Phenol-d5 (Surr)	66		20 - 106				10/09/23 14:29	10/12/23 18:43	1
Terphenyl-d14 (Surr)	70		22 - 120				10/09/23 14:29	10/12/23 18:43	1

Client Sample ID: SUPE-W-12A-100323

Lab Sample ID: 180-163450-5

Date Collected: 10/03/23 16:56

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 18:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 18:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 18:15	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 18:15	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 18:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 18:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 18:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 18:15	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 18:15	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 18:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 18:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 18:15	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 18:15	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 18:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					10/09/23 18:15	1
4-Bromofluorobenzene (Surr)	94		73 - 120					10/09/23 18:15	1
Dibromofluoromethane (Surr)	104		75 - 123					10/09/23 18:15	1
Toluene-d8 (Surr)	91		80 - 120					10/09/23 18:15	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 11:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	106		24 - 146				10/09/23 14:28	10/11/23 11:00	1
2-Fluorobiphenyl	107		37 - 120				10/09/23 14:28	10/11/23 11:00	1
2-Fluorophenol (Surr)	55		10 - 120				10/09/23 14:28	10/11/23 11:00	1
Nitrobenzene-d5 (Surr)	88		26 - 120				10/09/23 14:28	10/11/23 11:00	1
Phenol-d5 (Surr)	37		11 - 120				10/09/23 14:28	10/11/23 11:00	1
p-Terphenyl-d14	106		64 - 127				10/09/23 14:28	10/11/23 11:00	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-12A-100323

Lab Sample ID: 180-163450-5

Date Collected: 10/03/23 16:56

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 19:05	1
1,2-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 19:05	1
1,3-Dichlorobenzene	ND		1.3	0.12	ug/L		10/09/23 14:29	10/12/23 19:05	1
1,4-Dichlorobenzene	ND		1.3	0.076	ug/L		10/09/23 14:29	10/12/23 19:05	1
1-Methylnaphthalene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,3,4,6-Tetrachlorophenol	ND		1.3	0.41	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,3,5,6-Tetrachlorophenol	ND		1.3	0.63	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4,5-Trichlorophenol	ND		1.3	0.32	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4,6-Trichlorophenol	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4-Dichlorophenol	ND		0.24	0.064	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4-Dimethylphenol	ND		1.3	0.21	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4-Dinitrophenol	ND		13	1.9	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,4-Dinitrotoluene	ND		1.3	0.44	ug/L		10/09/23 14:29	10/12/23 19:05	1
2,6-Dinitrotoluene	ND		1.3	0.22	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Chloronaphthalene	ND		0.24	0.074	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Chlorophenol	ND		1.3	0.16	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Methylnaphthalene	ND		0.24	0.078	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Methylphenol	ND		1.3	0.38	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Nitroaniline	ND		6.3	0.69	ug/L		10/09/23 14:29	10/12/23 19:05	1
2-Nitrophenol	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 19:05	1
3,3'-Dichlorobenzidine	ND		1.3	0.73	ug/L		10/09/23 14:29	10/12/23 19:05	1
3-Nitroaniline	ND		6.3	0.55	ug/L		10/09/23 14:29	10/12/23 19:05	1
4,6-Dinitro-2-methylphenol	ND		6.3	1.8	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Bromophenyl phenyl ether	ND		1.3	0.40	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Chloro-3-methylphenol	ND		1.3	0.35	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Chloroaniline	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Chlorophenyl phenyl ether	ND		1.3	0.28	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Nitroaniline	ND		6.3	0.45	ug/L		10/09/23 14:29	10/12/23 19:05	1
4-Nitrophenol	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 19:05	1
Acenaphthene	ND		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 19:05	1
Acenaphthylene	ND		0.24	0.081	ug/L		10/09/23 14:29	10/12/23 19:05	1
Anthracene	0.11	J	0.24	0.061	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzo[a]anthracene	ND		0.24	0.094	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzo[a]pyrene	ND		0.24	0.066	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzo[b]fluoranthene	ND		0.24	0.12	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzo[g,h,i]perylene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzo[k]fluoranthene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzoic acid	ND		6.3	1.2	ug/L		10/09/23 14:29	10/12/23 19:05	1
Benzyl alcohol	ND		1.3	0.20	ug/L		10/09/23 14:29	10/12/23 19:05	1
Bis(2-chloroethoxy)methane	ND		1.3	0.19	ug/L		10/09/23 14:29	10/12/23 19:05	1
Bis(2-chloroethyl)ether	ND		0.24	0.050	ug/L		10/09/23 14:29	10/12/23 19:05	1
Bis(2-ethylhexyl) phthalate	8.0	J	13	7.8	ug/L		10/09/23 14:29	10/12/23 19:05	1
bis(chloroisopropyl) ether	ND		0.24	0.073	ug/L		10/09/23 14:29	10/12/23 19:05	1
Butyl benzyl phthalate	ND		1.3	0.58	ug/L		10/09/23 14:29	10/12/23 19:05	1
Chrysene	ND		0.24	0.10	ug/L		10/09/23 14:29	10/12/23 19:05	1
Dibenz(a,h)anthracene	ND		0.24	0.090	ug/L		10/09/23 14:29	10/12/23 19:05	1
Dibenzofuran	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 19:05	1
Diethyl phthalate	ND		1.3	0.71	ug/L		10/09/23 14:29	10/12/23 19:05	1
Dimethyl phthalate	ND		1.3	0.25	ug/L		10/09/23 14:29	10/12/23 19:05	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-12A-100323

Lab Sample ID: 180-163450-5

Date Collected: 10/03/23 16:56

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	5.1		1.3	0.93	ug/L		10/09/23 14:29	10/12/23 19:05	1
Di-n-octyl phthalate	ND		1.3	0.86	ug/L		10/09/23 14:29	10/12/23 19:05	1
Fluoranthene	0.14	J	0.24	0.075	ug/L		10/09/23 14:29	10/12/23 19:05	1
Fluorene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 19:05	1
Hexachlorobenzene	ND		0.24	0.070	ug/L		10/09/23 14:29	10/12/23 19:05	1
Hexachlorobutadiene	ND		0.24	0.086	ug/L		10/09/23 14:29	10/12/23 19:05	1
Hexachlorocyclopentadiene	ND		1.3	0.62	ug/L		10/09/23 14:29	10/12/23 19:05	1
Hexachloroethane	ND		1.3	0.17	ug/L		10/09/23 14:29	10/12/23 19:05	1
Indeno[1,2,3-cd]pyrene	ND		0.24	0.11	ug/L		10/09/23 14:29	10/12/23 19:05	1
Isophorone	ND		1.3	0.24	ug/L		10/09/23 14:29	10/12/23 19:05	1
Methylphenol, 3 & 4	ND		1.3	0.47	ug/L		10/09/23 14:29	10/12/23 19:05	1
Nitrobenzene	ND		2.5	0.63	ug/L		10/09/23 14:29	10/12/23 19:05	1
N-Nitrosodi-n-propylamine	ND		0.24	0.089	ug/L		10/09/23 14:29	10/12/23 19:05	1
N-Nitrosodiphenylamine	ND		1.3	0.15	ug/L		10/09/23 14:29	10/12/23 19:05	1
Phenanthrene	0.22	J	0.24	0.069	ug/L		10/09/23 14:29	10/12/23 19:05	1
Phenol	ND		1.3	0.61	ug/L		10/09/23 14:29	10/12/23 19:05	1
Pyrene	0.075	J	0.24	0.068	ug/L		10/09/23 14:29	10/12/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		23 - 128	10/09/23 14:29	10/12/23 19:05	1
2-Fluorobiphenyl	62		20 - 105	10/09/23 14:29	10/12/23 19:05	1
2-Fluorophenol (Surr)	54		20 - 105	10/09/23 14:29	10/12/23 19:05	1
Nitrobenzene-d5 (Surr)	63		20 - 107	10/09/23 14:29	10/12/23 19:05	1
Phenol-d5 (Surr)	55		20 - 106	10/09/23 14:29	10/12/23 19:05	1
Terphenyl-d14 (Surr)	58		22 - 120	10/09/23 14:29	10/12/23 19:05	1

Client Sample ID: SUPE-W-28C-100323

Lab Sample ID: 180-163450-6

Date Collected: 10/03/23 10:33

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		10/09/23 18:40	10/09/23 18:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L		10/09/23 18:40	10/09/23 18:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L		10/09/23 18:40	10/09/23 18:40	1
Benzene	ND		1.0	0.41	ug/L		10/09/23 18:40	10/09/23 18:40	1
Chloromethane	ND		1.0	0.35	ug/L		10/09/23 18:40	10/09/23 18:40	1
Ethylbenzene	ND		1.0	0.74	ug/L		10/09/23 18:40	10/09/23 18:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L		10/09/23 18:40	10/09/23 18:40	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L		10/09/23 18:40	10/09/23 18:40	1
Naphthalene	ND		1.0	0.43	ug/L		10/09/23 18:40	10/09/23 18:40	1
n-Butylbenzene	ND		1.0	0.64	ug/L		10/09/23 18:40	10/09/23 18:40	1
N-Propylbenzene	ND		1.0	0.69	ug/L		10/09/23 18:40	10/09/23 18:40	1
o-Xylene	ND		1.0	0.76	ug/L		10/09/23 18:40	10/09/23 18:40	1
Styrene	ND		1.0	0.73	ug/L		10/09/23 18:40	10/09/23 18:40	1
Toluene	ND		1.0	0.51	ug/L		10/09/23 18:40	10/09/23 18:40	1
Xylenes, Total	ND		2.0	0.66	ug/L		10/09/23 18:40	10/09/23 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120	10/09/23 18:40	10/09/23 18:40	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-28C-100323

Lab Sample ID: 180-163450-6

Date Collected: 10/03/23 10:33

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		73 - 120		10/09/23 18:40	1
Dibromofluoromethane (Surr)	103		75 - 123		10/09/23 18:40	1
Toluene-d8 (Surr)	91		80 - 120		10/09/23 18:40	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		24 - 146	10/09/23 14:28	10/11/23 11:27	1
2-Fluorobiphenyl	97		37 - 120	10/09/23 14:28	10/11/23 11:27	1
2-Fluorophenol (Surr)	52		10 - 120	10/09/23 14:28	10/11/23 11:27	1
Nitrobenzene-d5 (Surr)	84		26 - 120	10/09/23 14:28	10/11/23 11:27	1
Phenol-d5 (Surr)	35		11 - 120	10/09/23 14:28	10/11/23 11:27	1
p-Terphenyl-d14	95		64 - 127	10/09/23 14:28	10/11/23 11:27	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 19:26	1
1,2-Dichlorobenzene	ND		1.2	0.11	ug/L		10/09/23 14:29	10/12/23 19:26	1
1,3-Dichlorobenzene	ND		1.2	0.12	ug/L		10/09/23 14:29	10/12/23 19:26	1
1,4-Dichlorobenzene	ND		1.2	0.073	ug/L		10/09/23 14:29	10/12/23 19:26	1
1-Methylnaphthalene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,3,4,6-Tetrachlorophenol	ND		1.2	0.39	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,3,5,6-Tetrachlorophenol	ND		1.2	0.60	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4,5-Trichlorophenol	ND		1.2	0.30	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4,6-Trichlorophenol	ND		1.2	0.27	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4-Dichlorophenol	ND		0.23	0.061	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4-Dimethylphenol	ND		1.2	0.20	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4-Dinitrophenol	ND		12	1.8	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,4-Dinitrotoluene	ND		1.2	0.42	ug/L		10/09/23 14:29	10/12/23 19:26	1
2,6-Dinitrotoluene	ND		1.2	0.21	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Chloronaphthalene	ND		0.23	0.070	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Chlorophenol	ND		1.2	0.15	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Methylnaphthalene	0.098	J	0.23	0.074	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Methylphenol	ND		1.2	0.36	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Nitroaniline	ND		6.0	0.65	ug/L		10/09/23 14:29	10/12/23 19:26	1
2-Nitrophenol	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 19:26	1
3,3'-Dichlorobenzidine	ND		1.2	0.69	ug/L		10/09/23 14:29	10/12/23 19:26	1
3-Nitroaniline	ND		6.0	0.52	ug/L		10/09/23 14:29	10/12/23 19:26	1
4,6-Dinitro-2-methylphenol	ND		6.0	1.8	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Bromophenyl phenyl ether	ND		1.2	0.38	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Chloro-3-methylphenol	ND		1.2	0.33	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Chloroaniline	ND		1.2	0.45	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Chlorophenyl phenyl ether	ND		1.2	0.26	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Nitroaniline	ND		6.0	0.43	ug/L		10/09/23 14:29	10/12/23 19:26	1
4-Nitrophenol	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 19:26	1
Acenaphthene	ND		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 19:26	1
Acenaphthylene	ND		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 19:26	1
Anthracene	ND		0.23	0.058	ug/L		10/09/23 14:29	10/12/23 19:26	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-28C-100323

Lab Sample ID: 180-163450-6

Date Collected: 10/03/23 10:33

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.23	0.089	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzo[a]pyrene	ND		0.23	0.063	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzo[b]fluoranthene	ND		0.23	0.12	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzo[g,h,i]perylene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzo[k]fluoranthene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzoic acid	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 19:26	1
Benzyl alcohol	ND		1.2	0.19	ug/L		10/09/23 14:29	10/12/23 19:26	1
Bis(2-chloroethoxy)methane	ND		1.2	0.18	ug/L		10/09/23 14:29	10/12/23 19:26	1
Bis(2-chloroethyl)ether	ND		0.23	0.048	ug/L		10/09/23 14:29	10/12/23 19:26	1
Bis(2-ethylhexyl) phthalate	ND		12	7.4	ug/L		10/09/23 14:29	10/12/23 19:26	1
bis(chloroisopropyl) ether	ND		0.23	0.069	ug/L		10/09/23 14:29	10/12/23 19:26	1
Butyl benzyl phthalate	ND		1.2	0.55	ug/L		10/09/23 14:29	10/12/23 19:26	1
Chrysene	ND		0.23	0.096	ug/L		10/09/23 14:29	10/12/23 19:26	1
Dibenz(a,h)anthracene	ND		0.23	0.086	ug/L		10/09/23 14:29	10/12/23 19:26	1
Dibenzofuran	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 19:26	1
Diethyl phthalate	ND		1.2	0.68	ug/L		10/09/23 14:29	10/12/23 19:26	1
Dimethyl phthalate	ND		1.2	0.24	ug/L		10/09/23 14:29	10/12/23 19:26	1
Di-n-butyl phthalate	6.0		1.2	0.88	ug/L		10/09/23 14:29	10/12/23 19:26	1
Di-n-octyl phthalate	ND		1.2	0.82	ug/L		10/09/23 14:29	10/12/23 19:26	1
Fluoranthene	ND		0.23	0.071	ug/L		10/09/23 14:29	10/12/23 19:26	1
Fluorene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:26	1
Hexachlorobenzene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 19:26	1
Hexachlorobutadiene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:26	1
Hexachlorocyclopentadiene	ND		1.2	0.59	ug/L		10/09/23 14:29	10/12/23 19:26	1
Hexachloroethane	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 19:26	1
Indeno[1,2,3-cd]pyrene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 19:26	1
Isophorone	ND		1.2	0.22	ug/L		10/09/23 14:29	10/12/23 19:26	1
Methylphenol, 3 & 4	ND		1.2	0.44	ug/L		10/09/23 14:29	10/12/23 19:26	1
Nitrobenzene	ND		2.4	0.60	ug/L		10/09/23 14:29	10/12/23 19:26	1
N-Nitrosodi-n-propylamine	ND		0.23	0.085	ug/L		10/09/23 14:29	10/12/23 19:26	1
N-Nitrosodiphenylamine	ND		1.2	0.14	ug/L		10/09/23 14:29	10/12/23 19:26	1
Phenanthrene	ND		0.23	0.065	ug/L		10/09/23 14:29	10/12/23 19:26	1
Phenol	ND		1.2	0.58	ug/L		10/09/23 14:29	10/12/23 19:26	1
Pyrene	ND		0.23	0.064	ug/L		10/09/23 14:29	10/12/23 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		23 - 128	10/09/23 14:29	10/12/23 19:26	1
2-Fluorobiphenyl	69		20 - 105	10/09/23 14:29	10/12/23 19:26	1
2-Fluorophenol (Surr)	51		20 - 105	10/09/23 14:29	10/12/23 19:26	1
Nitrobenzene-d5 (Surr)	72		20 - 107	10/09/23 14:29	10/12/23 19:26	1
Phenol-d5 (Surr)	60		20 - 106	10/09/23 14:29	10/12/23 19:26	1
Terphenyl-d14 (Surr)	69		22 - 120	10/09/23 14:29	10/12/23 19:26	1

Client Sample ID: SUPE-W-18D-100323

Lab Sample ID: 180-163450-7

Date Collected: 10/03/23 11:43

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 11:54	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-18D-100323

Lab Sample ID: 180-163450-7

Date Collected: 10/03/23 11:43

Matrix: Water

Date Received: 10/05/23 09:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	124		24 - 146	10/09/23 14:28	10/11/23 11:54	1
2-Fluorobiphenyl	105		37 - 120	10/09/23 14:28	10/11/23 11:54	1
2-Fluorophenol (Surr)	55		10 - 120	10/09/23 14:28	10/11/23 11:54	1
Nitrobenzene-d5 (Surr)	86		26 - 120	10/09/23 14:28	10/11/23 11:54	1
Phenol-d5 (Surr)	36		11 - 120	10/09/23 14:28	10/11/23 11:54	1
p-Terphenyl-d14	99		64 - 127	10/09/23 14:28	10/11/23 11:54	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 19:47	1
1,2-Dichlorobenzene	ND		1.2	0.11	ug/L		10/09/23 14:29	10/12/23 19:47	1
1,3-Dichlorobenzene	ND		1.2	0.12	ug/L		10/09/23 14:29	10/12/23 19:47	1
1,4-Dichlorobenzene	ND		1.2	0.073	ug/L		10/09/23 14:29	10/12/23 19:47	1
1-Methylnaphthalene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,3,4,6-Tetrachlorophenol	ND		1.2	0.39	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,3,5,6-Tetrachlorophenol	ND		1.2	0.60	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4,5-Trichlorophenol	ND		1.2	0.30	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4,6-Trichlorophenol	ND		1.2	0.27	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4-Dichlorophenol	ND		0.23	0.061	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4-Dimethylphenol	ND		1.2	0.20	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4-Dinitrophenol	ND		12	1.8	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,4-Dinitrotoluene	ND		1.2	0.42	ug/L		10/09/23 14:29	10/12/23 19:47	1
2,6-Dinitrotoluene	ND		1.2	0.21	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Chloronaphthalene	ND		0.23	0.070	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Chlorophenol	ND		1.2	0.15	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Methylnaphthalene	0.12	J	0.23	0.074	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Methylphenol	ND		1.2	0.36	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Nitroaniline	ND		6.0	0.65	ug/L		10/09/23 14:29	10/12/23 19:47	1
2-Nitrophenol	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 19:47	1
3,3'-Dichlorobenzidine	ND		1.2	0.69	ug/L		10/09/23 14:29	10/12/23 19:47	1
3-Nitroaniline	ND		6.0	0.52	ug/L		10/09/23 14:29	10/12/23 19:47	1
4,6-Dinitro-2-methylphenol	ND		6.0	1.8	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Bromophenyl phenyl ether	ND		1.2	0.38	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Chloro-3-methylphenol	ND		1.2	0.33	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Chloroaniline	ND		1.2	0.45	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Chlorophenyl phenyl ether	ND		1.2	0.26	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Nitroaniline	ND		6.0	0.43	ug/L		10/09/23 14:29	10/12/23 19:47	1
4-Nitrophenol	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 19:47	1
Acenaphthene	0.077	J	0.23	0.077	ug/L		10/09/23 14:29	10/12/23 19:47	1
Acenaphthylene	ND		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 19:47	1
Anthracene	ND		0.23	0.058	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzo[a]anthracene	ND		0.23	0.089	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzo[a]pyrene	ND		0.23	0.063	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzo[b]fluoranthene	ND		0.23	0.12	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzo[g,h,i]perylene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzo[k]fluoranthene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzoic acid	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 19:47	1
Benzyl alcohol	ND		1.2	0.19	ug/L		10/09/23 14:29	10/12/23 19:47	1
Bis(2-chloroethoxy)methane	ND		1.2	0.18	ug/L		10/09/23 14:29	10/12/23 19:47	1
Bis(2-chloroethyl)ether	ND		0.23	0.048	ug/L		10/09/23 14:29	10/12/23 19:47	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-18D-100323

Lab Sample ID: 180-163450-7

Date Collected: 10/03/23 11:43

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	12		12	7.4	ug/L		10/09/23 14:29	10/12/23 19:47	1
bis(chloroisopropyl) ether	ND		0.23	0.069	ug/L		10/09/23 14:29	10/12/23 19:47	1
Butyl benzyl phthalate	ND		1.2	0.55	ug/L		10/09/23 14:29	10/12/23 19:47	1
Chrysene	ND		0.23	0.096	ug/L		10/09/23 14:29	10/12/23 19:47	1
Dibenz(a,h)anthracene	ND		0.23	0.086	ug/L		10/09/23 14:29	10/12/23 19:47	1
Dibenzofuran	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 19:47	1
Diethyl phthalate	ND		1.2	0.68	ug/L		10/09/23 14:29	10/12/23 19:47	1
Dimethyl phthalate	ND		1.2	0.24	ug/L		10/09/23 14:29	10/12/23 19:47	1
Di-n-butyl phthalate	5.8		1.2	0.88	ug/L		10/09/23 14:29	10/12/23 19:47	1
Di-n-octyl phthalate	ND		1.2	0.82	ug/L		10/09/23 14:29	10/12/23 19:47	1
Fluoranthene	ND		0.23	0.071	ug/L		10/09/23 14:29	10/12/23 19:47	1
Fluorene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:47	1
Hexachlorobenzene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 19:47	1
Hexachlorobutadiene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 19:47	1
Hexachlorocyclopentadiene	ND		1.2	0.59	ug/L		10/09/23 14:29	10/12/23 19:47	1
Hexachloroethane	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 19:47	1
Indeno[1,2,3-cd]pyrene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 19:47	1
Isophorone	ND		1.2	0.22	ug/L		10/09/23 14:29	10/12/23 19:47	1
Methylphenol, 3 & 4	ND		1.2	0.44	ug/L		10/09/23 14:29	10/12/23 19:47	1
Naphthalene	0.37		0.23	0.070	ug/L		10/09/23 14:29	10/12/23 19:47	1
Nitrobenzene	ND		2.4	0.60	ug/L		10/09/23 14:29	10/12/23 19:47	1
N-Nitrosodi-n-propylamine	ND		0.23	0.085	ug/L		10/09/23 14:29	10/12/23 19:47	1
N-Nitrosodiphenylamine	ND		1.2	0.14	ug/L		10/09/23 14:29	10/12/23 19:47	1
Phenanthrene	0.10 J		0.23	0.065	ug/L		10/09/23 14:29	10/12/23 19:47	1
Phenol	ND		1.2	0.58	ug/L		10/09/23 14:29	10/12/23 19:47	1
Pyrene	ND		0.23	0.064	ug/L		10/09/23 14:29	10/12/23 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		23 - 128				10/09/23 14:29	10/12/23 19:47	1
2-Fluorobiphenyl	67		20 - 105				10/09/23 14:29	10/12/23 19:47	1
2-Fluorophenol (Surr)	62		20 - 105				10/09/23 14:29	10/12/23 19:47	1
Nitrobenzene-d5 (Surr)	71		20 - 107				10/09/23 14:29	10/12/23 19:47	1
Phenol-d5 (Surr)	63		20 - 106				10/09/23 14:29	10/12/23 19:47	1
Terphenyl-d14 (Surr)	67		22 - 120				10/09/23 14:29	10/12/23 19:47	1

Client Sample ID: SUPE-M-99A-100323

Lab Sample ID: 180-163450-8

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 19:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 19:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 19:04	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 19:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 19:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 19:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 19:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 19:04	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 19:04	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99A-100323

Lab Sample ID: 180-163450-8

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 19:04	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 19:04	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 19:04	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 19:04	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 19:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		10/09/23 19:04	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/09/23 19:04	1
Dibromofluoromethane (Surr)	105		75 - 123		10/09/23 19:04	1
Toluene-d8 (Surr)	94		80 - 120		10/09/23 19:04	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	119		24 - 146	10/09/23 14:28	10/11/23 12:21	1
2-Fluorobiphenyl	105		37 - 120	10/09/23 14:28	10/11/23 12:21	1
2-Fluorophenol (Surr)	56		10 - 120	10/09/23 14:28	10/11/23 12:21	1
Nitrobenzene-d5 (Surr)	89		26 - 120	10/09/23 14:28	10/11/23 12:21	1
Phenol-d5 (Surr)	38		11 - 120	10/09/23 14:28	10/11/23 12:21	1
p-Terphenyl-d14	108		64 - 127	10/09/23 14:28	10/11/23 12:21	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 20:09	1
1,2-Dichlorobenzene	ND		1.2	0.11	ug/L		10/09/23 14:29	10/12/23 20:09	1
1,3-Dichlorobenzene	ND		1.2	0.12	ug/L		10/09/23 14:29	10/12/23 20:09	1
1,4-Dichlorobenzene	ND		1.2	0.073	ug/L		10/09/23 14:29	10/12/23 20:09	1
1-Methylnaphthalene	0.084	J	0.23	0.067	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,3,4,6-Tetrachlorophenol	ND		1.2	0.39	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,3,5,6-Tetrachlorophenol	ND		1.2	0.60	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4,5-Trichlorophenol	ND		1.2	0.30	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4,6-Trichlorophenol	ND		1.2	0.27	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4-Dichlorophenol	ND		0.23	0.061	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4-Dimethylphenol	ND		1.2	0.20	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4-Dinitrophenol	ND		12	1.8	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,4-Dinitrotoluene	ND		1.2	0.42	ug/L		10/09/23 14:29	10/12/23 20:09	1
2,6-Dinitrotoluene	ND		1.2	0.21	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Chloronaphthalene	ND		0.23	0.070	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Chlorophenol	ND		1.2	0.15	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Methylnaphthalene	0.22	J	0.23	0.074	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Methylphenol	ND		1.2	0.36	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Nitroaniline	ND		6.0	0.65	ug/L		10/09/23 14:29	10/12/23 20:09	1
2-Nitrophenol	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 20:09	1
3,3'-Dichlorobenzidine	ND		1.2	0.69	ug/L		10/09/23 14:29	10/12/23 20:09	1
3-Nitroaniline	ND		6.0	0.52	ug/L		10/09/23 14:29	10/12/23 20:09	1
4,6-Dinitro-2-methylphenol	ND		6.0	1.8	ug/L		10/09/23 14:29	10/12/23 20:09	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99A-100323

Lab Sample ID: 180-163450-8

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		1.2	0.38	ug/L		10/09/23 14:29	10/12/23 20:09	1
4-Chloro-3-methylphenol	ND		1.2	0.33	ug/L		10/09/23 14:29	10/12/23 20:09	1
4-Chloroaniline	ND		1.2	0.45	ug/L		10/09/23 14:29	10/12/23 20:09	1
4-Chlorophenyl phenyl ether	ND		1.2	0.26	ug/L		10/09/23 14:29	10/12/23 20:09	1
4-Nitroaniline	ND		6.0	0.43	ug/L		10/09/23 14:29	10/12/23 20:09	1
4-Nitrophenol	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 20:09	1
Acenaphthene	0.13	J	0.23	0.077	ug/L		10/09/23 14:29	10/12/23 20:09	1
Acenaphthylene	ND		0.23	0.077	ug/L		10/09/23 14:29	10/12/23 20:09	1
Anthracene	0.075	J	0.23	0.058	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzo[a]anthracene	ND		0.23	0.089	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzo[a]pyrene	ND		0.23	0.063	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzo[b]fluoranthene	ND		0.23	0.12	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzo[g,h,i]perylene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzo[k]fluoranthene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzoic acid	ND		6.0	1.1	ug/L		10/09/23 14:29	10/12/23 20:09	1
Benzyl alcohol	ND		1.2	0.19	ug/L		10/09/23 14:29	10/12/23 20:09	1
Bis(2-chloroethoxy)methane	ND		1.2	0.18	ug/L		10/09/23 14:29	10/12/23 20:09	1
Bis(2-chloroethyl)ether	ND		0.23	0.048	ug/L		10/09/23 14:29	10/12/23 20:09	1
Bis(2-ethylhexyl) phthalate	11	J	12	7.4	ug/L		10/09/23 14:29	10/12/23 20:09	1
bis(chloroisopropyl) ether	ND		0.23	0.069	ug/L		10/09/23 14:29	10/12/23 20:09	1
Butyl benzyl phthalate	0.60	J	1.2	0.55	ug/L		10/09/23 14:29	10/12/23 20:09	1
Chrysene	ND		0.23	0.096	ug/L		10/09/23 14:29	10/12/23 20:09	1
Dibenz(a,h)anthracene	ND		0.23	0.086	ug/L		10/09/23 14:29	10/12/23 20:09	1
Dibenzofuran	ND		1.2	0.23	ug/L		10/09/23 14:29	10/12/23 20:09	1
Diethyl phthalate	ND		1.2	0.68	ug/L		10/09/23 14:29	10/12/23 20:09	1
Dimethyl phthalate	ND		1.2	0.24	ug/L		10/09/23 14:29	10/12/23 20:09	1
Di-n-butyl phthalate	5.1		1.2	0.88	ug/L		10/09/23 14:29	10/12/23 20:09	1
Di-n-octyl phthalate	ND		1.2	0.82	ug/L		10/09/23 14:29	10/12/23 20:09	1
Fluoranthene	0.12	J	0.23	0.071	ug/L		10/09/23 14:29	10/12/23 20:09	1
Fluorene	0.090	J	0.23	0.082	ug/L		10/09/23 14:29	10/12/23 20:09	1
Hexachlorobenzene	ND		0.23	0.067	ug/L		10/09/23 14:29	10/12/23 20:09	1
Hexachlorobutadiene	ND		0.23	0.082	ug/L		10/09/23 14:29	10/12/23 20:09	1
Hexachlorocyclopentadiene	ND		1.2	0.59	ug/L		10/09/23 14:29	10/12/23 20:09	1
Hexachloroethane	ND		1.2	0.16	ug/L		10/09/23 14:29	10/12/23 20:09	1
Indeno[1,2,3-cd]pyrene	ND		0.23	0.10	ug/L		10/09/23 14:29	10/12/23 20:09	1
Isophorone	ND		1.2	0.22	ug/L		10/09/23 14:29	10/12/23 20:09	1
Methylphenol, 3 & 4	ND		1.2	0.44	ug/L		10/09/23 14:29	10/12/23 20:09	1
Nitrobenzene	ND		2.4	0.60	ug/L		10/09/23 14:29	10/12/23 20:09	1
N-Nitrosodi-n-propylamine	ND		0.23	0.085	ug/L		10/09/23 14:29	10/12/23 20:09	1
N-Nitrosodiphenylamine	ND		1.2	0.14	ug/L		10/09/23 14:29	10/12/23 20:09	1
Phenanthrene	0.18	J	0.23	0.065	ug/L		10/09/23 14:29	10/12/23 20:09	1
Phenol	ND		1.2	0.58	ug/L		10/09/23 14:29	10/12/23 20:09	1
Pyrene	0.076	J	0.23	0.064	ug/L		10/09/23 14:29	10/12/23 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		23 - 128	10/09/23 14:29	10/12/23 20:09	1
2-Fluorobiphenyl	73		20 - 105	10/09/23 14:29	10/12/23 20:09	1
2-Fluorophenol (Surr)	61		20 - 105	10/09/23 14:29	10/12/23 20:09	1
Nitrobenzene-d5 (Surr)	75		20 - 107	10/09/23 14:29	10/12/23 20:09	1
Phenol-d5 (Surr)	65		20 - 106	10/09/23 14:29	10/12/23 20:09	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99A-100323

Lab Sample ID: 180-163450-8

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	64		22 - 120	10/09/23 14:29	10/12/23 20:09	1

Client Sample ID: SUPE-TB-01-100323

Lab Sample ID: 180-163450-9

Date Collected: 10/03/23 12:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 19:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 19:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 19:28	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 19:28	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 19:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 19:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 19:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 19:28	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 19:28	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 19:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 19:28	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 19:28	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 19:28	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 19:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		10/09/23 19:28	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/09/23 19:28	1
Dibromofluoromethane (Surr)	105		75 - 123		10/09/23 19:28	1
Toluene-d8 (Surr)	92		80 - 120		10/09/23 19:28	1

Client Sample ID: SUPE-W-12CR-100323

Lab Sample ID: 180-163450-10

Date Collected: 10/03/23 13:32

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 19:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 19:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 19:53	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 19:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 19:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 19:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 19:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 19:53	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 19:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 19:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 19:53	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 19:53	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 19:53	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 19:53	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-12CR-100323

Lab Sample ID: 180-163450-10

Date Collected: 10/03/23 13:32

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120				10/09/23 19:53	10/09/23 19:53	1
4-Bromofluorobenzene (Surr)	92		73 - 120				10/09/23 19:53	10/09/23 19:53	1
Dibromofluoromethane (Surr)	103		75 - 123				10/09/23 19:53	10/09/23 19:53	1
Toluene-d8 (Surr)	92		80 - 120				10/09/23 19:53	10/09/23 19:53	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.96	0.33	ug/L		10/09/23 14:28	10/11/23 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	122		24 - 146				10/09/23 14:28	10/11/23 12:47	1
2-Fluorobiphenyl	102		37 - 120				10/09/23 14:28	10/11/23 12:47	1
2-Fluorophenol (Surr)	57		10 - 120				10/09/23 14:28	10/11/23 12:47	1
Nitrobenzene-d5 (Surr)	93		26 - 120				10/09/23 14:28	10/11/23 12:47	1
Phenol-d5 (Surr)	39		11 - 120				10/09/23 14:28	10/11/23 12:47	1
p-Terphenyl-d14	108		64 - 127				10/09/23 14:28	10/11/23 12:47	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	F1	1.1	0.15	ug/L		10/09/23 14:41	10/16/23 14:05	1
1,2-Dichlorobenzene	ND	F1	1.1	0.11	ug/L		10/09/23 14:41	10/16/23 14:05	1
1,3-Dichlorobenzene	ND	F1	1.1	0.11	ug/L		10/09/23 14:41	10/16/23 14:05	1
1,4-Dichlorobenzene	ND	F1	1.1	0.069	ug/L		10/09/23 14:41	10/16/23 14:05	1
1-Methylnaphthalene	ND	F1	0.22	0.064	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,3,4,6-Tetrachlorophenol	ND	F1	1.1	0.37	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.58	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4,5-Trichlorophenol	ND	F1	1.1	0.29	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4,6-Trichlorophenol	ND	F1	1.1	0.25	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4-Dichlorophenol	ND	F1	0.22	0.058	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4-Dimethylphenol	ND	F1	1.1	0.19	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4-Dinitrophenol	ND	F1	11	1.7	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,4-Dinitrotoluene	ND	F1	1.1	0.40	ug/L		10/09/23 14:41	10/16/23 14:05	1
2,6-Dinitrotoluene	ND	F1	1.1	0.20	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Chloronaphthalene	ND	F1	0.22	0.067	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Chlorophenol	ND	F1	1.1	0.15	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Methylnaphthalene	ND	F1	0.22	0.070	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Methylphenol	ND	F1	1.1	0.34	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Nitroaniline	ND	F1	5.7	0.62	ug/L		10/09/23 14:41	10/16/23 14:05	1
2-Nitrophenol	ND	F1	1.1	0.22	ug/L		10/09/23 14:41	10/16/23 14:05	1
3,3'-Dichlorobenzidine	ND	F1	1.1	0.66	ug/L		10/09/23 14:41	10/16/23 14:05	1
3-Nitroaniline	ND	F1	5.7	0.50	ug/L		10/09/23 14:41	10/16/23 14:05	1
4,6-Dinitro-2-methylphenol	ND		5.7	1.7	ug/L		10/09/23 14:41	10/16/23 14:05	1
4-Bromophenyl phenyl ether	ND	F1	1.1	0.36	ug/L		10/09/23 14:41	10/16/23 14:05	1
4-Chloro-3-methylphenol	ND	F1	1.1	0.32	ug/L		10/09/23 14:41	10/16/23 14:05	1
4-Chloroaniline	ND	F1	1.1	0.43	ug/L		10/09/23 14:41	10/16/23 14:05	1
4-Chlorophenyl phenyl ether	ND	F1	1.1	0.25	ug/L		10/09/23 14:41	10/16/23 14:05	1
4-Nitroaniline	ND	F1	5.7	0.41	ug/L		10/09/23 14:41	10/16/23 14:05	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-12CR-100323

Lab Sample ID: 180-163450-10

Date Collected: 10/03/23 13:32

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		5.7	1.1	ug/L		10/09/23 14:41	10/16/23 14:05	1
Acenaphthene	ND	F1	0.22	0.074	ug/L		10/09/23 14:41	10/16/23 14:05	1
Acenaphthylene	ND	F1	0.22	0.074	ug/L		10/09/23 14:41	10/16/23 14:05	1
Anthracene	ND	F1	0.22	0.056	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzo[a]anthracene	ND	F1	0.22	0.085	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzo[a]pyrene	ND	F1	0.22	0.060	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzo[b]fluoranthene	ND	F1	0.22	0.11	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzo[g,h,i]perylene	ND	F1	0.22	0.078	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzo[k]fluoranthene	ND	F1	0.22	0.10	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzoic acid	ND		5.7	1.0	ug/L		10/09/23 14:41	10/16/23 14:05	1
Benzyl alcohol	ND		1.1	0.19	ug/L		10/09/23 14:41	10/16/23 14:05	1
Bis(2-chloroethoxy)methane	ND	F1	1.1	0.17	ug/L		10/09/23 14:41	10/16/23 14:05	1
Bis(2-chloroethyl)ether	ND	F1	0.22	0.045	ug/L		10/09/23 14:41	10/16/23 14:05	1
Bis(2-ethylhexyl) phthalate	ND		11	7.1	ug/L		10/09/23 14:41	10/16/23 14:05	1
bis(chloroisopropyl) ether	ND		0.22	0.066	ug/L		10/09/23 14:41	10/16/23 14:05	1
Butyl benzyl phthalate	ND	F1	1.1	0.53	ug/L		10/09/23 14:41	10/16/23 14:05	1
Chrysene	ND	F1	0.22	0.092	ug/L		10/09/23 14:41	10/16/23 14:05	1
Dibenz(a,h)anthracene	ND	F1	0.22	0.082	ug/L		10/09/23 14:41	10/16/23 14:05	1
Dibenzofuran	ND	F1	1.1	0.22	ug/L		10/09/23 14:41	10/16/23 14:05	1
Diethyl phthalate	ND	F1	1.1	0.64	ug/L		10/09/23 14:41	10/16/23 14:05	1
Dimethyl phthalate	ND	F1	1.1	0.23	ug/L		10/09/23 14:41	10/16/23 14:05	1
Di-n-butyl phthalate	1.5	F1	1.1	0.84	ug/L		10/09/23 14:41	10/16/23 14:05	1
Di-n-octyl phthalate	ND	F1	1.1	0.78	ug/L		10/09/23 14:41	10/16/23 14:05	1
Fluoranthene	ND	F1	0.22	0.068	ug/L		10/09/23 14:41	10/16/23 14:05	1
Fluorene	ND	F1	0.22	0.078	ug/L		10/09/23 14:41	10/16/23 14:05	1
Hexachlorobenzene	ND	F1	0.22	0.064	ug/L		10/09/23 14:41	10/16/23 14:05	1
Hexachlorobutadiene	ND	F1	0.22	0.078	ug/L		10/09/23 14:41	10/16/23 14:05	1
Hexachlorocyclopentadiene	ND	F1	1.1	0.56	ug/L		10/09/23 14:41	10/16/23 14:05	1
Hexachloroethane	ND	F1	1.1	0.15	ug/L		10/09/23 14:41	10/16/23 14:05	1
Indeno[1,2,3-cd]pyrene	ND	F1	0.22	0.097	ug/L		10/09/23 14:41	10/16/23 14:05	1
Isophorone	ND	F1	1.1	0.21	ug/L		10/09/23 14:41	10/16/23 14:05	1
Methylphenol, 3 & 4	ND	F1	1.1	0.42	ug/L		10/09/23 14:41	10/16/23 14:05	1
Nitrobenzene	ND	F1	2.3	0.57	ug/L		10/09/23 14:41	10/16/23 14:05	1
N-Nitrosodi-n-propylamine	ND	F1	0.22	0.081	ug/L		10/09/23 14:41	10/16/23 14:05	1
N-Nitrosodiphenylamine	ND	F1	1.1	0.14	ug/L		10/09/23 14:41	10/16/23 14:05	1
Phenanthrene	0.092	J F1	0.22	0.063	ug/L		10/09/23 14:41	10/16/23 14:05	1
Phenol	ND	F1	1.1	0.55	ug/L		10/09/23 14:41	10/16/23 14:05	1
Pyrene	ND	F1	0.22	0.061	ug/L		10/09/23 14:41	10/16/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	70		23 - 128	10/09/23 14:41	10/16/23 14:05	1
2-Fluorobiphenyl	62		20 - 105	10/09/23 14:41	10/16/23 14:05	1
2-Fluorophenol (Surr)	49		20 - 105	10/09/23 14:41	10/16/23 14:05	1
Nitrobenzene-d5 (Surr)	58		20 - 107	10/09/23 14:41	10/16/23 14:05	1
Phenol-d5 (Surr)	55		20 - 106	10/09/23 14:41	10/16/23 14:05	1
Terphenyl-d14 (Surr)	58		22 - 120	10/09/23 14:41	10/16/23 14:05	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30A-100323

Lab Sample ID: 180-163450-11

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 20:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 20:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 20:18	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 20:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 20:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 20:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 20:18	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 20:18	1
Naphthalene	0.91	J	1.0	0.43	ug/L			10/09/23 20:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 20:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 20:18	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 20:18	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 20:18	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 20:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		10/09/23 20:18	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/09/23 20:18	1
Dibromofluoromethane (Surr)	110		75 - 123		10/09/23 20:18	1
Toluene-d8 (Surr)	96		80 - 120		10/09/23 20:18	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		24 - 146	10/09/23 14:28	10/11/23 13:14	1
2-Fluorobiphenyl	85		37 - 120	10/09/23 14:28	10/11/23 13:14	1
2-Fluorophenol (Surr)	45		10 - 120	10/09/23 14:28	10/11/23 13:14	1
Nitrobenzene-d5 (Surr)	72		26 - 120	10/09/23 14:28	10/11/23 13:14	1
Phenol-d5 (Surr)	30		11 - 120	10/09/23 14:28	10/11/23 13:14	1
p-Terphenyl-d14	89		64 - 127	10/09/23 14:28	10/11/23 13:14	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.2	0.16	ug/L		10/09/23 14:41	10/16/23 14:49	1
1,2-Dichlorobenzene	ND		1.2	0.11	ug/L		10/09/23 14:41	10/16/23 14:49	1
1,3-Dichlorobenzene	ND		1.2	0.12	ug/L		10/09/23 14:41	10/16/23 14:49	1
1,4-Dichlorobenzene	ND		1.2	0.073	ug/L		10/09/23 14:41	10/16/23 14:49	1
1-Methylnaphthalene	ND		0.23	0.067	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,3,4,6-Tetrachlorophenol	ND		1.2	0.39	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,3,5,6-Tetrachlorophenol	ND		1.2	0.60	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4,5-Trichlorophenol	ND		1.2	0.30	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4,6-Trichlorophenol	ND		1.2	0.27	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4-Dichlorophenol	ND		0.23	0.061	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4-Dimethylphenol	ND		1.2	0.20	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4-Dinitrophenol	ND		12	1.8	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,4-Dinitrotoluene	ND		1.2	0.42	ug/L		10/09/23 14:41	10/16/23 14:49	1
2,6-Dinitrotoluene	ND		1.2	0.21	ug/L		10/09/23 14:41	10/16/23 14:49	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30A-100323

Lab Sample ID: 180-163450-11

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		0.23	0.070	ug/L		10/09/23 14:41	10/16/23 14:49	1
2-Chlorophenol	ND		1.2	0.15	ug/L		10/09/23 14:41	10/16/23 14:49	1
2-Methylnaphthalene	0.074	J	0.23	0.074	ug/L		10/09/23 14:41	10/16/23 14:49	1
2-Methylphenol	ND		1.2	0.36	ug/L		10/09/23 14:41	10/16/23 14:49	1
2-Nitroaniline	ND		6.0	0.65	ug/L		10/09/23 14:41	10/16/23 14:49	1
2-Nitrophenol	ND		1.2	0.23	ug/L		10/09/23 14:41	10/16/23 14:49	1
3,3'-Dichlorobenzidine	ND		1.2	0.69	ug/L		10/09/23 14:41	10/16/23 14:49	1
3-Nitroaniline	ND		6.0	0.52	ug/L		10/09/23 14:41	10/16/23 14:49	1
4,6-Dinitro-2-methylphenol	ND		6.0	1.8	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Bromophenyl phenyl ether	ND		1.2	0.38	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Chloro-3-methylphenol	ND		1.2	0.33	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Chloroaniline	ND		1.2	0.45	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Chlorophenyl phenyl ether	ND		1.2	0.26	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Nitroaniline	ND		6.0	0.43	ug/L		10/09/23 14:41	10/16/23 14:49	1
4-Nitrophenol	ND		6.0	1.1	ug/L		10/09/23 14:41	10/16/23 14:49	1
Acenaphthene	ND		0.23	0.077	ug/L		10/09/23 14:41	10/16/23 14:49	1
Acenaphthylene	ND		0.23	0.077	ug/L		10/09/23 14:41	10/16/23 14:49	1
Anthracene	0.57		0.23	0.058	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzo[a]anthracene	ND		0.23	0.089	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzo[a]pyrene	ND		0.23	0.063	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzo[b]fluoranthene	ND		0.23	0.12	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzo[g,h,i]perylene	ND		0.23	0.082	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzo[k]fluoranthene	ND		0.23	0.10	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzoic acid	ND		6.0	1.1	ug/L		10/09/23 14:41	10/16/23 14:49	1
Benzyl alcohol	ND		1.2	0.19	ug/L		10/09/23 14:41	10/16/23 14:49	1
Bis(2-chloroethoxy)methane	ND		1.2	0.18	ug/L		10/09/23 14:41	10/16/23 14:49	1
Bis(2-chloroethyl)ether	ND		0.23	0.048	ug/L		10/09/23 14:41	10/16/23 14:49	1
Bis(2-ethylhexyl) phthalate	ND		12	7.4	ug/L		10/09/23 14:41	10/16/23 14:49	1
bis(chloroisopropyl) ether	ND		0.23	0.069	ug/L		10/09/23 14:41	10/16/23 14:49	1
Butyl benzyl phthalate	ND		1.2	0.55	ug/L		10/09/23 14:41	10/16/23 14:49	1
Chrysene	ND		0.23	0.096	ug/L		10/09/23 14:41	10/16/23 14:49	1
Dibenz(a,h)anthracene	ND		0.23	0.086	ug/L		10/09/23 14:41	10/16/23 14:49	1
Dibenzofuran	ND		1.2	0.23	ug/L		10/09/23 14:41	10/16/23 14:49	1
Diethyl phthalate	ND		1.2	0.68	ug/L		10/09/23 14:41	10/16/23 14:49	1
Dimethyl phthalate	ND		1.2	0.24	ug/L		10/09/23 14:41	10/16/23 14:49	1
Di-n-butyl phthalate	1.3		1.2	0.88	ug/L		10/09/23 14:41	10/16/23 14:49	1
Di-n-octyl phthalate	ND		1.2	0.82	ug/L		10/09/23 14:41	10/16/23 14:49	1
Fluoranthene	ND		0.23	0.071	ug/L		10/09/23 14:41	10/16/23 14:49	1
Fluorene	ND		0.23	0.082	ug/L		10/09/23 14:41	10/16/23 14:49	1
Hexachlorobenzene	ND		0.23	0.067	ug/L		10/09/23 14:41	10/16/23 14:49	1
Hexachlorobutadiene	ND		0.23	0.082	ug/L		10/09/23 14:41	10/16/23 14:49	1
Hexachlorocyclopentadiene	ND		1.2	0.59	ug/L		10/09/23 14:41	10/16/23 14:49	1
Hexachloroethane	ND		1.2	0.16	ug/L		10/09/23 14:41	10/16/23 14:49	1
Indeno[1,2,3-cd]pyrene	ND		0.23	0.10	ug/L		10/09/23 14:41	10/16/23 14:49	1
Isophorone	ND		1.2	0.22	ug/L		10/09/23 14:41	10/16/23 14:49	1
Methylphenol, 3 & 4	ND		1.2	0.44	ug/L		10/09/23 14:41	10/16/23 14:49	1
Nitrobenzene	ND		2.4	0.60	ug/L		10/09/23 14:41	10/16/23 14:49	1
N-Nitrosodi-n-propylamine	ND		0.23	0.085	ug/L		10/09/23 14:41	10/16/23 14:49	1
N-Nitrosodiphenylamine	ND		1.2	0.14	ug/L		10/09/23 14:41	10/16/23 14:49	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-30A-100323

Lab Sample ID: 180-163450-11

Date Collected: 10/03/23 15:20

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.093	J	0.23	0.065	ug/L		10/09/23 14:41	10/16/23 14:49	1
Phenol	ND		1.2	0.58	ug/L		10/09/23 14:41	10/16/23 14:49	1
Pyrene	ND		0.23	0.064	ug/L		10/09/23 14:41	10/16/23 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		23 - 128	10/09/23 14:41	10/16/23 14:49	1
2-Fluorobiphenyl	52		20 - 105	10/09/23 14:41	10/16/23 14:49	1
2-Fluorophenol (Surr)	42		20 - 105	10/09/23 14:41	10/16/23 14:49	1
Nitrobenzene-d5 (Surr)	50		20 - 107	10/09/23 14:41	10/16/23 14:49	1
Phenol-d5 (Surr)	47		20 - 106	10/09/23 14:41	10/16/23 14:49	1
Terphenyl-d14 (Surr)	46		22 - 120	10/09/23 14:41	10/16/23 14:49	1

Client Sample ID: SUPE-W-04AR2-100323

Lab Sample ID: 180-163450-12

Date Collected: 10/03/23 17:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 20:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 20:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 20:42	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 20:42	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 20:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 20:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 20:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 20:42	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 20:42	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 20:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 20:42	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 20:42	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 20:42	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 20:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		10/09/23 20:42	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/09/23 20:42	1
Dibromofluoromethane (Surr)	106		75 - 123		10/09/23 20:42	1
Toluene-d8 (Surr)	94		80 - 120		10/09/23 20:42	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.96	0.33	ug/L		10/09/23 14:28	10/11/23 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	106		24 - 146	10/09/23 14:28	10/11/23 13:41	1
2-Fluorobiphenyl	95		37 - 120	10/09/23 14:28	10/11/23 13:41	1
2-Fluorophenol (Surr)	48		10 - 120	10/09/23 14:28	10/11/23 13:41	1
Nitrobenzene-d5 (Surr)	75		26 - 120	10/09/23 14:28	10/11/23 13:41	1
Phenol-d5 (Surr)	34		11 - 120	10/09/23 14:28	10/11/23 13:41	1
p-Terphenyl-d14	97		64 - 127	10/09/23 14:28	10/11/23 13:41	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-04AR2-100323

Lab Sample ID: 180-163450-12

Date Collected: 10/03/23 17:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.1	0.15	ug/L		10/09/23 14:41	10/16/23 15:11	1
1,2-Dichlorobenzene	ND		1.1	0.11	ug/L		10/09/23 14:41	10/16/23 15:11	1
1,3-Dichlorobenzene	ND		1.1	0.11	ug/L		10/09/23 14:41	10/16/23 15:11	1
1,4-Dichlorobenzene	ND		1.1	0.069	ug/L		10/09/23 14:41	10/16/23 15:11	1
1-Methylnaphthalene	ND		0.22	0.064	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,3,4,6-Tetrachlorophenol	ND		1.1	0.37	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.58	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4,5-Trichlorophenol	ND		1.1	0.29	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4,6-Trichlorophenol	ND		1.1	0.25	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4-Dichlorophenol	ND		0.22	0.058	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4-Dimethylphenol	ND		1.1	0.19	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4-Dinitrophenol	ND		11	1.7	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,4-Dinitrotoluene	ND		1.1	0.40	ug/L		10/09/23 14:41	10/16/23 15:11	1
2,6-Dinitrotoluene	ND		1.1	0.20	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Chloronaphthalene	ND		0.22	0.067	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Chlorophenol	ND		1.1	0.15	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Methylnaphthalene	ND		0.22	0.070	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Methylphenol	ND		1.1	0.34	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Nitroaniline	ND		5.7	0.62	ug/L		10/09/23 14:41	10/16/23 15:11	1
2-Nitrophenol	ND		1.1	0.22	ug/L		10/09/23 14:41	10/16/23 15:11	1
3,3'-Dichlorobenzidine	ND		1.1	0.66	ug/L		10/09/23 14:41	10/16/23 15:11	1
3-Nitroaniline	ND		5.7	0.50	ug/L		10/09/23 14:41	10/16/23 15:11	1
4,6-Dinitro-2-methylphenol	ND		5.7	1.7	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Bromophenyl phenyl ether	ND		1.1	0.36	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Chloro-3-methylphenol	ND		1.1	0.32	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Chloroaniline	ND		1.1	0.43	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Chlorophenyl phenyl ether	ND		1.1	0.25	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Nitroaniline	ND		5.7	0.41	ug/L		10/09/23 14:41	10/16/23 15:11	1
4-Nitrophenol	ND		5.7	1.1	ug/L		10/09/23 14:41	10/16/23 15:11	1
Acenaphthene	0.092	J	0.22	0.074	ug/L		10/09/23 14:41	10/16/23 15:11	1
Acenaphthylene	ND		0.22	0.074	ug/L		10/09/23 14:41	10/16/23 15:11	1
Anthracene	1.1		0.22	0.056	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzo[a]anthracene	ND		0.22	0.085	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzo[a]pyrene	ND		0.22	0.060	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzo[b]fluoranthene	ND		0.22	0.11	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzo[g,h,i]perylene	ND		0.22	0.078	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzo[k]fluoranthene	ND		0.22	0.10	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzoic acid	ND		5.7	1.0	ug/L		10/09/23 14:41	10/16/23 15:11	1
Benzyl alcohol	ND		1.1	0.19	ug/L		10/09/23 14:41	10/16/23 15:11	1
Bis(2-chloroethoxy)methane	ND		1.1	0.17	ug/L		10/09/23 14:41	10/16/23 15:11	1
Bis(2-chloroethyl)ether	ND		0.22	0.045	ug/L		10/09/23 14:41	10/16/23 15:11	1
Bis(2-ethylhexyl) phthalate	ND		11	7.1	ug/L		10/09/23 14:41	10/16/23 15:11	1
bis(chloroisopropyl) ether	ND		0.22	0.066	ug/L		10/09/23 14:41	10/16/23 15:11	1
Butyl benzyl phthalate	ND		1.1	0.53	ug/L		10/09/23 14:41	10/16/23 15:11	1
Chrysene	0.10	J	0.22	0.092	ug/L		10/09/23 14:41	10/16/23 15:11	1
Dibenz(a,h)anthracene	ND		0.22	0.082	ug/L		10/09/23 14:41	10/16/23 15:11	1
Dibenzofuran	ND		1.1	0.22	ug/L		10/09/23 14:41	10/16/23 15:11	1
Diethyl phthalate	ND		1.1	0.64	ug/L		10/09/23 14:41	10/16/23 15:11	1
Dimethyl phthalate	ND		1.1	0.23	ug/L		10/09/23 14:41	10/16/23 15:11	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-04AR2-100323

Lab Sample ID: 180-163450-12

Date Collected: 10/03/23 17:00

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.91	J	1.1	0.84	ug/L		10/09/23 14:41	10/16/23 15:11	1
Di-n-octyl phthalate	ND		1.1	0.78	ug/L		10/09/23 14:41	10/16/23 15:11	1
Fluoranthene	0.15	J	0.22	0.068	ug/L		10/09/23 14:41	10/16/23 15:11	1
Fluorene	0.088	J	0.22	0.078	ug/L		10/09/23 14:41	10/16/23 15:11	1
Hexachlorobenzene	ND		0.22	0.064	ug/L		10/09/23 14:41	10/16/23 15:11	1
Hexachlorobutadiene	ND		0.22	0.078	ug/L		10/09/23 14:41	10/16/23 15:11	1
Hexachlorocyclopentadiene	ND		1.1	0.56	ug/L		10/09/23 14:41	10/16/23 15:11	1
Hexachloroethane	ND		1.1	0.15	ug/L		10/09/23 14:41	10/16/23 15:11	1
Indeno[1,2,3-cd]pyrene	ND		0.22	0.097	ug/L		10/09/23 14:41	10/16/23 15:11	1
Isophorone	ND		1.1	0.21	ug/L		10/09/23 14:41	10/16/23 15:11	1
Methylphenol, 3 & 4	ND		1.1	0.42	ug/L		10/09/23 14:41	10/16/23 15:11	1
Nitrobenzene	ND		2.3	0.57	ug/L		10/09/23 14:41	10/16/23 15:11	1
N-Nitrosodi-n-propylamine	ND		0.22	0.081	ug/L		10/09/23 14:41	10/16/23 15:11	1
N-Nitrosodiphenylamine	ND		1.1	0.14	ug/L		10/09/23 14:41	10/16/23 15:11	1
Phenanthrene	0.17	J	0.22	0.063	ug/L		10/09/23 14:41	10/16/23 15:11	1
Phenol	ND		1.1	0.55	ug/L		10/09/23 14:41	10/16/23 15:11	1
Pyrene	0.079	J	0.22	0.061	ug/L		10/09/23 14:41	10/16/23 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		23 - 128	10/09/23 14:41	10/16/23 15:11	1
2-Fluorobiphenyl	54		20 - 105	10/09/23 14:41	10/16/23 15:11	1
2-Fluorophenol (Surr)	44		20 - 105	10/09/23 14:41	10/16/23 15:11	1
Nitrobenzene-d5 (Surr)	50		20 - 107	10/09/23 14:41	10/16/23 15:11	1
Phenol-d5 (Surr)	48		20 - 106	10/09/23 14:41	10/16/23 15:11	1
Terphenyl-d14 (Surr)	47		22 - 120	10/09/23 14:41	10/16/23 15:11	1

Client Sample ID: SUPE-W-10AR2-100423

Lab Sample ID: 180-163450-13

Date Collected: 10/04/23 09:44

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L		10/09/23 21:06	10/09/23 21:06	1
1,2,4-Trimethylbenzene	10		1.0	0.75	ug/L		10/09/23 21:06	10/09/23 21:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L		10/09/23 21:06	10/09/23 21:06	1
Benzene	22		1.0	0.41	ug/L		10/09/23 21:06	10/09/23 21:06	1
Chloromethane	ND		1.0	0.35	ug/L		10/09/23 21:06	10/09/23 21:06	1
Ethylbenzene	45		1.0	0.74	ug/L		10/09/23 21:06	10/09/23 21:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L		10/09/23 21:06	10/09/23 21:06	1
m-Xylene & p-Xylene	3.0		2.0	0.66	ug/L		10/09/23 21:06	10/09/23 21:06	1
Naphthalene	1.6		1.0	0.43	ug/L		10/09/23 21:06	10/09/23 21:06	1
n-Butylbenzene	ND		1.0	0.64	ug/L		10/09/23 21:06	10/09/23 21:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L		10/09/23 21:06	10/09/23 21:06	1
o-Xylene	16		1.0	0.76	ug/L		10/09/23 21:06	10/09/23 21:06	1
Styrene	ND		1.0	0.73	ug/L		10/09/23 21:06	10/09/23 21:06	1
Toluene	2.2		1.0	0.51	ug/L		10/09/23 21:06	10/09/23 21:06	1
Xylenes, Total	19		2.0	0.66	ug/L		10/09/23 21:06	10/09/23 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120	10/09/23 21:06	10/09/23 21:06	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-10AR2-100423

Lab Sample ID: 180-163450-13

Date Collected: 10/04/23 09:44

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		73 - 120		10/09/23 21:06	1
Dibromofluoromethane (Surr)	105		75 - 123		10/09/23 21:06	1
Toluene-d8 (Surr)	93		80 - 120		10/09/23 21:06	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	114		24 - 146	10/09/23 14:28	10/11/23 18:16	1
2-Fluorobiphenyl	88		37 - 120	10/09/23 14:28	10/11/23 18:16	1
2-Fluorophenol (Surr)	40		10 - 120	10/09/23 14:28	10/11/23 18:16	1
Nitrobenzene-d5 (Surr)	70		26 - 120	10/09/23 14:28	10/11/23 18:16	1
Phenol-d5 (Surr)	31		11 - 120	10/09/23 14:28	10/11/23 18:16	1
p-Terphenyl-d14	88		64 - 127	10/09/23 14:28	10/11/23 18:16	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.81	0.11	ug/L		10/10/23 11:14	10/16/23 21:20	1
1,2-Dichlorobenzene	ND		0.81	0.077	ug/L		10/10/23 11:14	10/16/23 21:20	1
1,3-Dichlorobenzene	ND		0.81	0.080	ug/L		10/10/23 11:14	10/16/23 21:20	1
1,4-Dichlorobenzene	ND		0.81	0.049	ug/L		10/10/23 11:14	10/16/23 21:20	1
1-Methylnaphthalene	0.99		0.15	0.045	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,3,4,6-Tetrachlorophenol	ND		0.81	0.26	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,3,5,6-Tetrachlorophenol	ND		0.81	0.41	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4,5-Trichlorophenol	ND		0.81	0.20	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4,6-Trichlorophenol	ND		0.81	0.18	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4-Dichlorophenol	ND		0.15	0.041	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4-Dimethylphenol	ND		0.81	0.13	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4-Dinitrophenol	ND		8.1	1.2	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,4-Dinitrotoluene	ND		0.81	0.28	ug/L		10/10/23 11:14	10/16/23 21:20	1
2,6-Dinitrotoluene	ND		0.81	0.14	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Chloronaphthalene	ND		0.15	0.048	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Chlorophenol	ND		0.81	0.10	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Methylnaphthalene	ND		0.15	0.050	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Methylphenol	ND		0.81	0.24	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Nitroaniline	ND		4.0	0.44	ug/L		10/10/23 11:14	10/16/23 21:20	1
2-Nitrophenol	ND		0.81	0.16	ug/L		10/10/23 11:14	10/16/23 21:20	1
3,3'-Dichlorobenzidine	ND		0.81	0.47	ug/L		10/10/23 11:14	10/16/23 21:20	1
3-Nitroaniline	ND		4.0	0.35	ug/L		10/10/23 11:14	10/16/23 21:20	1
4,6-Dinitro-2-methylphenol	ND		4.0	1.2	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Bromophenyl phenyl ether	ND		0.81	0.26	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Chloro-3-methylphenol	ND		0.81	0.22	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Chloroaniline	ND		0.81	0.30	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Chlorophenyl phenyl ether	ND		0.81	0.18	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Nitroaniline	ND		4.0	0.29	ug/L		10/10/23 11:14	10/16/23 21:20	1
4-Nitrophenol	ND		4.0	0.76	ug/L		10/10/23 11:14	10/16/23 21:20	1
Acenaphthene	11		0.15	0.052	ug/L		10/10/23 11:14	10/16/23 21:20	1
Acenaphthylene	0.46		0.15	0.052	ug/L		10/10/23 11:14	10/16/23 21:20	1
Anthracene	0.081 J		0.15	0.040	ug/L		10/10/23 11:14	10/16/23 21:20	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-W-10AR2-100423

Lab Sample ID: 180-163450-13

Date Collected: 10/04/23 09:44

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		0.15	0.060	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzo[a]pyrene	ND		0.15	0.043	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzo[b]fluoranthene	ND		0.15	0.078	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzo[g,h,i]perylene	ND		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzo[k]fluoranthene	ND		0.15	0.071	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzoic acid	ND		4.0	0.74	ug/L		10/10/23 11:14	10/16/23 21:20	1
Benzyl alcohol	ND		0.81	0.13	ug/L		10/10/23 11:14	10/16/23 21:20	1
Bis(2-chloroethoxy)methane	ND		0.81	0.12	ug/L		10/10/23 11:14	10/16/23 21:20	1
Bis(2-chloroethyl)ether	ND		0.15	0.032	ug/L		10/10/23 11:14	10/16/23 21:20	1
Bis(2-ethylhexyl) phthalate	ND		8.1	5.0	ug/L		10/10/23 11:14	10/16/23 21:20	1
bis(chloroisopropyl) ether	ND		0.15	0.047	ug/L		10/10/23 11:14	10/16/23 21:20	1
Butyl benzyl phthalate	ND		0.81	0.37	ug/L		10/10/23 11:14	10/16/23 21:20	1
Chrysene	ND		0.15	0.065	ug/L		10/10/23 11:14	10/16/23 21:20	1
Dibenz(a,h)anthracene	ND		0.15	0.058	ug/L		10/10/23 11:14	10/16/23 21:20	1
Dibenzofuran	1.4		0.81	0.15	ug/L		10/10/23 11:14	10/16/23 21:20	1
Diethyl phthalate	ND		0.81	0.46	ug/L		10/10/23 11:14	10/16/23 21:20	1
Dimethyl phthalate	ND		0.81	0.16	ug/L		10/10/23 11:14	10/16/23 21:20	1
Di-n-butyl phthalate	0.62	J	0.81	0.60	ug/L		10/10/23 11:14	10/16/23 21:20	1
Di-n-octyl phthalate	ND		0.81	0.55	ug/L		10/10/23 11:14	10/16/23 21:20	1
Fluoranthene	0.40		0.15	0.048	ug/L		10/10/23 11:14	10/16/23 21:20	1
Fluorene	2.2		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 21:20	1
Hexachlorobenzene	ND		0.15	0.045	ug/L		10/10/23 11:14	10/16/23 21:20	1
Hexachlorobutadiene	ND		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 21:20	1
Hexachlorocyclopentadiene	ND		0.81	0.40	ug/L		10/10/23 11:14	10/16/23 21:20	1
Hexachloroethane	ND		0.81	0.11	ug/L		10/10/23 11:14	10/16/23 21:20	1
Indeno[1,2,3-cd]pyrene	ND		0.15	0.069	ug/L		10/10/23 11:14	10/16/23 21:20	1
Isophorone	ND		0.81	0.15	ug/L		10/10/23 11:14	10/16/23 21:20	1
Methylphenol, 3 & 4	ND		0.81	0.30	ug/L		10/10/23 11:14	10/16/23 21:20	1
Nitrobenzene	ND		1.6	0.40	ug/L		10/10/23 11:14	10/16/23 21:20	1
N-Nitrosodi-n-propylamine	ND		0.15	0.057	ug/L		10/10/23 11:14	10/16/23 21:20	1
N-Nitrosodiphenylamine	ND		0.81	0.096	ug/L		10/10/23 11:14	10/16/23 21:20	1
Phenanthrene	0.054	J	0.15	0.044	ug/L		10/10/23 11:14	10/16/23 21:20	1
Phenol	ND		0.81	0.39	ug/L		10/10/23 11:14	10/16/23 21:20	1
Pyrene	0.28		0.15	0.044	ug/L		10/10/23 11:14	10/16/23 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	29		23 - 128	10/10/23 11:14	10/16/23 21:20	1
2-Fluorobiphenyl	34		20 - 105	10/10/23 11:14	10/16/23 21:20	1
2-Fluorophenol (Surr)	29		20 - 105	10/10/23 11:14	10/16/23 21:20	1
Nitrobenzene-d5 (Surr)	30		20 - 107	10/10/23 11:14	10/16/23 21:20	1
Phenol-d5 (Surr)	28		20 - 106	10/10/23 11:14	10/16/23 21:20	1
Terphenyl-d14 (Surr)	31		22 - 120	10/10/23 11:14	10/16/23 21:20	1

Client Sample ID: SUPE-EB-2-100423

Lab Sample ID: 180-163450-14

Date Collected: 10/04/23 09:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 21:31	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-2-100423

Lab Sample ID: 180-163450-14

Date Collected: 10/04/23 09:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 21:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 21:31	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 21:31	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 21:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 21:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 21:31	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 21:31	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 21:31	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 21:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 21:31	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 21:31	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 21:31	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 21:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/09/23 21:31	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/09/23 21:31	1
Dibromofluoromethane (Surr)	102		75 - 123		10/09/23 21:31	1
Toluene-d8 (Surr)	90		80 - 120		10/09/23 21:31	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		24 - 146	10/09/23 14:28	10/11/23 18:43	1
2-Fluorobiphenyl	94		37 - 120	10/09/23 14:28	10/11/23 18:43	1
2-Fluorophenol (Surr)	47		10 - 120	10/09/23 14:28	10/11/23 18:43	1
Nitrobenzene-d5 (Surr)	78		26 - 120	10/09/23 14:28	10/11/23 18:43	1
Phenol-d5 (Surr)	34		11 - 120	10/09/23 14:28	10/11/23 18:43	1
p-Terphenyl-d14	101		64 - 127	10/09/23 14:28	10/11/23 18:43	1

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.3	0.17	ug/L		10/10/23 11:14	10/16/23 18:29	1
1,2-Dichlorobenzene	ND		1.3	0.13	ug/L		10/10/23 11:14	10/16/23 18:29	1
1,3-Dichlorobenzene	ND		1.3	0.13	ug/L		10/10/23 11:14	10/16/23 18:29	1
1,4-Dichlorobenzene	ND		1.3	0.080	ug/L		10/10/23 11:14	10/16/23 18:29	1
1-Methylnaphthalene	ND		0.25	0.074	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,3,4,6-Tetrachlorophenol	ND		1.3	0.43	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,3,5,6-Tetrachlorophenol	ND		1.3	0.67	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4,5-Trichlorophenol	ND		1.3	0.33	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4,6-Trichlorophenol	ND		1.3	0.29	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4-Dichlorophenol	ND		0.25	0.067	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4-Dimethylphenol	ND		1.3	0.22	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4-Dinitrophenol	ND		13	2.0	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,4-Dinitrotoluene	ND		1.3	0.46	ug/L		10/10/23 11:14	10/16/23 18:29	1
2,6-Dinitrotoluene	ND		1.3	0.23	ug/L		10/10/23 11:14	10/16/23 18:29	1
2-Chloronaphthalene	ND		0.25	0.078	ug/L		10/10/23 11:14	10/16/23 18:29	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-2-100423

Lab Sample ID: 180-163450-14

Date Collected: 10/04/23 09:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		1.3	0.17	ug/L		10/10/23 11:14	10/16/23 18:29	1
2-Methylnaphthalene	ND		0.25	0.082	ug/L		10/10/23 11:14	10/16/23 18:29	1
2-Methylphenol	ND		1.3	0.39	ug/L		10/10/23 11:14	10/16/23 18:29	1
2-Nitroaniline	ND		6.6	0.72	ug/L		10/10/23 11:14	10/16/23 18:29	1
2-Nitrophenol	ND		1.3	0.25	ug/L		10/10/23 11:14	10/16/23 18:29	1
3,3'-Dichlorobenzidine	ND		1.3	0.77	ug/L		10/10/23 11:14	10/16/23 18:29	1
3-Nitroaniline	ND		6.6	0.58	ug/L		10/10/23 11:14	10/16/23 18:29	1
4,6-Dinitro-2-methylphenol	ND		6.6	1.9	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Bromophenyl phenyl ether	ND		1.3	0.42	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Chloro-3-methylphenol	ND		1.3	0.37	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Chloroaniline	ND		1.3	0.49	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Chlorophenyl phenyl ether	ND		1.3	0.29	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Nitroaniline	ND		6.6	0.48	ug/L		10/10/23 11:14	10/16/23 18:29	1
4-Nitrophenol	ND		6.6	1.2	ug/L		10/10/23 11:14	10/16/23 18:29	1
Acenaphthene	ND		0.25	0.086	ug/L		10/10/23 11:14	10/16/23 18:29	1
Acenaphthylene	ND		0.25	0.086	ug/L		10/10/23 11:14	10/16/23 18:29	1
Anthracene	ND		0.25	0.064	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzo[a]anthracene	ND		0.25	0.099	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzo[a]pyrene	ND		0.25	0.070	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzo[b]fluoranthene	ND		0.25	0.13	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzo[g,h,i]perylene	ND		0.25	0.091	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzo[k]fluoranthene	ND		0.25	0.12	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzoic acid	ND		6.6	1.2	ug/L		10/10/23 11:14	10/16/23 18:29	1
Benzyl alcohol	ND		1.3	0.21	ug/L		10/10/23 11:14	10/16/23 18:29	1
Bis(2-chloroethoxy)methane	ND		1.3	0.20	ug/L		10/10/23 11:14	10/16/23 18:29	1
Bis(2-chloroethyl)ether	ND		0.25	0.053	ug/L		10/10/23 11:14	10/16/23 18:29	1
Bis(2-ethylhexyl) phthalate	ND		13	8.2	ug/L		10/10/23 11:14	10/16/23 18:29	1
bis(chloroisopropyl) ether	ND		0.25	0.076	ug/L		10/10/23 11:14	10/16/23 18:29	1
Butyl benzyl phthalate	ND		1.3	0.61	ug/L		10/10/23 11:14	10/16/23 18:29	1
Chrysene	ND		0.25	0.11	ug/L		10/10/23 11:14	10/16/23 18:29	1
Dibenz(a,h)anthracene	ND		0.25	0.095	ug/L		10/10/23 11:14	10/16/23 18:29	1
Dibenzofuran	ND		1.3	0.25	ug/L		10/10/23 11:14	10/16/23 18:29	1
Diethyl phthalate	ND		1.3	0.75	ug/L		10/10/23 11:14	10/16/23 18:29	1
Dimethyl phthalate	ND		1.3	0.26	ug/L		10/10/23 11:14	10/16/23 18:29	1
Di-n-butyl phthalate	1.8		1.3	0.98	ug/L		10/10/23 11:14	10/16/23 18:29	1
Di-n-octyl phthalate	ND		1.3	0.90	ug/L		10/10/23 11:14	10/16/23 18:29	1
Fluoranthene	ND		0.25	0.079	ug/L		10/10/23 11:14	10/16/23 18:29	1
Fluorene	ND		0.25	0.091	ug/L		10/10/23 11:14	10/16/23 18:29	1
Hexachlorobenzene	ND		0.25	0.074	ug/L		10/10/23 11:14	10/16/23 18:29	1
Hexachlorobutadiene	ND		0.25	0.091	ug/L		10/10/23 11:14	10/16/23 18:29	1
Hexachlorocyclopentadiene	ND		1.3	0.65	ug/L		10/10/23 11:14	10/16/23 18:29	1
Hexachloroethane	ND		1.3	0.18	ug/L		10/10/23 11:14	10/16/23 18:29	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.11	ug/L		10/10/23 11:14	10/16/23 18:29	1
Isophorone	ND		1.3	0.25	ug/L		10/10/23 11:14	10/16/23 18:29	1
Methylphenol, 3 & 4	ND		1.3	0.49	ug/L		10/10/23 11:14	10/16/23 18:29	1
Nitrobenzene	ND		2.6	0.66	ug/L		10/10/23 11:14	10/16/23 18:29	1
N-Nitrosodi-n-propylamine	ND		0.25	0.093	ug/L		10/10/23 11:14	10/16/23 18:29	1
N-Nitrosodiphenylamine	ND		1.3	0.16	ug/L		10/10/23 11:14	10/16/23 18:29	1
Phenanthrene	0.097	J	0.25	0.072	ug/L		10/10/23 11:14	10/16/23 18:29	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-EB-2-100423

Lab Sample ID: 180-163450-14

Date Collected: 10/04/23 09:54

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		1.3	0.64	ug/L		10/10/23 11:14	10/16/23 18:29	1
Pyrene	ND		0.25	0.071	ug/L		10/10/23 11:14	10/16/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		23 - 128				10/10/23 11:14	10/16/23 18:29	1
2-Fluorobiphenyl	47		20 - 105				10/10/23 11:14	10/16/23 18:29	1
2-Fluorophenol (Surr)	21		20 - 105				10/10/23 11:14	10/16/23 18:29	1
Nitrobenzene-d5 (Surr)	25		20 - 107				10/10/23 11:14	10/16/23 18:29	1
Phenol-d5 (Surr)	29		20 - 106				10/10/23 11:14	10/16/23 18:29	1
Terphenyl-d14 (Surr)	57		22 - 120				10/10/23 11:14	10/16/23 18:29	1

Client Sample ID: SUPE-M-99B-100423

Lab Sample ID: 180-163450-15

Date Collected: 10/04/23 10:39

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 08:11	1
1,2,4-Trimethylbenzene	11		1.0	0.75	ug/L			10/12/23 08:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/12/23 08:11	1
Benzene	20		1.0	0.41	ug/L			10/12/23 08:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 08:11	1
Ethylbenzene	45		1.0	0.74	ug/L			10/12/23 08:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 08:11	1
m-Xylene & p-Xylene	3.0		2.0	0.66	ug/L			10/12/23 08:11	1
Naphthalene	1.5		1.0	0.43	ug/L			10/12/23 08:11	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/12/23 08:11	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/12/23 08:11	1
o-Xylene	15		1.0	0.76	ug/L			10/12/23 08:11	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 08:11	1
Toluene	2.1		1.0	0.51	ug/L			10/12/23 08:11	1
Xylenes, Total	18		2.0	0.66	ug/L			10/12/23 08:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120					10/12/23 08:11	1
4-Bromofluorobenzene (Surr)	97		73 - 120					10/12/23 08:11	1
Dibromofluoromethane (Surr)	97		75 - 123					10/12/23 08:11	1
Toluene-d8 (Surr)	98		80 - 120					10/12/23 08:11	1

Method: SW846 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		0.95	0.32	ug/L		10/09/23 14:28	10/11/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	107		24 - 146				10/09/23 14:28	10/11/23 19:09	1
2-Fluorobiphenyl	82		37 - 120				10/09/23 14:28	10/11/23 19:09	1
2-Fluorophenol (Surr)	40		10 - 120				10/09/23 14:28	10/11/23 19:09	1
Nitrobenzene-d5 (Surr)	66		26 - 120				10/09/23 14:28	10/11/23 19:09	1
Phenol-d5 (Surr)	31		11 - 120				10/09/23 14:28	10/11/23 19:09	1
p-Terphenyl-d14	83		64 - 127				10/09/23 14:28	10/11/23 19:09	1

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Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99B-100423

Lab Sample ID: 180-163450-15

Date Collected: 10/04/23 10:39

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.81	0.11	ug/L		10/10/23 11:14	10/16/23 17:54	1
1,2-Dichlorobenzene	ND		0.81	0.077	ug/L		10/10/23 11:14	10/16/23 17:54	1
1,3-Dichlorobenzene	ND		0.81	0.080	ug/L		10/10/23 11:14	10/16/23 17:54	1
1,4-Dichlorobenzene	ND		0.81	0.049	ug/L		10/10/23 11:14	10/16/23 17:54	1
1-Methylnaphthalene	2.3		0.15	0.045	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,3,4,6-Tetrachlorophenol	ND		0.81	0.26	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,3,5,6-Tetrachlorophenol	ND		0.81	0.41	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4,5-Trichlorophenol	ND		0.81	0.20	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4,6-Trichlorophenol	ND		0.81	0.18	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4-Dichlorophenol	ND		0.15	0.041	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4-Dimethylphenol	ND		0.81	0.13	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4-Dinitrophenol	ND		8.1	1.2	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,4-Dinitrotoluene	ND		0.81	0.28	ug/L		10/10/23 11:14	10/16/23 17:54	1
2,6-Dinitrotoluene	ND		0.81	0.14	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Chloronaphthalene	ND		0.15	0.048	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Chlorophenol	ND		0.81	0.10	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Methylnaphthalene	ND		0.15	0.050	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Methylphenol	ND		0.81	0.24	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Nitroaniline	ND		4.0	0.44	ug/L		10/10/23 11:14	10/16/23 17:54	1
2-Nitrophenol	ND		0.81	0.16	ug/L		10/10/23 11:14	10/16/23 17:54	1
3,3'-Dichlorobenzidine	ND		0.81	0.47	ug/L		10/10/23 11:14	10/16/23 17:54	1
3-Nitroaniline	ND		4.0	0.35	ug/L		10/10/23 11:14	10/16/23 17:54	1
4,6-Dinitro-2-methylphenol	ND		4.0	1.2	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Bromophenyl phenyl ether	ND		0.81	0.26	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Chloro-3-methylphenol	ND		0.81	0.22	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Chloroaniline	ND		0.81	0.30	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Chlorophenyl phenyl ether	ND		0.81	0.18	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Nitroaniline	ND		4.0	0.29	ug/L		10/10/23 11:14	10/16/23 17:54	1
4-Nitrophenol	ND		4.0	0.76	ug/L		10/10/23 11:14	10/16/23 17:54	1
Acenaphthene	27		0.15	0.052	ug/L		10/10/23 11:14	10/16/23 17:54	1
Acenaphthylene	0.87		0.15	0.052	ug/L		10/10/23 11:14	10/16/23 17:54	1
Anthracene	0.30		0.15	0.040	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzo[a]anthracene	0.061 J		0.15	0.060	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzo[a]pyrene	ND		0.15	0.043	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzo[b]fluoranthene	ND		0.15	0.078	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzo[g,h,i]perylene	ND		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzo[k]fluoranthene	ND		0.15	0.071	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzoic acid	ND		4.0	0.74	ug/L		10/10/23 11:14	10/16/23 17:54	1
Benzyl alcohol	ND		0.81	0.13	ug/L		10/10/23 11:14	10/16/23 17:54	1
Bis(2-chloroethoxy)methane	ND		0.81	0.12	ug/L		10/10/23 11:14	10/16/23 17:54	1
Bis(2-chloroethyl)ether	ND		0.15	0.032	ug/L		10/10/23 11:14	10/16/23 17:54	1
Bis(2-ethylhexyl) phthalate	ND		8.1	5.0	ug/L		10/10/23 11:14	10/16/23 17:54	1
bis(chloroisopropyl) ether	ND		0.15	0.047	ug/L		10/10/23 11:14	10/16/23 17:54	1
Butyl benzyl phthalate	ND		0.81	0.37	ug/L		10/10/23 11:14	10/16/23 17:54	1
Chrysene	0.088 J		0.15	0.065	ug/L		10/10/23 11:14	10/16/23 17:54	1
Dibenz(a,h)anthracene	ND		0.15	0.058	ug/L		10/10/23 11:14	10/16/23 17:54	1
Dibenzofuran	3.2		0.81	0.15	ug/L		10/10/23 11:14	10/16/23 17:54	1
Diethyl phthalate	ND		0.81	0.46	ug/L		10/10/23 11:14	10/16/23 17:54	1
Dimethyl phthalate	ND		0.81	0.16	ug/L		10/10/23 11:14	10/16/23 17:54	1

Eurofins Pittsburgh

Client Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Client Sample ID: SUPE-M-99B-100423

Lab Sample ID: 180-163450-15

Date Collected: 10/04/23 10:39

Matrix: Water

Date Received: 10/05/23 09:10

Method: SW846 EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	1.4		0.81	0.60	ug/L		10/10/23 11:14	10/16/23 17:54	1
Di-n-octyl phthalate	ND		0.81	0.55	ug/L		10/10/23 11:14	10/16/23 17:54	1
Fluoranthene	0.91		0.15	0.048	ug/L		10/10/23 11:14	10/16/23 17:54	1
Fluorene	5.3		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 17:54	1
Hexachlorobenzene	ND		0.15	0.045	ug/L		10/10/23 11:14	10/16/23 17:54	1
Hexachlorobutadiene	ND		0.15	0.056	ug/L		10/10/23 11:14	10/16/23 17:54	1
Hexachlorocyclopentadiene	ND		0.81	0.40	ug/L		10/10/23 11:14	10/16/23 17:54	1
Hexachloroethane	ND		0.81	0.11	ug/L		10/10/23 11:14	10/16/23 17:54	1
Indeno[1,2,3-cd]pyrene	ND		0.15	0.069	ug/L		10/10/23 11:14	10/16/23 17:54	1
Isophorone	ND		0.81	0.15	ug/L		10/10/23 11:14	10/16/23 17:54	1
Methylphenol, 3 & 4	ND		0.81	0.30	ug/L		10/10/23 11:14	10/16/23 17:54	1
Nitrobenzene	ND		1.6	0.40	ug/L		10/10/23 11:14	10/16/23 17:54	1
N-Nitrosodi-n-propylamine	ND		0.15	0.057	ug/L		10/10/23 11:14	10/16/23 17:54	1
N-Nitrosodiphenylamine	ND		0.81	0.096	ug/L		10/10/23 11:14	10/16/23 17:54	1
Phenanthrene	0.092	J	0.15	0.044	ug/L		10/10/23 11:14	10/16/23 17:54	1
Phenol	0.59	J	0.81	0.39	ug/L		10/10/23 11:14	10/16/23 17:54	1
Pyrene	0.48		0.15	0.044	ug/L		10/10/23 11:14	10/16/23 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		23 - 128	10/10/23 11:14	10/16/23 17:54	1
2-Fluorobiphenyl	58		20 - 105	10/10/23 11:14	10/16/23 17:54	1
2-Fluorophenol (Surr)	50		20 - 105	10/10/23 11:14	10/16/23 17:54	1
Nitrobenzene-d5 (Surr)	65		20 - 107	10/10/23 11:14	10/16/23 17:54	1
Phenol-d5 (Surr)	48		20 - 106	10/10/23 11:14	10/16/23 17:54	1
Terphenyl-d14 (Surr)	59		22 - 120	10/10/23 11:14	10/16/23 17:54	1

QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-686612/8
Matrix: Water
Analysis Batch: 686612

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/23 15:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/23 15:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/23 15:51	1
Benzene	ND		1.0	0.41	ug/L			10/09/23 15:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/23 15:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/23 15:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/23 15:51	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/23 15:51	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/23 15:51	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/23 15:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/23 15:51	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/23 15:51	1
Styrene	ND		1.0	0.73	ug/L			10/09/23 15:51	1
Toluene	ND		1.0	0.51	ug/L			10/09/23 15:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/23 15:51	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		10/09/23 15:51	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/09/23 15:51	1
Dibromofluoromethane (Surr)	102		75 - 123		10/09/23 15:51	1
Toluene-d8 (Surr)	94		80 - 120		10/09/23 15:51	1

Lab Sample ID: LCS 480-686612/6
Matrix: Water
Analysis Batch: 686612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trimethylbenzene	25.0	26.7		ug/L		107	76 - 121
1,3,5-Trimethylbenzene	25.0	27.0		ug/L		108	77 - 121
Benzene	25.0	25.3		ug/L		101	71 - 124
Chloromethane	25.0	24.7		ug/L		99	68 - 124
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Methyl tert-butyl ether	25.0	26.8		ug/L		107	77 - 120
m-Xylene & p-Xylene	25.0	25.0		ug/L		100	76 - 122
Naphthalene	25.0	26.8		ug/L		107	66 - 125
n-Butylbenzene	25.0	26.6		ug/L		106	71 - 128
N-Propylbenzene	25.0	25.9		ug/L		104	75 - 127
o-Xylene	25.0	24.8		ug/L		99	76 - 122
Styrene	25.0	24.8		ug/L		99	80 - 120
Toluene	25.0	24.3		ug/L		97	80 - 122
Xylenes, Total	50.0	49.8		ug/L		100	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	95		80 - 120

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-686979/8
Matrix: Water
Analysis Batch: 686979

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/23 00:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/12/23 00:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/12/23 00:43	1
Benzene	ND		1.0	0.41	ug/L			10/12/23 00:43	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/23 00:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/23 00:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/23 00:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/12/23 00:43	1
Naphthalene	ND		1.0	0.43	ug/L			10/12/23 00:43	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/12/23 00:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/12/23 00:43	1
o-Xylene	ND		1.0	0.76	ug/L			10/12/23 00:43	1
Styrene	ND		1.0	0.73	ug/L			10/12/23 00:43	1
Toluene	ND		1.0	0.51	ug/L			10/12/23 00:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/23 00:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		10/12/23 00:43	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/12/23 00:43	1
Dibromofluoromethane (Surr)	95		75 - 123		10/12/23 00:43	1
Toluene-d8 (Surr)	100		80 - 120		10/12/23 00:43	1

Lab Sample ID: LCS 480-686979/6
Matrix: Water
Analysis Batch: 686979

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1-Trichloroethane	25.0	28.0		ug/L		112	73 - 126
1,2,4-Trimethylbenzene	25.0	27.0		ug/L		108	76 - 121
1,3,5-Trimethylbenzene	25.0	27.0		ug/L		108	77 - 121
Benzene	25.0	24.6		ug/L		98	71 - 124
Chloromethane	25.0	26.3		ug/L		105	68 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methyl tert-butyl ether	25.0	24.0		ug/L		96	77 - 120
m-Xylene & p-Xylene	25.0	24.9		ug/L		100	76 - 122
Naphthalene	25.0	20.6		ug/L		82	66 - 125
n-Butylbenzene	25.0	28.2		ug/L		113	71 - 128
N-Propylbenzene	25.0	27.2		ug/L		109	75 - 127
o-Xylene	25.0	24.6		ug/L		98	76 - 122
Styrene	25.0	25.3		ug/L		101	80 - 120
Toluene	25.0	24.4		ug/L		98	80 - 122
Xylenes, Total	50.0	49.5		ug/L		99	76 - 122

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123
Toluene-d8 (Surr)	97		80 - 120

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 480-686639/1-A
Matrix: Water
Analysis Batch: 686733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1.0	0.34	ug/L		10/09/23 14:28	10/11/23 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		24 - 146				10/09/23 14:28	10/11/23 07:52	1
2-Fluorobiphenyl	109		37 - 120				10/09/23 14:28	10/11/23 07:52	1
2-Fluorophenol (Surr)	58		10 - 120				10/09/23 14:28	10/11/23 07:52	1
Nitrobenzene-d5 (Surr)	91		26 - 120				10/09/23 14:28	10/11/23 07:52	1
Phenol-d5 (Surr)	40		11 - 120				10/09/23 14:28	10/11/23 07:52	1
p-Terphenyl-d14	115		64 - 127				10/09/23 14:28	10/11/23 07:52	1

Lab Sample ID: LCS 480-686639/2-A
Matrix: Water
Analysis Batch: 686733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	16.0	15.7		ug/L		98	10 - 131
Surrogate	%Recovery	Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	117		24 - 146				
2-Fluorobiphenyl	106		37 - 120				
2-Fluorophenol (Surr)	61		10 - 120				
Nitrobenzene-d5 (Surr)	100		26 - 120				
Phenol-d5 (Surr)	44		11 - 120				
p-Terphenyl-d14	112		64 - 127				

Lab Sample ID: LCSD 480-686639/3-A
Matrix: Water
Analysis Batch: 686733

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686639

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Pentachlorophenol	16.0	15.1		ug/L		95	10 - 131	3	171
Surrogate	%Recovery	Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	120		24 - 146						
2-Fluorobiphenyl	107		37 - 120						
2-Fluorophenol (Surr)	60		10 - 120						
Nitrobenzene-d5 (Surr)	99		26 - 120						
Phenol-d5 (Surr)	44		11 - 120						
p-Terphenyl-d14	108		64 - 127						

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-448702/1-A
Matrix: Water
Analysis Batch: 449026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.13	ug/L		10/09/23 14:29	10/12/23 09:07	1

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448702/1-A
Matrix: Water
Analysis Batch: 449026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448702

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichlorobenzene	ND		1.0	0.095	ug/L		10/09/23 14:29	10/12/23 09:07	1
1,3-Dichlorobenzene	ND		1.0	0.099	ug/L		10/09/23 14:29	10/12/23 09:07	1
1,4-Dichlorobenzene	ND		1.0	0.061	ug/L		10/09/23 14:29	10/12/23 09:07	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4-Dinitrophenol	ND		10	1.5	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/23 14:29	10/12/23 09:07	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Chlorophenol	ND		1.0	0.13	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Methylphenol	ND		1.0	0.30	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/23 14:29	10/12/23 09:07	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/23 14:29	10/12/23 09:07	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/23 14:29	10/12/23 09:07	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/23 14:29	10/12/23 09:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Chloro-3-methylphenol	ND		1.0	0.28	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/23 14:29	10/12/23 09:07	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/23 14:29	10/12/23 09:07	1
Acenaphthene	ND		0.19	0.065	ug/L		10/09/23 14:29	10/12/23 09:07	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/23 14:29	10/12/23 09:07	1
Anthracene	ND		0.19	0.049	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzoic acid	ND		5.0	0.92	ug/L		10/09/23 14:29	10/12/23 09:07	1
Benzyl alcohol	ND		1.0	0.16	ug/L		10/09/23 14:29	10/12/23 09:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/23 14:29	10/12/23 09:07	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/23 14:29	10/12/23 09:07	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/23 14:29	10/12/23 09:07	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/23 14:29	10/12/23 09:07	1
Butyl benzyl phthalate	ND		1.0	0.46	ug/L		10/09/23 14:29	10/12/23 09:07	1
Chrysene	ND		0.19	0.081	ug/L		10/09/23 14:29	10/12/23 09:07	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/23 14:29	10/12/23 09:07	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/23 14:29	10/12/23 09:07	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/23 14:29	10/12/23 09:07	1
Dimethyl phthalate	ND		1.0	0.20	ug/L		10/09/23 14:29	10/12/23 09:07	1
Di-n-butyl phthalate	ND		1.0	0.74	ug/L		10/09/23 14:29	10/12/23 09:07	1

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448702/1-A
Matrix: Water
Analysis Batch: 449026

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448702

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/23 14:29	10/12/23 09:07	1
Fluoranthene	ND		0.19	0.060	ug/L		10/09/23 14:29	10/12/23 09:07	1
Fluorene	ND		0.19	0.069	ug/L		10/09/23 14:29	10/12/23 09:07	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/23 14:29	10/12/23 09:07	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/23 14:29	10/12/23 09:07	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/23 14:29	10/12/23 09:07	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/23 14:29	10/12/23 09:07	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/23 14:29	10/12/23 09:07	1
Isophorone	ND		1.0	0.19	ug/L		10/09/23 14:29	10/12/23 09:07	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/23 14:29	10/12/23 09:07	1
Naphthalene	ND		0.19	0.059	ug/L		10/09/23 14:29	10/12/23 09:07	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/23 14:29	10/12/23 09:07	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/23 14:29	10/12/23 09:07	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/23 14:29	10/12/23 09:07	1
Phenanthrene	ND		0.19	0.055	ug/L		10/09/23 14:29	10/12/23 09:07	1
Phenol	ND		1.0	0.49	ug/L		10/09/23 14:29	10/12/23 09:07	1
Pyrene	ND		0.19	0.054	ug/L		10/09/23 14:29	10/12/23 09:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		23 - 128	10/09/23 14:29	10/12/23 09:07	1
2-Fluorobiphenyl	88		20 - 105	10/09/23 14:29	10/12/23 09:07	1
2-Fluorophenol (Surr)	91		20 - 105	10/09/23 14:29	10/12/23 09:07	1
Nitrobenzene-d5 (Surr)	94		20 - 107	10/09/23 14:29	10/12/23 09:07	1
Phenol-d5 (Surr)	86		20 - 106	10/09/23 14:29	10/12/23 09:07	1
Terphenyl-d14 (Surr)	84		22 - 120	10/09/23 14:29	10/12/23 09:07	1

Lab Sample ID: LCS 180-448702/2-A
Matrix: Water
Analysis Batch: 449026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	14.2		ug/L		71	51 - 100
1,2-Dichlorobenzene	20.0	14.0		ug/L		70	51 - 100
1,3-Dichlorobenzene	20.0	14.3		ug/L		72	51 - 100
1,4-Dichlorobenzene	20.0	14.0		ug/L		70	52 - 100
1-Methylnaphthalene	20.0	13.7		ug/L		68	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	12.9		ug/L		65	50 - 100
2,4,5-Trichlorophenol	20.0	15.2		ug/L		76	55 - 100
2,4,6-Trichlorophenol	20.0	16.0		ug/L		80	54 - 100
2,4-Dichlorophenol	20.0	14.0		ug/L		70	55 - 100
2,4-Dimethylphenol	20.0	10.8		ug/L		54	51 - 100
2,4-Dinitrophenol	40.0	28.4		ug/L		71	32 - 100
2,4-Dinitrotoluene	20.0	13.5		ug/L		68	56 - 100
2,6-Dinitrotoluene	20.0	12.9		ug/L		65	56 - 101
2-Chloronaphthalene	20.0	14.9		ug/L		74	52 - 100
2-Chlorophenol	20.0	14.5		ug/L		73	53 - 100
2-Methylnaphthalene	20.0	14.4		ug/L		72	53 - 100
2-Methylphenol	20.0	12.6		ug/L		63	51 - 100

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448702/2-A
Matrix: Water
Analysis Batch: 449026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	20.0	14.9		ug/L		75	47 - 104
2-Nitrophenol	20.0	15.2		ug/L		76	56 - 100
3,3'-Dichlorobenzidine	20.0	15.1		ug/L		76	42 - 100
3-Nitroaniline	20.0	13.2		ug/L		66	54 - 100
4,6-Dinitro-2-methylphenol	40.0	31.7		ug/L		79	48 - 100
4-Bromophenyl phenyl ether	20.0	15.5		ug/L		78	50 - 100
4-Chloro-3-methylphenol	20.0	14.0		ug/L		70	47 - 105
4-Chloroaniline	20.0	13.1		ug/L		66	48 - 100
4-Chlorophenyl phenyl ether	20.0	14.5		ug/L		73	52 - 100
4-Nitroaniline	20.0	13.2		ug/L		66	54 - 100
4-Nitrophenol	40.0	29.6		ug/L		74	37 - 120
Acenaphthene	20.0	13.9		ug/L		69	51 - 100
Acenaphthylene	20.0	14.6		ug/L		73	54 - 100
Anthracene	20.0	14.4		ug/L		72	54 - 100
Benzo[a]anthracene	20.0	14.6		ug/L		73	52 - 100
Benzo[a]pyrene	20.0	15.4		ug/L		77	52 - 100
Benzo[b]fluoranthene	20.0	13.9		ug/L		69	50 - 100
Benzo[g,h,i]perylene	20.0	13.4		ug/L		67	53 - 100
Benzo[k]fluoranthene	20.0	13.5		ug/L		68	49 - 100
Benzoic acid	20.0	17.1		ug/L		86	31 - 122
Benzyl alcohol	20.0	13.2		ug/L		66	33 - 107
Bis(2-chloroethoxy)methane	20.0	12.6		ug/L		63	49 - 100
Bis(2-chloroethyl)ether	20.0	12.1		ug/L		60	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	16.4		ug/L		82	52 - 101
bis(chloroisopropyl) ether	20.0	14.2		ug/L		71	29 - 102
Butyl benzyl phthalate	20.0	16.1		ug/L		81	52 - 100
Chrysene	20.0	13.8		ug/L		69	51 - 100
Dibenz(a,h)anthracene	20.0	15.4		ug/L		77	52 - 101
Dibenzofuran	20.0	13.1		ug/L		65	53 - 100
Diethyl phthalate	20.0	13.7		ug/L		68	52 - 100
Dimethyl phthalate	20.0	14.1		ug/L		70	55 - 100
Di-n-butyl phthalate	20.0	15.1		ug/L		75	57 - 100
Di-n-octyl phthalate	20.0	14.9		ug/L		75	41 - 100
Fluoranthene	20.0	14.0		ug/L		70	56 - 100
Fluorene	20.0	14.0		ug/L		70	53 - 100
Hexachlorobenzene	20.0	16.1		ug/L		81	46 - 100
Hexachlorobutadiene	20.0	15.3		ug/L		76	42 - 101
Hexachlorocyclopentadiene	20.0	11.6		ug/L		58	38 - 102
Hexachloroethane	20.0	13.7		ug/L		68	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.7		ug/L		74	54 - 100
Isophorone	20.0	14.8		ug/L		74	50 - 100
Methylphenol, 3 & 4	20.0	12.8		ug/L		64	51 - 100
Naphthalene	20.0	14.7		ug/L		74	53 - 100
Nitrobenzene	20.0	15.6		ug/L		78	47 - 100
N-Nitrosodi-n-propylamine	20.0	13.4		ug/L		67	43 - 103
N-Nitrosodiphenylamine	20.0	16.6		ug/L		83	53 - 100
Phenanthrene	20.0	14.3		ug/L		72	53 - 100
Phenol	20.0	13.4		ug/L		67	49 - 100
Pyrene	20.0	15.5		ug/L		77	53 - 100

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	77		23 - 128
2-Fluorobiphenyl	75		20 - 105
2-Fluorophenol (Surr)	70		20 - 105
Nitrobenzene-d5 (Surr)	77		20 - 107
Phenol-d5 (Surr)	67		20 - 106
Terphenyl-d14 (Surr)	71		22 - 120

Lab Sample ID: MB 180-448704/1-A
Matrix: Water
Analysis Batch: 449286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448704

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4-Trichlorobenzene	ND		1.0	0.13	ug/L		10/09/23 14:41	10/16/23 07:51	1
1,2-Dichlorobenzene	ND		1.0	0.095	ug/L		10/09/23 14:41	10/16/23 07:51	1
1,3-Dichlorobenzene	ND		1.0	0.099	ug/L		10/09/23 14:41	10/16/23 07:51	1
1,4-Dichlorobenzene	ND		1.0	0.061	ug/L		10/09/23 14:41	10/16/23 07:51	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4-Dimethylphenol	ND		1.0	0.17	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4-Dinitrophenol	ND		10	1.5	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/23 14:41	10/16/23 07:51	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Chlorophenol	ND		1.0	0.13	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Methylphenol	ND		1.0	0.30	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/23 14:41	10/16/23 07:51	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/23 14:41	10/16/23 07:51	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/23 14:41	10/16/23 07:51	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/23 14:41	10/16/23 07:51	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Chloro-3-methylphenol	ND		1.0	0.28	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/23 14:41	10/16/23 07:51	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/23 14:41	10/16/23 07:51	1
Acenaphthene	ND		0.19	0.065	ug/L		10/09/23 14:41	10/16/23 07:51	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/23 14:41	10/16/23 07:51	1
Anthracene	ND		0.19	0.049	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzoic acid	ND		5.0	0.92	ug/L		10/09/23 14:41	10/16/23 07:51	1
Benzyl alcohol	ND		1.0	0.16	ug/L		10/09/23 14:41	10/16/23 07:51	1

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448704/1-A
Matrix: Water
Analysis Batch: 449286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/23 14:41	10/16/23 07:51	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/23 14:41	10/16/23 07:51	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/23 14:41	10/16/23 07:51	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/23 14:41	10/16/23 07:51	1
Butyl benzyl phthalate	ND		1.0	0.46	ug/L		10/09/23 14:41	10/16/23 07:51	1
Chrysene	ND		0.19	0.081	ug/L		10/09/23 14:41	10/16/23 07:51	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/23 14:41	10/16/23 07:51	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/23 14:41	10/16/23 07:51	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/23 14:41	10/16/23 07:51	1
Dimethyl phthalate	ND		1.0	0.20	ug/L		10/09/23 14:41	10/16/23 07:51	1
Di-n-butyl phthalate	ND		1.0	0.74	ug/L		10/09/23 14:41	10/16/23 07:51	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/23 14:41	10/16/23 07:51	1
Fluoranthene	ND		0.19	0.060	ug/L		10/09/23 14:41	10/16/23 07:51	1
Fluorene	ND		0.19	0.069	ug/L		10/09/23 14:41	10/16/23 07:51	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/23 14:41	10/16/23 07:51	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/23 14:41	10/16/23 07:51	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/23 14:41	10/16/23 07:51	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/23 14:41	10/16/23 07:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/23 14:41	10/16/23 07:51	1
Isophorone	ND		1.0	0.19	ug/L		10/09/23 14:41	10/16/23 07:51	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/23 14:41	10/16/23 07:51	1
Naphthalene	ND		0.19	0.059	ug/L		10/09/23 14:41	10/16/23 07:51	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/23 14:41	10/16/23 07:51	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/23 14:41	10/16/23 07:51	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/23 14:41	10/16/23 07:51	1
Phenanthrene	ND		0.19	0.055	ug/L		10/09/23 14:41	10/16/23 07:51	1
Phenol	ND		1.0	0.49	ug/L		10/09/23 14:41	10/16/23 07:51	1
Pyrene	ND		0.19	0.054	ug/L		10/09/23 14:41	10/16/23 07:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		23 - 128	10/09/23 14:41	10/16/23 07:51	1
2-Fluorobiphenyl	68		20 - 105	10/09/23 14:41	10/16/23 07:51	1
2-Fluorophenol (Surr)	58		20 - 105	10/09/23 14:41	10/16/23 07:51	1
Nitrobenzene-d5 (Surr)	63		20 - 107	10/09/23 14:41	10/16/23 07:51	1
Phenol-d5 (Surr)	60		20 - 106	10/09/23 14:41	10/16/23 07:51	1
Terphenyl-d14 (Surr)	59		22 - 120	10/09/23 14:41	10/16/23 07:51	1

Lab Sample ID: LCS 180-448704/2-A
Matrix: Water
Analysis Batch: 449286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	15.7		ug/L		78	51 - 100
1,2-Dichlorobenzene	20.0	14.9		ug/L		75	51 - 100
1,3-Dichlorobenzene	20.0	14.8		ug/L		74	51 - 100
1,4-Dichlorobenzene	20.0	15.0		ug/L		75	52 - 100
1-Methylnaphthalene	20.0	15.9		ug/L		80	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	17.2		ug/L		86	50 - 100

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448704/2-A
Matrix: Water
Analysis Batch: 449286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	20.0	15.1		ug/L		76	55 - 100
2,4,6-Trichlorophenol	20.0	15.8		ug/L		79	54 - 100
2,4-Dichlorophenol	20.0	16.6		ug/L		83	55 - 100
2,4-Dimethylphenol	20.0	11.6		ug/L		58	51 - 100
2,4-Dinitrophenol	40.0	35.0		ug/L		87	32 - 100
2,4-Dinitrotoluene	20.0	17.2		ug/L		86	56 - 100
2,6-Dinitrotoluene	20.0	15.5		ug/L		77	56 - 101
2-Chloronaphthalene	20.0	13.5		ug/L		68	52 - 100
2-Chlorophenol	20.0	15.3		ug/L		77	53 - 100
2-Methylnaphthalene	20.0	16.6		ug/L		83	53 - 100
2-Methylphenol	20.0	14.2		ug/L		71	51 - 100
2-Nitroaniline	20.0	13.7		ug/L		69	47 - 104
2-Nitrophenol	20.0	16.7		ug/L		84	56 - 100
3,3'-Dichlorobenzidine	20.0	16.7		ug/L		84	42 - 100
3-Nitroaniline	20.0	14.5		ug/L		73	54 - 100
4,6-Dinitro-2-methylphenol	40.0	33.7		ug/L		84	48 - 100
4-Bromophenyl phenyl ether	20.0	15.6		ug/L		78	50 - 100
4-Chloro-3-methylphenol	20.0	16.2		ug/L		81	47 - 105
4-Chloroaniline	20.0	12.8		ug/L		64	48 - 100
4-Chlorophenyl phenyl ether	20.0	15.6		ug/L		78	52 - 100
4-Nitroaniline	20.0	15.9		ug/L		80	54 - 100
4-Nitrophenol	40.0	27.2		ug/L		68	37 - 120
Acenaphthene	20.0	14.8		ug/L		74	51 - 100
Acenaphthylene	20.0	15.2		ug/L		76	54 - 100
Anthracene	20.0	14.5		ug/L		73	54 - 100
Benzo[a]anthracene	20.0	14.5		ug/L		73	52 - 100
Benzo[a]pyrene	20.0	15.6		ug/L		78	52 - 100
Benzo[b]fluoranthene	20.0	13.1		ug/L		66	50 - 100
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	53 - 100
Benzo[k]fluoranthene	20.0	13.7		ug/L		68	49 - 100
Benzoic acid	20.0	17.5		ug/L		88	31 - 122
Benzyl alcohol	20.0	14.5		ug/L		73	33 - 107
Bis(2-chloroethoxy)methane	20.0	14.2		ug/L		71	49 - 100
Bis(2-chloroethyl)ether	20.0	13.8		ug/L		69	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	13.6		ug/L		68	52 - 101
bis(chloroisopropyl) ether	20.0	13.7		ug/L		68	29 - 102
Butyl benzyl phthalate	20.0	14.2		ug/L		71	52 - 100
Chrysene	20.0	14.8		ug/L		74	51 - 100
Dibenz(a,h)anthracene	20.0	15.5		ug/L		77	52 - 101
Dibenzofuran	20.0	14.8		ug/L		74	53 - 100
Diethyl phthalate	20.0	15.4		ug/L		77	52 - 100
Dimethyl phthalate	20.0	14.9		ug/L		74	55 - 100
Di-n-butyl phthalate	20.0	14.7		ug/L		73	57 - 100
Di-n-octyl phthalate	20.0	11.2		ug/L		56	41 - 100
Fluoranthene	20.0	15.6		ug/L		78	56 - 100
Fluorene	20.0	14.9		ug/L		74	53 - 100
Hexachlorobenzene	20.0	16.5		ug/L		82	46 - 100
Hexachlorobutadiene	20.0	16.8		ug/L		84	42 - 101
Hexachlorocyclopentadiene	20.0	10.9		ug/L		55	38 - 102

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448704/2-A
Matrix: Water
Analysis Batch: 449286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	20.0	14.7		ug/L		74	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	15.7		ug/L		78	54 - 100
Isophorone	20.0	14.8		ug/L		74	50 - 100
Methylphenol, 3 & 4	20.0	15.0		ug/L		75	51 - 100
Naphthalene	20.0	15.0		ug/L		75	53 - 100
Nitrobenzene	20.0	13.7		ug/L		68	47 - 100
N-Nitrosodi-n-propylamine	20.0	14.9		ug/L		75	43 - 103
N-Nitrosodiphenylamine	20.0	13.6		ug/L		68	53 - 100
Phenanthrene	20.0	13.9		ug/L		69	53 - 100
Phenol	20.0	14.1		ug/L		71	49 - 100
Pyrene	20.0	13.7		ug/L		69	53 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		23 - 128
2-Fluorobiphenyl	69		20 - 105
2-Fluorophenol (Surr)	78		20 - 105
Nitrobenzene-d5 (Surr)	70		20 - 107
Phenol-d5 (Surr)	73		20 - 106
Terphenyl-d14 (Surr)	69		22 - 120

Lab Sample ID: 180-163450-10 MS
Matrix: Water
Analysis Batch: 449286

Client Sample ID: SUPE-W-12CR-100323
Prep Type: Total/NA
Prep Batch: 448704

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	ND	F1	23.8	7.08	F1	ug/L		30	51 - 100
1,2-Dichlorobenzene	ND	F1	23.8	5.81	F1	ug/L		24	51 - 100
1,3-Dichlorobenzene	ND	F1	23.8	5.39	F1	ug/L		23	51 - 100
1,4-Dichlorobenzene	ND	F1	23.8	5.62	F1	ug/L		24	52 - 100
1-Methylnaphthalene	ND	F1	23.8	8.70	F1	ug/L		37	53 - 100
2,3,4,6-Tetrachlorophenol	ND	F1	23.8	10.4	F1	ug/L		43	50 - 100
2,4,5-Trichlorophenol	ND	F1	23.8	9.51	F1	ug/L		40	55 - 100
2,4,6-Trichlorophenol	ND	F1	23.8	9.56	F1	ug/L		40	54 - 100
2,4-Dichlorophenol	ND	F1	23.8	9.65	F1	ug/L		41	55 - 100
2,4-Dimethylphenol	ND	F1	23.8	3.42	F1	ug/L		14	51 - 100
2,4-Dinitrophenol	ND	F1	47.6	ND	F1	ug/L		0	32 - 100
2,4-Dinitrotoluene	ND	F1	23.8	11.0	F1	ug/L		46	56 - 100
2,6-Dinitrotoluene	ND	F1	23.8	10.2	F1	ug/L		43	56 - 101
2-Chloronaphthalene	ND	F1	23.8	8.18	F1	ug/L		34	52 - 100
2-Chlorophenol	ND	F1	23.8	8.32	F1	ug/L		35	53 - 100
2-Methylnaphthalene	ND	F1	23.8	8.89	F1	ug/L		37	53 - 100
2-Methylphenol	ND	F1	23.8	7.81	F1	ug/L		33	51 - 100
2-Nitroaniline	ND	F1	23.8	8.58	F1	ug/L		36	47 - 104
2-Nitrophenol	ND	F1	23.8	8.68	F1	ug/L		36	56 - 100
3,3'-Dichlorobenzidine	ND	F1	23.8	5.91	F1	ug/L		25	42 - 100
3-Nitroaniline	ND	F1	23.8	9.49	F1	ug/L		40	54 - 100
4,6-Dinitro-2-methylphenol	ND		47.6	22.8		ug/L		48	48 - 100
4-Bromophenyl phenyl ether	ND	F1	23.8	10.3	F1	ug/L		43	50 - 100

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-163450-10 MS

Matrix: Water

Analysis Batch: 449286

Client Sample ID: SUPE-W-12CR-100323

Prep Type: Total/NA

Prep Batch: 448704

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
4-Chloro-3-methylphenol	ND	F1	23.8	9.56	F1	ug/L		40	47 - 105
4-Chloroaniline	ND	F1	23.8	6.74	F1	ug/L		28	48 - 100
4-Chlorophenyl phenyl ether	ND	F1	23.8	9.80	F1	ug/L		41	52 - 100
4-Nitroaniline	ND	F1	23.8	9.98	F1	ug/L		42	54 - 100
4-Nitrophenol	ND		47.6	18.3		ug/L		38	37 - 120
Acenaphthene	ND	F1	23.8	9.03	F1	ug/L		38	51 - 100
Acenaphthylene	ND	F1	23.8	8.96	F1	ug/L		38	54 - 100
Anthracene	ND	F1	23.8	9.88	F1	ug/L		41	54 - 100
Benzo[a]anthracene	ND	F1	23.8	10.4	F1	ug/L		44	52 - 100
Benzo[a]pyrene	ND	F1	23.8	10.3	F1	ug/L		43	52 - 100
Benzo[b]fluoranthene	ND	F1	23.8	9.42	F1	ug/L		40	50 - 100
Benzo[g,h,i]perylene	ND	F1	23.8	10.7	F1	ug/L		45	53 - 100
Benzo[k]fluoranthene	ND	F1	23.8	9.89	F1	ug/L		42	49 - 100
Benzoic acid	ND		23.8	7.42		ug/L		31	31 - 122
Benzyl alcohol	ND		23.8	8.30		ug/L		35	33 - 107
Bis(2-chloroethoxy)methane	ND	F1	23.8	8.10	F1	ug/L		34	49 - 100
Bis(2-chloroethyl)ether	ND	F1	23.8	6.84	F1	ug/L		29	46 - 100
Bis(2-ethylhexyl) phthalate	ND		23.8	13.7		ug/L		57	52 - 101
bis(chloroisopropyl) ether	ND		23.8	7.53		ug/L		32	29 - 102
Butyl benzyl phthalate	ND	F1	23.8	9.68	F1	ug/L		41	52 - 100
Chrysene	ND	F1	23.8	10.5	F1	ug/L		44	51 - 100
Dibenz(a,h)anthracene	ND	F1	23.8	11.0	F1	ug/L		46	52 - 101
Dibenzofuran	ND	F1	23.8	9.42	F1	ug/L		40	53 - 100
Diethyl phthalate	ND	F1	23.8	10.4	F1	ug/L		43	52 - 100
Dimethyl phthalate	ND	F1	23.8	9.82	F1	ug/L		41	55 - 100
Di-n-butyl phthalate	1.5	F1	23.8	12.0	F1	ug/L		44	57 - 100
Di-n-octyl phthalate	ND	F1	23.8	7.90	F1	ug/L		33	41 - 100
Fluoranthene	ND	F1	23.8	11.0	F1	ug/L		46	56 - 100
Fluorene	ND	F1	23.8	9.83	F1	ug/L		41	53 - 100
Hexachlorobenzene	ND	F1	23.8	10.7	F1	ug/L		45	46 - 100
Hexachlorobutadiene	ND	F1	23.8	6.67	F1	ug/L		28	42 - 101
Hexachlorocyclopentadiene	ND	F1	23.8	1.43	F1	ug/L		6	38 - 102
Hexachloroethane	ND	F1	23.8	5.15	F1	ug/L		22	46 - 100
Indeno[1,2,3-cd]pyrene	ND	F1	23.8	10.7	F1	ug/L		45	54 - 100
Isophorone	ND	F1	23.8	8.16	F1	ug/L		34	50 - 100
Methylphenol, 3 & 4	ND	F1	23.8	8.47	F1	ug/L		36	51 - 100
Naphthalene	ND	F1	23.8	7.35	F1	ug/L		31	53 - 100
Nitrobenzene	ND	F1	23.8	7.66	F1	ug/L		32	47 - 100
N-Nitrosodi-n-propylamine	ND	F1	23.8	7.25	F1	ug/L		30	43 - 103
N-Nitrosodiphenylamine	ND	F1	23.8	6.84	F1	ug/L		29	53 - 100
Phenanthrene	0.092	J F1	23.8	9.98	F1	ug/L		42	53 - 100
Phenol	ND	F1	23.8	7.97	F1	ug/L		33	49 - 100
Pyrene	ND	F1	23.8	9.78	F1	ug/L		41	53 - 100

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	64		23 - 128
2-Fluorobiphenyl	44		20 - 105
2-Fluorophenol (Surr)	46		20 - 105

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-163450-10 MS
Matrix: Water
Analysis Batch: 449286

Client Sample ID: SUPE-W-12CR-100323
Prep Type: Total/NA
Prep Batch: 448704

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Nitrobenzene-d5 (Surr)</i>	49		20 - 107
<i>Phenol-d5 (Surr)</i>	50		20 - 106
<i>Terphenyl-d14 (Surr)</i>	52		22 - 120

Lab Sample ID: MB 180-448788/1-A
Matrix: Water
Analysis Batch: 449298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448788

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	1.0	0.13	ug/L		10/10/23 11:14	10/16/23 11:15	1
1,2-Dichlorobenzene	ND	1.0	0.095	ug/L		10/10/23 11:14	10/16/23 11:15	1
1,3-Dichlorobenzene	ND	1.0	0.099	ug/L		10/10/23 11:14	10/16/23 11:15	1
1,4-Dichlorobenzene	ND	1.0	0.061	ug/L		10/10/23 11:14	10/16/23 11:15	1
1-Methylnaphthalene	ND	0.19	0.056	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,3,4,6-Tetrachlorophenol	ND	1.0	0.33	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,3,5,6-Tetrachlorophenol	ND	1.0	0.51	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4,5-Trichlorophenol	ND	1.0	0.25	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4,6-Trichlorophenol	ND	1.0	0.22	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4-Dichlorophenol	ND	0.19	0.051	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4-Dimethylphenol	ND	1.0	0.17	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4-Dinitrophenol	ND	10	1.5	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,4-Dinitrotoluene	ND	1.0	0.35	ug/L		10/10/23 11:14	10/16/23 11:15	1
2,6-Dinitrotoluene	ND	1.0	0.17	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Chloronaphthalene	ND	0.19	0.059	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Chlorophenol	ND	1.0	0.13	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Methylnaphthalene	ND	0.19	0.062	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Methylphenol	ND	1.0	0.30	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Nitroaniline	ND	5.0	0.55	ug/L		10/10/23 11:14	10/16/23 11:15	1
2-Nitrophenol	ND	1.0	0.19	ug/L		10/10/23 11:14	10/16/23 11:15	1
3,3'-Dichlorobenzidine	ND	1.0	0.58	ug/L		10/10/23 11:14	10/16/23 11:15	1
3-Nitroaniline	ND	5.0	0.44	ug/L		10/10/23 11:14	10/16/23 11:15	1
4,6-Dinitro-2-methylphenol	ND	5.0	1.5	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Bromophenyl phenyl ether	ND	1.0	0.32	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Chloro-3-methylphenol	ND	1.0	0.28	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Chloroaniline	ND	1.0	0.38	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Chlorophenyl phenyl ether	ND	1.0	0.22	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Nitroaniline	ND	5.0	0.36	ug/L		10/10/23 11:14	10/16/23 11:15	1
4-Nitrophenol	ND	5.0	0.94	ug/L		10/10/23 11:14	10/16/23 11:15	1
Acenaphthene	ND	0.19	0.065	ug/L		10/10/23 11:14	10/16/23 11:15	1
Acenaphthylene	ND	0.19	0.065	ug/L		10/10/23 11:14	10/16/23 11:15	1
Anthracene	ND	0.19	0.049	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzo[a]anthracene	ND	0.19	0.075	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzo[a]pyrene	ND	0.19	0.053	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzo[b]fluoranthene	ND	0.19	0.097	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzo[g,h,i]perylene	ND	0.19	0.069	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzo[k]fluoranthene	ND	0.19	0.088	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzoic acid	ND	5.0	0.92	ug/L		10/10/23 11:14	10/16/23 11:15	1
Benzyl alcohol	ND	1.0	0.16	ug/L		10/10/23 11:14	10/16/23 11:15	1

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 180-448788/1-A
Matrix: Water
Analysis Batch: 449298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/10/23 11:14	10/16/23 11:15	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/10/23 11:14	10/16/23 11:15	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/10/23 11:14	10/16/23 11:15	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/10/23 11:14	10/16/23 11:15	1
Butyl benzyl phthalate	ND		1.0	0.46	ug/L		10/10/23 11:14	10/16/23 11:15	1
Chrysene	ND		0.19	0.081	ug/L		10/10/23 11:14	10/16/23 11:15	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/10/23 11:14	10/16/23 11:15	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/10/23 11:14	10/16/23 11:15	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/10/23 11:14	10/16/23 11:15	1
Dimethyl phthalate	ND		1.0	0.20	ug/L		10/10/23 11:14	10/16/23 11:15	1
Di-n-butyl phthalate	ND		1.0	0.74	ug/L		10/10/23 11:14	10/16/23 11:15	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/10/23 11:14	10/16/23 11:15	1
Fluoranthene	ND		0.19	0.060	ug/L		10/10/23 11:14	10/16/23 11:15	1
Fluorene	ND		0.19	0.069	ug/L		10/10/23 11:14	10/16/23 11:15	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/10/23 11:14	10/16/23 11:15	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/10/23 11:14	10/16/23 11:15	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/10/23 11:14	10/16/23 11:15	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/10/23 11:14	10/16/23 11:15	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/10/23 11:14	10/16/23 11:15	1
Isophorone	ND		1.0	0.19	ug/L		10/10/23 11:14	10/16/23 11:15	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/10/23 11:14	10/16/23 11:15	1
Naphthalene	ND		0.19	0.059	ug/L		10/10/23 11:14	10/16/23 11:15	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/10/23 11:14	10/16/23 11:15	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/10/23 11:14	10/16/23 11:15	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/10/23 11:14	10/16/23 11:15	1
Phenanthrene	ND		0.19	0.055	ug/L		10/10/23 11:14	10/16/23 11:15	1
Phenol	ND		1.0	0.49	ug/L		10/10/23 11:14	10/16/23 11:15	1
Pyrene	ND		0.19	0.054	ug/L		10/10/23 11:14	10/16/23 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		23 - 128	10/10/23 11:14	10/16/23 11:15	1
2-Fluorobiphenyl	67		20 - 105	10/10/23 11:14	10/16/23 11:15	1
2-Fluorophenol (Surr)	73		20 - 105	10/10/23 11:14	10/16/23 11:15	1
Nitrobenzene-d5 (Surr)	73		20 - 107	10/10/23 11:14	10/16/23 11:15	1
Phenol-d5 (Surr)	77		20 - 106	10/10/23 11:14	10/16/23 11:15	1
Terphenyl-d14 (Surr)	71		22 - 120	10/10/23 11:14	10/16/23 11:15	1

Lab Sample ID: LCS 180-448788/2-A
Matrix: Water
Analysis Batch: 449298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	14.1		ug/L		70	51 - 100
1,2-Dichlorobenzene	20.0	14.9		ug/L		75	51 - 100
1,3-Dichlorobenzene	20.0	14.9		ug/L		74	51 - 100
1,4-Dichlorobenzene	20.0	14.4		ug/L		72	52 - 100
1-Methylnaphthalene	20.0	15.4		ug/L		77	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	14.7		ug/L		74	50 - 100

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448788/2-A
Matrix: Water
Analysis Batch: 449298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	20.0	15.1		ug/L		76	55 - 100
2,4,6-Trichlorophenol	20.0	15.2		ug/L		76	54 - 100
2,4-Dichlorophenol	20.0	15.0		ug/L		75	55 - 100
2,4-Dimethylphenol	20.0	11.7		ug/L		59	51 - 100
2,4-Dinitrophenol	40.0	32.0		ug/L		80	32 - 100
2,4-Dinitrotoluene	20.0	16.7		ug/L		83	56 - 100
2,6-Dinitrotoluene	20.0	15.8		ug/L		79	56 - 101
2-Chloronaphthalene	20.0	13.9		ug/L		70	52 - 100
2-Chlorophenol	20.0	15.7		ug/L		79	53 - 100
2-Methylnaphthalene	20.0	15.9		ug/L		80	53 - 100
2-Methylphenol	20.0	16.3		ug/L		81	51 - 100
2-Nitroaniline	20.0	16.3		ug/L		81	47 - 104
2-Nitrophenol	20.0	15.6		ug/L		78	56 - 100
3,3'-Dichlorobenzidine	20.0	16.8		ug/L		84	42 - 100
3-Nitroaniline	20.0	17.0		ug/L		85	54 - 100
4,6-Dinitro-2-methylphenol	40.0	30.2		ug/L		76	48 - 100
4-Bromophenyl phenyl ether	20.0	13.7		ug/L		69	50 - 100
4-Chloro-3-methylphenol	20.0	16.5		ug/L		82	47 - 105
4-Chloroaniline	20.0	15.1		ug/L		76	48 - 100
4-Chlorophenyl phenyl ether	20.0	14.4		ug/L		72	52 - 100
4-Nitroaniline	20.0	17.5		ug/L		87	54 - 100
4-Nitrophenol	40.0	32.0		ug/L		80	37 - 120
Acenaphthene	20.0	14.5		ug/L		72	51 - 100
Acenaphthylene	20.0	16.2		ug/L		81	54 - 100
Anthracene	20.0	15.5		ug/L		78	54 - 100
Benzo[a]anthracene	20.0	15.3		ug/L		76	52 - 100
Benzo[a]pyrene	20.0	15.8		ug/L		79	52 - 100
Benzo[b]fluoranthene	20.0	14.3		ug/L		72	50 - 100
Benzo[g,h,i]perylene	20.0	14.1		ug/L		71	53 - 100
Benzo[k]fluoranthene	20.0	13.8		ug/L		69	49 - 100
Benzoic acid	20.0	18.5		ug/L		92	31 - 122
Benzyl alcohol	20.0	16.7		ug/L		83	33 - 107
Bis(2-chloroethoxy)methane	20.0	14.0		ug/L		70	49 - 100
Bis(2-chloroethyl)ether	20.0	13.4		ug/L		67	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	17.5		ug/L		87	52 - 101
bis(chloroisopropyl) ether	20.0	16.4		ug/L		82	29 - 102
Butyl benzyl phthalate	20.0	17.6		ug/L		88	52 - 100
Chrysene	20.0	15.1		ug/L		75	51 - 100
Dibenz(a,h)anthracene	20.0	14.7		ug/L		74	52 - 101
Dibenzofuran	20.0	14.6		ug/L		73	53 - 100
Diethyl phthalate	20.0	15.3		ug/L		77	52 - 100
Dimethyl phthalate	20.0	14.6		ug/L		73	55 - 100
Di-n-butyl phthalate	20.0	16.9		ug/L		84	57 - 100
Di-n-octyl phthalate	20.0	16.6		ug/L		83	41 - 100
Fluoranthene	20.0	15.2		ug/L		76	56 - 100
Fluorene	20.0	15.1		ug/L		75	53 - 100
Hexachlorobenzene	20.0	13.5		ug/L		67	46 - 100
Hexachlorobutadiene	20.0	13.5		ug/L		68	42 - 101
Hexachlorocyclopentadiene	20.0	9.51		ug/L		48	38 - 102

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QC Sample Results

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

Method: EPA 8270E LL - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 180-448788/2-A
Matrix: Water
Analysis Batch: 449298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachloroethane	20.0	14.9		ug/L		74	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.7		ug/L		74	54 - 100
Isophorone	20.0	16.0		ug/L		80	50 - 100
Methylphenol, 3 & 4	20.0	16.4		ug/L		82	51 - 100
Naphthalene	20.0	15.3		ug/L		76	53 - 100
Nitrobenzene	20.0	15.0		ug/L		75	47 - 100
N-Nitrosodi-n-propylamine	20.0	16.8		ug/L		84	43 - 103
N-Nitrosodiphenylamine	20.0	14.7		ug/L		73	53 - 100
Phenanthrene	20.0	15.0		ug/L		75	53 - 100
Phenol	20.0	15.2		ug/L		76	49 - 100
Pyrene	20.0	14.8		ug/L		74	53 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>2,4,6-Tribromophenol (Surr)</i>	67		23 - 128
<i>2-Fluorobiphenyl</i>	68		20 - 105
<i>2-Fluorophenol (Surr)</i>	74		20 - 105
<i>Nitrobenzene-d5 (Surr)</i>	73		20 - 107
<i>Phenol-d5 (Surr)</i>	78		20 - 106
<i>Terphenyl-d14 (Surr)</i>	69		22 - 120

QC Association Summary

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

GC/MS VOA

Analysis Batch: 686612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-1	SUPE-W-30C-100323	Total/NA	Water	8260C	
180-163450-2	SUPE-W-06A-100323	Total/NA	Water	8260C	
180-163450-3	SUPE-W-06C-100323	Total/NA	Water	8260C	
180-163450-4	SUPE-EB-1-100323	Total/NA	Water	8260C	
180-163450-5	SUPE-W-12A-100323	Total/NA	Water	8260C	
180-163450-6	SUPE-W-28C-100323	Total/NA	Water	8260C	
180-163450-8	SUPE-M-99A-100323	Total/NA	Water	8260C	
180-163450-9	SUPE-TB-01-100323	Total/NA	Water	8260C	
180-163450-10	SUPE-W-12CR-100323	Total/NA	Water	8260C	
180-163450-11	SUPE-W-30A-100323	Total/NA	Water	8260C	
180-163450-12	SUPE-W-04AR2-100323	Total/NA	Water	8260C	
180-163450-13	SUPE-W-10AR2-100423	Total/NA	Water	8260C	
180-163450-14	SUPE-EB-2-100423	Total/NA	Water	8260C	
MB 480-686612/8	Method Blank	Total/NA	Water	8260C	
LCS 480-686612/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 686979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-15	SUPE-M-99B-100423	Total/NA	Water	8260C	
MB 480-686979/8	Method Blank	Total/NA	Water	8260C	
LCS 480-686979/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 448702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-1	SUPE-W-30C-100323	Total/NA	Water	3520C	
180-163450-2	SUPE-W-06A-100323	Total/NA	Water	3520C	
180-163450-3	SUPE-W-06C-100323	Total/NA	Water	3520C	
180-163450-4	SUPE-EB-1-100323	Total/NA	Water	3520C	
180-163450-5	SUPE-W-12A-100323	Total/NA	Water	3520C	
180-163450-6	SUPE-W-28C-100323	Total/NA	Water	3520C	
180-163450-7	SUPE-W-18D-100323	Total/NA	Water	3520C	
180-163450-8	SUPE-M-99A-100323	Total/NA	Water	3520C	
MB 180-448702/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-448702/2-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 448704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-10	SUPE-W-12CR-100323	Total/NA	Water	3520C	
180-163450-11	SUPE-W-30A-100323	Total/NA	Water	3520C	
180-163450-12	SUPE-W-04AR2-100323	Total/NA	Water	3520C	
MB 180-448704/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-448704/2-A	Lab Control Sample	Total/NA	Water	3520C	
180-163450-10 MS	SUPE-W-12CR-100323	Total/NA	Water	3520C	

Prep Batch: 448788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-13	SUPE-W-10AR2-100423	Total/NA	Water	3520C	
180-163450-14	SUPE-EB-2-100423	Total/NA	Water	3520C	
180-163450-15	SUPE-M-99B-100423	Total/NA	Water	3520C	

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QC Association Summary

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

GC/MS Semi VOA (Continued)

Prep Batch: 448788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-448788/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-448788/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 449026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-1	SUPE-W-30C-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-2	SUPE-W-06A-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-3	SUPE-W-06C-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-4	SUPE-EB-1-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-5	SUPE-W-12A-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-6	SUPE-W-28C-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-7	SUPE-W-18D-100323	Total/NA	Water	EPA 8270E LL	448702
180-163450-8	SUPE-M-99A-100323	Total/NA	Water	EPA 8270E LL	448702
MB 180-448702/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	448702
LCS 180-448702/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	448702

Analysis Batch: 449281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-15	SUPE-M-99B-100423	Total/NA	Water	EPA 8270E LL	448788

Analysis Batch: 449286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-10	SUPE-W-12CR-100323	Total/NA	Water	EPA 8270E LL	448704
180-163450-11	SUPE-W-30A-100323	Total/NA	Water	EPA 8270E LL	448704
180-163450-12	SUPE-W-04AR2-100323	Total/NA	Water	EPA 8270E LL	448704
180-163450-14	SUPE-EB-2-100423	Total/NA	Water	EPA 8270E LL	448788
MB 180-448704/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	448704
LCS 180-448704/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	448704
180-163450-10 MS	SUPE-W-12CR-100323	Total/NA	Water	EPA 8270E LL	448704

Analysis Batch: 449298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-13	SUPE-W-10AR2-100423	Total/NA	Water	EPA 8270E LL	448788
MB 180-448788/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	448788
LCS 180-448788/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	448788

Prep Batch: 686639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-1	SUPE-W-30C-100323	Total/NA	Water	3510C	
180-163450-2	SUPE-W-06A-100323	Total/NA	Water	3510C	
180-163450-3	SUPE-W-06C-100323	Total/NA	Water	3510C	
180-163450-4	SUPE-EB-1-100323	Total/NA	Water	3510C	
180-163450-5	SUPE-W-12A-100323	Total/NA	Water	3510C	
180-163450-6	SUPE-W-28C-100323	Total/NA	Water	3510C	
180-163450-7	SUPE-W-18D-100323	Total/NA	Water	3510C	
180-163450-8	SUPE-M-99A-100323	Total/NA	Water	3510C	
180-163450-10	SUPE-W-12CR-100323	Total/NA	Water	3510C	
180-163450-11	SUPE-W-30A-100323	Total/NA	Water	3510C	
180-163450-12	SUPE-W-04AR2-100323	Total/NA	Water	3510C	
180-163450-13	SUPE-W-10AR2-100423	Total/NA	Water	3510C	
180-163450-14	SUPE-EB-2-100423	Total/NA	Water	3510C	

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QC Association Summary

Client: Field & Technical Services LLC
 Project/Site: Superior, WI Semiannual Groundwater

Job ID: 180-163450-1

GC/MS Semi VOA (Continued)

Prep Batch: 686639 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-15	SUPE-M-99B-100423	Total/NA	Water	3510C	
MB 480-686639/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-686639/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-686639/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 686733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-1	SUPE-W-30C-100323	Total/NA	Water	8270D LL	686639
180-163450-2	SUPE-W-06A-100323	Total/NA	Water	8270D LL	686639
180-163450-3	SUPE-W-06C-100323	Total/NA	Water	8270D LL	686639
180-163450-4	SUPE-EB-1-100323	Total/NA	Water	8270D LL	686639
180-163450-5	SUPE-W-12A-100323	Total/NA	Water	8270D LL	686639
180-163450-6	SUPE-W-28C-100323	Total/NA	Water	8270D LL	686639
180-163450-7	SUPE-W-18D-100323	Total/NA	Water	8270D LL	686639
180-163450-8	SUPE-M-99A-100323	Total/NA	Water	8270D LL	686639
180-163450-10	SUPE-W-12CR-100323	Total/NA	Water	8270D LL	686639
180-163450-11	SUPE-W-30A-100323	Total/NA	Water	8270D LL	686639
180-163450-12	SUPE-W-04AR2-100323	Total/NA	Water	8270D LL	686639
MB 480-686639/1-A	Method Blank	Total/NA	Water	8270D LL	686639
LCS 480-686639/2-A	Lab Control Sample	Total/NA	Water	8270D LL	686639
LCSD 480-686639/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	686639

Analysis Batch: 686737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-163450-13	SUPE-W-10AR2-100423	Total/NA	Water	8270D LL	686639
180-163450-14	SUPE-EB-2-100423	Total/NA	Water	8270D LL	686639
180-163450-15	SUPE-M-99B-100423	Total/NA	Water	8270D LL	686639



CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 502120



Ref 210311

Project Name: Superior, WI - 2023 OM&M Program Company: Field & Technical Services Client: Beazer East, Inc.
 Project Number: OM-0556-23 Address: 200 Third Avenue Contact: slindquist.2006@fts.com
 Laboratory: TACHI Carmegie, PA 15106
 Shipment Method: FEDEX (412) 279-3363
 Program: Superior 2023 2SA Sampling_001

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					8270D_SVOC (less naphtha) (Chicago)	8270D_SVOC+naphtha (Chicago) (250ml)		
10/03/2023	1033	GW	SUPE-W-28C-100323	2	None	0		
10/03/2023	1143	GW	SUPE-W-18D-100323	2	None	2		
10/03/2023	1200	GW	SUPE-M-99A-100323	2	None	0		
10/03/2023	1200	GW	SUPE-TB-01-100323	0	None	0		
10/03/2023	1332	GW	SUPE-W-12CR-100323	2	None	0		
10/03/2023	1520	GW	SUPE-W-30A-100323	2	None	0		
10/03/2023	1700	GW	SUPE-W-04AR2-100323	2	None	0		



180-163450 Chain of Custody

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
Signature: <i>Shane Lindquist</i> Printed Name: Shane Lindquist Firm: FTS Date/Time: 10/03/2023 2042	Signature: <i>Rachel Oster</i> Printed Name: Rachel Oster Firm: EPITHE Date/Time: 10/15/23 0918	Signature: Printed Name: Firm: Date/Time:	Signature: Printed Name: Firm: Date/Time:	<input type="checkbox"/> Rush <input checked="" type="checkbox"/> Standard





Ref 210311

CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 502119



Project Name: Superior, WI - 2023 OM&M Program Company: Field & Technical Services Client: Beazer East, Inc.
 Project Number: OM-0556-23 Address: 200 Third Avenue Contact: slindquist.2006@fts.com
 Laboratory: TABUF Carnegie, PA 15106
 Shipment Method: FEDEX (412) 279-3363
 Program: Superior 2023 2SA Sampling_001

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					None	HCL		
10/03/2023	1033	GW	SUPE-W-28C-100323		2	3	5	
10/03/2023	1143	GW	SUPE-W-18D-100323		2	0	2	
10/03/2023	1200	GW	SUPE-TB-01-100323		0	3	3	
10/03/2023	1200	GW	SUPE-M-99A-100323		2	3	5	
10/03/2023	1332	GW	SUPE-W-12CR-100323		2	3	5	
10/03/2023	1520	GW	SUPE-W-30A-100323		2	3	5	
10/03/2023	1700	GW	SUPE-W-04AR2-100323		2	3	5	

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
Signature: <i>Shane Lindquist</i>	Signature: <i>Rachel Oster</i>	Signature:	Signature:	<input type="checkbox"/> Rush
Printed Name: Shane Lindquist	Printed Name: Rachel Oster	Printed Name:	Printed Name:	<input checked="" type="checkbox"/> Standard
Firm: FTS	Firm: FTS	Firm:	Firm:	
Date/Time: 10/03/2023 2041	Date/Time: 10/5/23 0910	Date/Time:	Date/Time:	





Ref 210311

CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 502078



Project Name: Superior, WI - 2023 OM&M Program Company: Field & Technical Services Client: Beazer East, Inc.
 Project Number: OM-0556-23 Address: 200 Third Avenue Contact:
 Laboratory: TABUF Carnegie, PA 15106
 Shipment Method: FEDEX (412) 279-3363
 Program: Superior 2023 2SA Sampling_001

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					(Butfalio) (1L)	(Butfalio) HCL		
10/03/2023	1154	GW	SUPE-W-30C-100323		None	HCL	5	
10/03/2023	1347	GW	SUPE-W-06A-100323		2	3	5	
10/03/2023	1520	GW	SUPE-W-06C-100323		2	3	5	
10/03/2023	1545	GW	SUPE-EB-1-100323		2	3	5	
10/03/2023	1656	GW	SUPE-W-12A-100323		2	3	5	

Relinquished by: 	Received by: Signature: Printed Name: Rachel Oster Firm: EPITHE Date/Time: 10/15/23 0910	Relinquished by: Signature: Printed Name: Firm: Date/Time:	Received by: Signature: Printed Name: Firm: Date/Time:	Turnaround Requirements <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Standard
				Date/Time: 10/03/2023 2040





Ref 210311

CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 502080



Project Name: Superior, WI - 2023 OM&M Program Company: Field & Technical Services Client: Beazer East, Inc.
 Project Number: OM-0556-23 Address: 200 Third Avenue Contact:
 Laboratory: TABUF Carnegie, PA 15106
 Shipment Method: FEDEX (412) 279-3363
 Program: Superior 2023 2SA Sampling_001

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:									
					HCL	None											
10/04/2023	0944	GW	SUPE-W-10AR2-100423	8260C_VOA+naphtha (Buffalo)	8270D_LL_PCP (Buffalo) (1L)	None	5										
10/04/2023	0954	GW	SUPE-EB-2-100423	8260C_VOA+naphtha (Buffalo)	8270D_LL_PCP (Buffalo) (1L)	None	5										
10/04/2023	1039	GW	SUPE-M-99B-100423	8260C_VOA+naphtha (Buffalo)	8270D_LL_PCP (Buffalo) (1L)	None	5										

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
Signature: Printed Name: Dakota Vanryn Firm: FTS	Signature: Printed Name: Keelyn Ruck Firm: FTS	Signature: Printed Name: Eli Hark Firm: FTS	Signature: Printed Name: Eli Hark Firm: FTS	<input type="checkbox"/> Rush <input checked="" type="checkbox"/> Standard
Date/Time: 10/04/2023 1158	Date/Time: 10-5-23 0910	Date/Time:	Date/Time:	





Ref 210311

CHAIN OF CUSTODY RECORD/LABORATORY ANALYSIS REQUEST FORM

REF.# 502081



Client: Beazer East, Inc.
Contact: dvanryn.2006@f-ts.com

Company: Field & Technical Services
Address: 200 Third Avenue
Carnegie, PA 15106
(412) 279-3363

Project Name: Superior, WI - 2023 OM&M Program
Project Number: OM-0556-23
Laboratory: TACHI
Shipment Method: FEDEX
Program: Superior 2023 2SA Sampling_001

Sample Date	Sample Time	Matrix	Sample Identification	Analysis	Preservative		Total Bottle Count	Notes:
					None	8270D_SVOC (less naphtha) (Chicago)		
10/04/2023	0944	GW	SUPE-W-10AR2-100423			2		
10/04/2023	0954	GW	SUPE-EB-2-100423			2		
10/04/2023	1039	GW	SUPE-M-99B-100423			2		

Relinquished by:	Received by:	Relinquished by:	Received by:	Turnaround Requirements
		Signature:	Signature:	<input type="checkbox"/> Rush
Printed Name: Dakota Vanryn	Printed Name: Keelys Rush	Printed Name:	Printed Name:	<input checked="" type="checkbox"/> Standard
Firm: FTS	Firm: FTS	Firm:	Firm:	
Date/Time: 10/04/2023 1158	Date/Time: 10-3-23 0910	Date/Time:	Date/Time:	



Login Sample Receipt Checklist

Client: Field & Technical Services LLC

Job Number: 180-163450-1

Login Number: 163450

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Field & Technical Services LLC

Job Number: 180-163450-1

Login Number: 163450

List Number: 2

Creator: Kolb, Chris M

List Source: Eurofins Buffalo

List Creation: 10/06/23 05:05 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 2.1 2.4 ir gun #1 ice
COC is present.	False	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



APPENDIX F

ASCII DATA

