FTS
Field & Technical Services
200 Third Avenue • Carnegie, PA 15106 • Phone: 412-429-2694 • Fax: 412-279-4512

November 7, 2024

Mr. John Sager
Wisconsin Department of Natural Resources
1701 N. 4th Street
Superior, WI 54880
Email: John.Sager@wisconsin.gov

RE: Second Semi-Annual 2024 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 2024 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 2024 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 1, 2024 through October 2, 2024. The sampling effort was led by Mr. Carter Auch, 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, W-30A
Benzo(a)pyrene	0.2	W-28C
Benzo(b)fluoranthene	0.2	W-28C
Chrysene	0.2	W-28C
PAL Exceedance		
Benzene	0.5	W-10AR2, W-30A
Benzo(a)pyrene	0.02	W-28C
Benzo(b)fluoranthene	0.02	W-28C
Chrysene	0.02	W-04AR2, W-28C, W-30A

Based on these results, four wells (W-04AR2, W-10AR2, W-28C, and W-30A) 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 2024 sampling event exceeded the Wisconsin PALs and ESs.

The data evaluation performed by FTS for the second semi-annual 2024 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 2024 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 Manager
agatchie@f-ts.com

Attachments

cc:

J. Patarcity – Beazer	jane.patarcity@trmi.biz
B. Tatsch – Koppers	TatschRS@koppers.com
D. Bessingpas – ARCADIS	David.Bessingpas@arcadis.com
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GEMS Database – WDNR	Mike.Solomon@wisconsin.gov
T. Peterson – TRP Properties, LLC	terry@omahatrack.com

APPENDIX A

GROUNDWATER MONITORING DATA CERTIFICATION

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats.
When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
  Bureau of Waste Management
  Wisconsin Department of Natural Resources
  101 South Webster Street
  Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Field & Technical Services, LLC

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Angela Gatchie Phone: (412) 428-9411

E-mail: agatchie@f-ts.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Former Koppers, Inc. Facility	03046		October 1-2, 2024

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

October 2024

Type of Data Submitted (Check all that apply)

- [X] Groundwater monitoring data from monitoring wells
- [ ] Groundwater monitoring data from private water supply wells
- [ ] Leachate monitoring data
- [ ] Gas monitoring data
- [ ] Air monitoring data
- [ ] Other (specify)

Notification attached?

- [ ] No. No groundwater standards or explosive gas limits were exceeded.
- [X] Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- [ ] Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Jane Patarcity	Manager, Environmental Svcs.	(412) 208-8813
Facility Representative Name (Print)	Title	(Area Code) Telephone No.

November 7, 2024

Signature Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

- [ ] **Found uploading problems on** _____ **Initials**
- [ ] **Notified contact of problems on** _____ **Uploaded data successfully on** _____

EDD format(s): [ ] **Diskette** [ ] **CD (initial submittal and follow-up)** [ ] **E-mail (follow-up only)** [ ] **Other**

APPENDIX B

WELL LOCATION MAP

N

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

W-05CR
W-02C
W-31C
W-12A
W-09C
W-12CR
W-29A
DESIGN MANAGEMENT ZONE
W-10AR2
W-30A
W-30C
CLOSED RCRA SURFACE IMPOUNDMENTS
W-08A
W-38A
W-04AR2
W-21B
W-21A
W-39A
W-06A
W-06C
W-26B
W-32C
W-25A
W-37A
W-26A
W-11A
W-36A
W-40A
W-28C
W-14A
W-14B
W-34D
W-20AR
W-33D
W-16AR
FORMER CONTAINER STORAGE FACILITY
CONCRETE BERM
W-19C
W-19A
OFFICE
GATE
W-35A
W-18D
COUNTY ROAD A
COUNTY ROAD Z
RAMROD AVENUE
FLOW
SHOP

0 300 600 FEET

BEAZER EAST, INC.
PITTSBURGH, PENNSYLVANIA

DRWN: KLC	DATE: 04/24/24	FIELD & TECHNICAL SERVICES, LLC 200 THIRD AVENUE CARNEGIE, PA 15106	
CHKD: AMG	DATE: 04/24/24		
APPD: JSZ	DATE: 05/15/24		
SCALE: AS SHOWN			
ISSUE DATE:			

FORMER KOPPERS INC. FACILITY
SUPERIOR, WISCONSIN

WELL LOCATIONS

PROJECT NO: OM055624
DRAWING NUMBER
FIGURE B-1

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: WISCONSIN STATE PLANE COORDINATE SYSTEM.

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APPENDIX C

TABLES

Table C-1
Summary of Detected Constituents
Second Semi-Annual 2024 Sampling Event
Superior Facility
Superior, Wisconsin

Location	Parameter	Results ug/L	PAL ug/L	ES ug/L
8270E LL				
W-10AR2	1-Methylnaphthalene	10	NA	NA
W-18D	1-Methylnaphthalene	0.064 J	NA	NA
W-28C	1-Methylnaphthalene	0.2 J	NA	NA
W-30A	1-Methylnaphthalene	6.6	NA	NA
W-12A	2-Methylnaphthalene	0.068 J	NA	NA
W-28C	2-Methylnaphthalene	0.2 J	NA	NA
W-10AR2	Acenaphthene	43	NA	NA
W-12A	Acenaphthene	0.36 J+	NA	NA
W-28C	Acenaphthene	1.6 J+	NA	NA
W-30A	Acenaphthene	29	NA	NA
W-10AR2	Acenaphthylene	0.74	NA	NA
W-28C	Acenaphthylene	0.081 J	NA	NA
W-30A	Acenaphthylene	0.59	NA	NA
W-04AR2	Anthracene	1.2	600	3000
W-10AR2	Anthracene	0.49 J+	600	3000
W-12A	Anthracene	0.2 J+	600	3000
W-28C	Anthracene	1.3 J	600	3000
W-30A	Anthracene	0.84 J+	600	3000
W-06A	Benzo(a)anthracene	0.096 J	NA	NA
W-12A	Benzo(a)anthracene	0.089 J	NA	NA
W-28C	Benzo(a)anthracene	0.81 J	NA	NA
W-30A	Benzo(a)anthracene	0.1 J	NA	NA
W-28C	Benzo(a)pyrene	0.25 J	0.02	0.2
W-28C	Benzo(b)fluoranthene	0.44 J	0.02	0.2
W-28C	Benzo(g,h,i)perylene	0.15 J	NA	NA
W-28C	Benzo(k)fluoranthene	0.25 J	NA	NA
W-04AR2	Chrysene	0.11 J	0.02	0.2
W-28C	Chrysene	0.9 J	0.02	0.2
W-30A	Chrysene	0.097 J	0.02	0.2
W-10AR2	Dibenzofuran	10	NA	NA
W-12A	Dibenzofuran	0.21 J	NA	NA
W-28C	Dibenzofuran	0.84 J	NA	NA
W-30A	Dibenzofuran	12	NA	NA
W-06A	Fluoranthene	1 J+	80	400
W-10AR2	Fluoranthene	1.7 J+	80	400
W-12A	Fluoranthene	0.72 J+	80	400
W-18D	Fluoranthene	0.38 J+	80	400
W-28C	Fluoranthene	4.6 J	80	400
W-30A	Fluoranthene	1.4 J+	80	400
W-06A	Fluorene	0.39 J+	80	400
W-10AR2	Fluorene	11	80	400
W-12A	Fluorene	0.38 J+	80	400
W-28C	Fluorene	0.97 J+	80	400
W-30A	Fluorene	7.9	80	400
W-28C	Indeno(1,2,3-cd)pyrene	0.11 J	NA	NA
W-06A	Phenanthrene	1.6 J+	NA	NA
W-12A	Phenanthrene	1.4 J+	NA	NA
W-18D	Phenanthrene	0.66 J+	NA	NA
W-28C	Phenanthrene	1.6 J+	NA	NA
W-30A	Phenanthrene	1.3 J+	NA	NA
W-10AR2	Phenol	1.5	400	2000
W-28C	Phenol	1.3 J	400	2000
W-30A	Phenol	1.6	400	2000
W-04AR2	Pyrene	0.23 J+	50	250
W-06A	Pyrene	0.51 J+	50	250
W-10AR2	Pyrene	0.94 J+	50	250
W-12A	Pyrene	0.47 J+	50	250
W-28C	Pyrene	3.2 J	50	250
W-30A	Pyrene	0.81 J+	50	250

Table C-1
Summary of Detected Constituents
Second Semi-Annual 2024 Sampling Event
Superior Facility
Superior, Wisconsin

Location	Parameter	Results ug/L	PAL ug/L	ES ug/L
8260C				
W-10AR2	1,2,4-Trimethylbenzene	8.3	96*	480*
W-30A	1,2,4-Trimethylbenzene	2.6	96*	480*
W-10AR2	Benzene	21	0.5	5
W-30A	Benzene	8.1	0.5	5
W-10AR2	Ethylbenzene	40	140	700
W-30A	Ethylbenzene	14	140	700
W-10AR2	Naphthalene	2.8	10	100
W-30A	Naphthalene	5.8	10	100
W-10AR2	Toluene	2.1	160	800
W-30A	Toluene	1.3 J	160	800
W-10AR2	Xylene, Meta & Para	3.4	400**	2000**
W-30A	Xylene, Meta & Para	2.3 J	400**	2000**
W-10AR2	Xylene, Ortho	13	400**	2000**
W-30A	Xylene, Ortho	3	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 2024 Groundwater Data
Second Semi-Annual 2024 Sampling Event
Superior Facility
Superior, Wisconsin

ANALYTE NAME	UNITS	W-04AR2 10/2/2024	W-06A 10/2/2024	W-06C 10/2/2024	W-06C-DUP 10/2/2024	W-10AR2 10/2/2024	W-12A 10/2/2024	W-12CR 10/2/2024	W-18D 10/2/2024	W-28C 10/2/2024	W-30A 10/2/2024	W-30C 10/2/2024	Equipment Blank 10/2/2024	Trip Blank 10/2/2024
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	NA	0.82 U	1.6 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	0.75 U	**8.3**	0.75 U	0.75 U	NA	0.75 U	**2.6**	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	NA	0.77 U	1.5 U	0.77 U	0.77 U	0.77 U
BENZENE	UG/L	0.41 U	0.41 U	0.41 U	0.41 U	**21**	0.41 U	0.41 U	NA	0.41 U	**8.1**	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	NA	0.35 U	0.7 U	0.35 U	0.35 U	0.35 U
ETHYLBENZENE	UG/L	0.74 U	0.74 U	0.74 U	0.74 U	**40**	0.74 U	0.74 U	NA	0.74 U	**14**	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	NA	0.16 U	0.32 U	0.16 U	0.16 U	0.16 U
NAPHTHALENE	UG/L	0.43 U	0.43 U	0.43 U	0.43 U	**2.8**	0.43 U	0.43 U	NA	0.43 U	**5.8**	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	NA	0.64 U	1.3 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	NA	0.69 U	1.4 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	NA	0.73 U	1.5 U	0.73 U	0.73 U	0.73 U
TOLUENE	UG/L	0.51 U	0.51 U	0.51 U	0.51 U	**2.1**	0.51 U	0.51 U	NA	0.51 U	**1.3 J**	0.51 U	0.51 U	0.51 U
XYLENE, META & PARA	UG/L	0.66 U	0.66 U	0.66 U	0.66 U	**3.4**	0.66 U	0.66 U	NA	0.66 U	**2.3 J**	0.66 U	0.66 U	0.66 U
O-XYLENE	UG/L	0.76 U	0.76 U	0.76 U	0.76 U	**13**	0.76 U	0.76 U	NA	0.76 U	**3**	0.76 U	0.76 U	0.76 U
8270E LL														
1,2,4-TRICHLOROBENZENE	UG/L	0.28 U	0.27 U	0.25 U	0.25 U	0.25 U	0.25 U	0.24 U	0.27 U	0.25 UJ	0.24 U	0.24 U	0.24 U	NA
1,2-DICHLOROBENZENE	UG/L	0.24 U	0.23 U	0.22 U	0.22 U	0.22 U	0.22 U	0.21 U	0.23 U	0.22 UJ	0.21 U	0.21 U	0.21 U	NA
1,3-DICHLOROBENZENE	UG/L	0.24 U	0.23 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 UJ	0.22 U	0.22 U	0.22 U	NA
1,4-DICHLOROBENZENE	UG/L	0.27 U	0.26 U	0.25 U	0.25 U	0.25 U	0.25 U	0.24 U	0.26 U	0.25 UJ	0.24 U	0.24 U	0.24 U	NA
1-METHYLNAPHTHALENE	UG/L	0.064 U	0.061 U	0.058 U	0.058 U	**10**	0.058 U	0.056 U	**0.064 J**	**0.2 J**	**6.6**	0.056 U	0.056 U	NA
2,3,4,6-TETRACHLOROPHENOL	UG/L	0.37 U	0.35 U	0.34 U	0.34 U	0.34 U	0.34 U	0.33 U	0.35 U	0.34 UJ	0.33 U	0.33 U	0.33 U	NA
2,3,5,6-TETRACHLOROPHENOL	UG/L	0.58 U	0.55 U	0.53 U	0.53 U	0.53 U	0.53 U	0.51 U	0.55 U	0.53 U	0.51 U	0.51 U	0.51 U	NA
2,4,5-TRICHLOROPHENOL	UG/L	0.29 U	0.27 U	0.26 U	0.26 U	0.26 U	0.26 U	0.25 U	0.27 U	0.26 UJ	0.25 U	0.25 U	0.25 U	NA
2,4,6-TRICHLOROPHENOL	UG/L	0.25 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U	0.24 U	0.23 UJ	0.22 U	0.22 U	0.22 U	NA
2,4-DICHLOROPHENOL	UG/L	0.058 U	0.055 U	0.053 U	0.053 U	0.053 U	0.053 U	0.051 U	0.055 U	0.053 UJ	0.051 U	0.051 U	0.051 U	NA
2,4-DIMETHYLPHENOL	UG/L	0.66 U	0.64 U	0.61 U	0.61 U	0.61 U	0.61 U	0.59 U	0.64 U	0.61 UJ	0.59 U	0.59 U	0.59 U	NA
2,4-DINITROPHENOL	UG/L	3.7 U	3.5 U	3.4 U	3.4 U	3.4 U	3.4 U	3.3 U	3.5 U	3.4 UJ	3.3 U	3.3 U	3.3 U	NA
2,4-DINITROTOLUENE	UG/L	0.4 U	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.35 U	0.38 U	0.37 UJ	0.35 U	0.35 U	0.35 U	NA
2,6-DINITROTOLUENE	UG/L	0.2 U	0.19 U	0.18 U	0.18 U	0.18 U	0.18 U	0.17 U	0.19 U	0.18 UJ	0.17 U	0.17 U	0.17 U	NA
2-CHLORONAPHTHALENE	UG/L	0.067 U	0.064 U	0.061 U	0.061 U	0.061 U	0.061 U	0.059 U	0.064 U	0.061 UJ	0.059 U	0.059 U	0.059 U	NA
2-CHLOROPHENOL	UG/L	0.26 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.24 U	0.23 UJ	0.23 U	0.23 U	0.23 U	NA
2-METHYLNAPHTHALENE	UG/L	0.07 U	0.067 U	0.065 U	0.065 U	0.065 U	**0.068 J**	0.062 U	0.067 U	**0.2 J**	0.062 U	0.062 U	0.062 U	NA
2-METHYLPHENOL	UG/L	0.63 U	0.61 U	0.58 U	0.58 U	0.58 U	0.58 U	0.56 U	0.61 U	0.58 UJ	0.56 U	0.56 U	0.56 U	NA
2-NITROANILINE	UG/L	0.62 U	0.6 U	0.57 U	0.57 U	0.57 U	0.57 U	0.55 U	0.6 U	0.57 UJ	0.55 U	0.55 U	0.55 U	NA
2-NITROPHENOL	UG/L	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.21 U	0.2 UJ	0.19 U	0.19 U	0.19 U	NA
3,3'-DICHLOROBENZIDINE	UG/L	0.66 U	0.63 U	0.61 U	0.61 U	0.61 U	0.61 U	0.58 U	0.63 U	0.61 UJ	0.58 U	0.58 U	0.58 U	NA
3-NITROANILINE	UG/L	0.5 U	0.48 U	0.46 U	0.46 U	0.46 U	0.46 U	0.44 U	0.48 U	0.46 UJ	0.44 U	0.44 U	0.44 U	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1.7 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 UJ	1.5 U	1.5 U	1.5 U	NA
4-BROMOPHENYL PHENYLETHER	UG/L	0.36 U	0.35 U	0.33 U	0.33 U	0.33 U	0.33 U	0.32 U	0.35 U	0.33 UJ	0.32 U	0.32 U	0.32 U	NA

Table C-2
Analytical Summary - Second Semi-Annual 2024 Groundwater Data
Second Semi-Annual 2024 Sampling Event
Superior Facility
Superior, Wisconsin

ANALYTE NAME	UNITS	W-04AR2 10/2/2024	W-06A 10/2/2024	W-06C 10/2/2024	W-06C-DUP 10/2/2024	W-10AR2 10/2/2024	W-12A 10/2/2024	W-12CR 10/2/2024	W-18D 10/2/2024	W-28C 10/2/2024	W-30A 10/2/2024	W-30C 10/2/2024	Equipment Blank 10/2/2024	Trip Blank 10/2/2024
4-CHLORO-3-METHYLPHENOL	UG/L	0.49 U	0.47 U	0.45 U	0.45 U	0.45 U	0.45 U	0.44 U	0.47 U	0.45 UJ	0.44 U	0.44 U	0.44 U	NA
4-CHLOROANILINE	UG/L	0.43 U	0.41 U	0.39 U	0.39 U	0.39 U	0.39 U	0.38 U	0.41 U	0.39 UJ	0.38 U	0.38 U	0.38 U	NA
4-CHLOROPHENYLPHENYL-ETHER	UG/L	0.25 U	0.24 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U	0.24 U	0.23 UJ	0.22 U	0.22 U	0.22 U	NA
4-METHYLPHENOL	UG/L	0.42 U	0.4 U	0.39 U	0.39 U	0.39 U	0.39 U	0.37 U	0.4 U	0.39 UJ	0.37 U	0.37 U	0.37 U	NA
4-NITROANILINE	UG/L	0.41 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U	0.36 U	0.39 U	0.38 UJ	0.36 U	0.36 U	0.36 U	NA
4-NITROPHENOL	UG/L	1.1 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.94 U	1 U	0.98 U	0.94 U	0.94 U	0.94 U	NA
ACENAPHTHENE	UG/L	0.22 U	0.21 U	0.2 U	0.2 U	**43**	**0.36 J+**	0.065 U	0.22 U	**1.6 J+**	**29**	0.065 U	**0.26**	NA
ACENAPHTHYLENE	UG/L	0.074 U	0.071 U	0.068 U	0.068 U	**0.74**	0.068 U	0.065 U	0.071 U	**0.081 J**	**0.59**	0.065 U	0.065 U	NA
ANTHRACENE	UG/L	**1.2**	0.21 U	0.051 U	0.051 U	**0.49 J+**	**0.2 J+**	0.19 U	0.21 U	**1.3 J**	**0.84 J+**	0.049 U	**0.092 J**	NA
BENZO (A) ANTHRACENE	UG/L	0.085 U	**0.096 J**	0.078 U	0.078 U	0.078 U	**0.089 J**	0.075 U	0.082 U	**0.81 J**	**0.1 J**	0.075 U	0.075 U	NA
BENZO (A) PYRENE	UG/L	0.06 U	0.058 U	0.055 U	0.055 U	0.055 U	0.055 U	0.053 U	0.058 U	**0.25 J**	0.053 U	0.053 U	0.053 U	NA
BENZO (B) FLUORANTHENE	UG/L	0.11 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.097 U	0.11 U	**0.44 J**	0.097 U	0.097 U	0.097 U	NA
BENZO (G,H,I) PERYLENE	UG/L	0.078 U	0.075 U	0.072 U	0.072 U	0.072 U	0.072 U	0.069 U	0.075 U	**0.15 J**	0.069 U	0.069 U	0.069 U	NA
BENZO (K) FLUORANTHENE	UG/L	0.1 U	0.096 U	0.092 U	0.092 U	0.092 U	0.092 U	0.088 U	0.096 U	**0.25 J**	0.088 U	0.088 U	0.088 U	NA
BENZOIC ACID	UG/L	2.9 U	2.8 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.8 U	2.6 UJ	2.5 U	2.5 U	2.5 U	NA
BENZYL ALCOHOL	UG/L	1.9 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 UJ	1.7 U	1.7 U	1.7 U	NA
BIS (2-CHLOROETHOXY)- METHANE	UG/L	0.17 U	0.17 U	0.16 U	0.16 U	0.16 U	0.16 U	0.15 U	0.17 U	0.16 UJ	0.15 U	0.15 U	0.15 U	NA
BIS (2-CHLOROETHYL) ETHER	UG/L	0.045 U	0.043 U	0.042 U	0.042 U	0.042 U	0.042 U	0.04 U	0.043 U	0.042 UJ	0.04 U	0.04 U	0.04 U	NA
BIS (2-CHLOROISOPROPYL)-ETHER	UG/L	0.066 U	0.063 U	0.06 U	0.06 U	0.06 U	0.06 U	0.058 U	0.063 U	0.06 U	0.058 U	0.058 U	0.058 U	NA
BIS (2-ETHYLHEXYL)- PHTHALATE	UG/L	7.1 U	6.8 U	6.5 U	6.5 U	6.5 U	6.5 U	6.2 U	6.8 U	6.5 UJ	6.2 U	6.2 U	6.2 U	NA
BUTYL BENZYL PHTHALATE	UG/L	1.1 U	1 U	0.98 U	0.98 U	0.98 U	0.98 U	0.94 U	1 U	0.98 UJ	0.94 U	0.94 U	0.94 U	NA
CHRYSENE	UG/L	**0.11 J**	0.088 U	0.084 U	0.084 U	0.084 U	0.084 U	0.081 U	0.088 U	**0.9 J**	**0.097 J**	0.081 U	0.081 U	NA
DIBENZO (A,H) ANTHRACENE	UG/L	0.082 U	0.078 U	0.075 U	0.075 U	0.075 U	0.075 U	0.072 U	0.078 U	0.075 UJ	0.072 U	0.072 U	0.072 U	NA
DIBENZOFURAN	UG/L	0.22 U	0.21 U	0.2 U	0.2 U	**10**	**0.21 J**	0.19 U	0.21 U	**0.84 J**	**12**	0.19 U	0.19 U	NA
DIETHYLPHTHALATE	UG/L	0.64 U	0.62 U	0.59 U	0.59 U	0.59 U	0.59 U	0.57 U	0.62 U	0.59 UJ	0.57 U	0.57 U	0.57 U	NA
DIMETHYLPHTHALATE	UG/L	0.23 U	0.22 U	0.21 U	0.21 U	0.21 U	0.21 U	0.2 U	0.22 U	0.21 UJ	0.2 U	0.2 U	0.2 U	NA
DI-N-BUTYLPHTHALATE	UG/L	5.6 U	5.3 U	5.1 U	5.1 U	5.1 U	5.1 U	4.9 U	5.3 U	5.1 UJ	4.9 U	4.9 U	4.9 U	NA
DI-N-OCTYLPHTHALATE	UG/L	0.78 U	0.74 U	0.71 U	0.71 U	0.71 U	0.71 U	0.69 U	0.74 U	0.71 UJ	0.69 U	0.69 U	0.69 U	NA
FLUORANTHENE	UG/L	0.31 U	**1 J+**	0.24 U	0.24 U	**1.7 J+**	**0.72 J+**	0.06 U	**0.38 J+**	**4.6 J**	**1.4 J+**	0.06 U	**0.32**	NA
FLUORENE	UG/L	0.078 U	**0.39 J+**	0.072 U	0.072 U	**11**	**0.38 J+**	0.069 U	0.075 U	**0.97 J+**	**7.9**	0.069 U	**0.16 J**	NA
HEXACHLOROBENZENE	UG/L	0.064 U	0.061 U	0.058 U	0.058 U	0.058 U	0.058 U	0.056 U	0.061 U	0.058 UJ	0.056 U	0.056 U	0.056 U	NA
HEXACHLOROBUTADIENE	UG/L	0.078 U	0.075 U	0.072 U	0.072 U	0.072 U	0.072 U	0.069 U	0.075 U	0.072 UJ	0.069 U	0.069 U	0.069 U	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	0.56 U	0.54 U	0.52 U	0.52 U	0.52 U	0.52 U	0.5 U	0.54 U	0.52 UJ	0.5 U	0.5 U	0.5 U	NA
HEXACHLOROETHANE	UG/L	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.13 U	0.14 U	0.14 UJ	0.13 U	0.13 U	0.13 U	NA
INDENO (1,2,3-CD) PYRENE	UG/L	0.097 U	0.092 U	0.089 U	0.089 U	0.089 U	0.089 U	0.085 U	0.092 U	**0.11 J**	0.085 U	0.085 U	0.085 U	NA
ISOPHORONE	UG/L	0.21 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 UJ	0.19 U	0.19 U	0.19 U	NA
NAPHTHALENE	UG/L	NA	NA	NA	NA	NA	NA	NA	0.064 U	NA	NA	NA	NA	NA
NITROBENZENE	UG/L	0.57 U	0.54 U	0.52 U	0.52 U	0.52 U	0.52 U	0.5 U	0.54 U	0.52 UJ	0.5 U	0.5 U	0.5 U	NA
N-NITROSODI-N-PROPYLAMINE	UG/L	0.081 U	0.077 U	0.074 U	0.074 U	0.074 U	0.074 U	0.071 U	0.077 U	0.074 UJ	0.071 U	0.071 U	0.071 U	NA
N-NITROSO-DI-PHENYLAMINE	UG/L	0.14 U	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 UJ	0.12 U	0.12 U	0.12 U	NA
PENTACHLOROPHENOL	UG/L	0.96 U	0.92 U	0.88 U	0.88 U	0.88 U	0.88 U	0.85 U	0.92 U	0.88 UJ	0.85 U	0.85 U	0.85 U	NA
PHENANTHRENE	UG/L	0.24 U	**1.6 J+**	0.16 U	0.16 U	0.16 U	**1.4 J+**	0.16 U	**0.66 J+**	**1.6 J+**	**1.3 J+**	0.16 U	**0.59**	NA
PHENOL	UG/L	0.55 U	0.53 U	0.51 U	0.51 U	**1.5**	0.51 U	0.49 U	0.53 U	**1.3 J**	**1.6**	0.49 U	0.49 U	NA
PYRENE	UG/L	**0.23 J+**	**0.51 J+**	0.2 U	0.2 U	**0.94 J+**	**0.47 J+**	0.054 U	0.22 U	**3.2 J**	**0.81 J+**	0.054 U	**0.23**	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 22, 2024

FROM: Kendra Chintella

SUBJECT: Superior Groundwater

SAMPLE DELIVERY GROUP (SDG): 180-180837-1

SAMPLES: SUPE-W-28C-100224, SUPE-W-12A-100224, SUPE-W-12CR-100224, SUPE-W-06A-100224, SUPE-W-30A-100224, SUPE-W-30C-100224, SUPE-W-06C-100224, SUPE-W-10AR2-100224, SUPE-M-99-100224 (W-06C), SUPE-W-18D-100224, SUPE-W-04AR2-100224, SUPE-EB-100224, TRIP BLANK

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

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:

Blank ID	Compounds	Blank Result (ug/L)	Qualification	Sample Locations
SUPE-EB-100224`	Acenaphthene	0.26	"U" at the RL	W-06A W-06C M-99 W-04AR2
			U	W-18D
			J+	W-28C W-12A
	Anthracene	0.092 J	"U" at the RL	W-12CR W-06A W-18D
			J+	W-12A W-30A W-10AR2
	Fluoranthene	0.32	U	W-06C M-99 W-04AR2

SUPE-EB-100224`	Fluoranthene	0.32	J+	W-12A W-06A W-30A W-10AR2 W-18D
	Fluorene	0.16 J	J+	W-28C W-12A W-06A
	Phenanthrene	0.59	U	W-04AR2
			J+	W-28C W-12A W-06A W-30A W-18D
	Pyrene	0.23	"U" at the RL	W-06C M-99
			U	W-18D
			J+	W-12A W-06A W-30A W-10AR2 W-04AR2

□ Field Duplicate Precision
Noncompliance:

FIELD DUPLICATE PRECISION					
ANALYTE	W-06C	QUAL	M-99	QUAL	RPD
Acenaphthene	0.098	J	0.11	J	11.54
Fluoranthene	0.24		0.24		0.00
Pyrene	0.16	J	0.16	J	0.00

□ Surrogate Recoveries
Noncompliance: None

□ Laboratory Control Sample
Noncompliance:

LCS ID	Compounds	Recovery	Qualification	Sample Locations
LCS 180-481417/2-A	2,4-Dimethylphenol	Above	None	None

□ Matrix Spike/Matrix Spike Duplicate Sample
Noncompliance:

MS/MSD Sample	Compounds	Recovery	Qualification
W-28C	Several SVOCs	MS and/or MSD Below	J/UJ
		RPD Above	J

APPENDIX E

LABORATORY ANALYTICAL DATA

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/17/2024 9:29:54 AM

JOB DESCRIPTION

Superior, WI Semiannual Groundwater

JOB NUMBER

180-180837-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

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

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Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job Narrative
180-180837-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 10/4/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.3°C and 2.8°C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). No analysis selected for this sample.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SUPE-W-30A-100224 (180-180837-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-727470 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SUPE-W-28C-100224 (180-180837-1), SUPE-W-12A-100224 (180-180837-2), SUPE-W-12CR-100224 (180-180837-3), SUPE-W-06A-100224 (180-180837-4), SUPE-W-30A-100224 (180-180837-5), SUPE-W-30C-100224 (180-180837-6), SUPE-W-06C-100224 (180-180837-7), SUPE-W-10AR2-100224 (180-180837-8), SUPE-M-99-100224 (180-180837-9), SUPE-W-04AR2-100224 (180-180837-11), SUPE-EB-100224 (180-180837-12) and TRIP BLANK (180-180837-13).

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: The continuing calibration verification (CCV) associated with batch 180-481792 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 180-481792/3).

Method 8270E_LL: The laboratory control sample (LCS) for preparation batch 180-481417 and analytical batch 180-481792 recovered outside control limits for the following analyte: 2,4-Dimethylphenol. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E_LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 180-481417 and analytical batch 180-481792 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270E_LL: The continuing calibration verification (CCV) analyzed in 180-481884 was outside the method criteria for the following analyte(s): 4-Nitroaniline and Caprolactam. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E_LL: The continuing calibration verification (CCV) associated with batch 180-481884 recovered outside acceptance criteria, low biased, for 2,2'-oxybis[1-chloropropane]. 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.

Method 8270E_LL: The following sample was diluted to bring the concentration of target analytes within the calibration range:

Job ID: 180-180837-1 (Continued)

SUPE-W-10AR2-100224 (180-180837-8). Elevated reporting limits (RLs) are provided.

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
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-25

Sample Summary

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-180837-1	SUPE-W-28C-100224	Water	10/02/24 09:01	10/04/24 09:00
180-180837-2	SUPE-W-12A-100224	Water	10/02/24 10:59	10/04/24 09:00
180-180837-3	SUPE-W-12CR-100224	Water	10/02/24 11:26	10/04/24 09:00
180-180837-4	SUPE-W-06A-100224	Water	10/02/24 12:02	10/04/24 09:00
180-180837-5	SUPE-W-30A-100224	Water	10/02/24 12:58	10/04/24 09:00
180-180837-6	SUPE-W-30C-100224	Water	10/02/24 13:20	10/04/24 09:00
180-180837-7	SUPE-W-06C-100224	Water	10/02/24 14:08	10/04/24 09:00
180-180837-8	SUPE-W-10AR2-100224	Water	10/02/24 15:10	10/04/24 09:00
180-180837-9	SUPE-M-99-100224	Water	10/02/24 15:21	10/04/24 09:00
180-180837-10	SUPE-W-18D-100224	Water	10/02/24 16:18	10/04/24 09:00
180-180837-11	SUPE-W-04AR2-100224	Water	10/02/24 17:30	10/04/24 09:00
180-180837-12	SUPE-EB-100224	Water	10/02/24 17:45	10/04/24 09:00
180-180837-13	TRIP BLANK	Water	10/02/24 00:00	10/04/24 09:00

Method Summary

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
EPA 8270E LL	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
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: 180-180837-1

Client Sample ID: SUPE-W-28C-100224
Lab Sample ID: 180-180837-1
Date Collected: 10/02/24 09:01
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 02:20	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			240 mL	250 uL	481417	10/09/24 14:20	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 15:43	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-12A-100224
Lab Sample ID: 180-180837-2
Date Collected: 10/02/24 10:59
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 02:45	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			240 mL	250 uL	481417	10/09/24 14:20	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 16:50	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-12CR-100224
Lab Sample ID: 180-180837-3
Date Collected: 10/02/24 11:26
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 03:09	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			250 mL	250 uL	481417	10/09/24 14:20	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 17:12	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-06A-100224
Lab Sample ID: 180-180837-4
Date Collected: 10/02/24 12:02
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 03:33	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			230 mL	250 uL	481417	10/09/24 14:20	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 17:35	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-30A-100224
Lab Sample ID: 180-180837-5
Date Collected: 10/02/24 12:58
Matrix: Water
Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	5 mL	5 mL	727470	10/09/24 03:57	ERS	EET BUF
	Instrument ID: HP5977L									

Lab Chronicle

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-30A-100224
Lab Sample ID: 180-180837-5
Date Collected: 10/02/24 12:58
Matrix: Water
Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	250 uL	481417	10/09/24 14:20	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 17:57	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-30C-100224
Lab Sample ID: 180-180837-6
Date Collected: 10/02/24 13:20
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 04:22	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			250 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 18:20	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-06C-100224
Lab Sample ID: 180-180837-7
Date Collected: 10/02/24 14:08
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 04:46	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			240 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 18:42	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-10AR2-100224
Lab Sample ID: 180-180837-8
Date Collected: 10/02/24 15:10
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 05:11	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C	DL		240 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL	DL	4	1 mL	1 mL	481884	10/16/24 15:56	VVP	EET PIT
	Instrument ID: CH731									
Total/NA	Prep	3520C			240 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 19:04	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-M-99-100224
Lab Sample ID: 180-180837-9
Date Collected: 10/02/24 15:21
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 05:35	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			240 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 19:27	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-18D-100224
Lab Sample ID: 180-180837-10
Date Collected: 10/02/24 16:18
Matrix: Water
Date Received: 10/04/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			230 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 19:49	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-W-04AR2-100224
Lab Sample ID: 180-180837-11
Date Collected: 10/02/24 17:30
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 05:59	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			220 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 20:11	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: SUPE-EB-100224
Lab Sample ID: 180-180837-12
Date Collected: 10/02/24 17:45
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 06:24	ERS	EET BUF
	Instrument ID: HP5977L									
Total/NA	Prep	3520C			250 mL	250 uL	481417	10/09/24 14:23	BJT	EET PIT
Total/NA	Analysis	EPA 8270E LL		1	1 mL	1 mL	481792	10/15/24 20:34	VVP	EET PIT
	Instrument ID: CHMSD7									

Client Sample ID: TRIP BLANK
Lab Sample ID: 180-180837-13
Date Collected: 10/02/24 00:00
Matrix: Water
Date Received: 10/04/24 09:00

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	727470	10/09/24 06:48	ERS	EET BUF
	Instrument ID: HP5977L									

Lab Chronicle

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

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: Analysis
  - ERS = Ray Santillano

Lab: EET PIT
- Batch Type: Prep
  - BJT = Bill Trout
- Batch Type: Analysis
  - VVP = Vincent Piccolino

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-28C-100224
Lab Sample ID: 180-180837-1
Date Collected: 10/02/24 09:01
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 02:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 02:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 02:20	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 02:20	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 02:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 02:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 02:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 02:20	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 02:20	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 02:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 02:20	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 02:20	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 02:20	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 02:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/09/24 02:20*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/09/24 02:20*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/09/24 02:20*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/24 02:20*	*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 F2	1.0	0.25	ug/L		10/09/24 14:20	10/15/24 15:43	1
1,2-Dichlorobenzene	ND	F1 F2	1.0	0.22	ug/L		10/09/24 14:20	10/15/24 15:43	1
1,3-Dichlorobenzene	ND	F1 F2	1.0	0.22	ug/L		10/09/24 14:20	10/15/24 15:43	1
1,4-Dichlorobenzene	ND	F1 F2	1.0	0.25	ug/L		10/09/24 14:20	10/15/24 15:43	1
1-Methylnaphthalene	**0.20**	**F1 F2**	0.20	0.058	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,3,4,6-Tetrachlorophenol	ND	F1	1.0	0.34	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.53	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4,5-Trichlorophenol	ND	F1	1.0	0.26	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4,6-Trichlorophenol	ND	F1	1.0	0.23	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4-Dichlorophenol	ND	F1 F2	0.20	0.053	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4-Dimethylphenol	ND	F1 *+ F2	1.0	0.61	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4-Dinitrophenol	ND	F1	10	3.4	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,4-Dinitrotoluene	ND	F1	1.0	0.37	ug/L		10/09/24 14:20	10/15/24 15:43	1
2,6-Dinitrotoluene	ND	F1	1.0	0.18	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Chloronaphthalene	ND	F1	0.20	0.061	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Chlorophenol	ND	F1	1.0	0.23	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Methylnaphthalene	**0.20**	**F1 F2**	0.20	0.065	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Methylphenol	ND	F1 F2	1.0	0.58	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Nitroaniline	ND	F1	5.2	0.57	ug/L		10/09/24 14:20	10/15/24 15:43	1
2-Nitrophenol	ND	F1	1.0	0.20	ug/L		10/09/24 14:20	10/15/24 15:43	1
3,3'-Dichlorobenzidine	ND	F1	1.0	0.61	ug/L		10/09/24 14:20	10/15/24 15:43	1
3-Nitroaniline	ND	F1	5.2	0.46	ug/L		10/09/24 14:20	10/15/24 15:43	1
4,6-Dinitro-2-methylphenol	ND	F1	5.2	1.5	ug/L		10/09/24 14:20	10/15/24 15:43	1
4-Bromophenyl phenyl ether	ND	F1	1.0	0.33	ug/L		10/09/24 14:20	10/15/24 15:43	1
4-Chloro-3-methylphenol	ND	F1	1.0	0.45	ug/L		10/09/24 14:20	10/15/24 15:43	1
4-Chloroaniline	ND	F1	1.0	0.39	ug/L		10/09/24 14:20	10/15/24 15:43	1

Client Sample ID: SUPE-W-28C-100224
Lab Sample ID: 180-180837-1
Date Collected: 10/02/24 09:01
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	F1	1.0	0.23	ug/L		10/09/24 14:20	10/15/24 15:43	1
4-Nitroaniline	ND	F1 F2	5.2	0.38	ug/L		10/09/24 14:20	10/15/24 15:43	1
4-Nitrophenol	ND		5.2	0.98	ug/L		10/09/24 14:20	10/15/24 15:43	1
Acenaphthene	**1.6**	**F1**	0.20	0.068	ug/L		10/09/24 14:20	10/15/24 15:43	1
Acenaphthylene	**0.081**	**J F1**	0.20	0.068	ug/L		10/09/24 14:20	10/15/24 15:43	1
Anthracene	**1.3**	**F1**	0.20	0.051	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzo[a]anthracene	**0.81**	**F1**	0.20	0.078	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzo[a]pyrene	**0.25**	**F1**	0.20	0.055	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzo[b]fluoranthene	**0.44**	**F1 F2**	0.20	0.10	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzo[g,h,i]perylene	**0.15**	**J F1**	0.20	0.072	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzo[k]fluoranthene	**0.25**	**F1**	0.20	0.092	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzoic acid	ND	F1	5.2	2.6	ug/L		10/09/24 14:20	10/15/24 15:43	1
Benzyl alcohol	ND	F1	5.2	1.7	ug/L		10/09/24 14:20	10/15/24 15:43	1
Bis(2-chloroethoxy)methane	ND	F1	1.0	0.16	ug/L		10/09/24 14:20	10/15/24 15:43	1
Bis(2-chloroethyl)ether	ND	F1	0.20	0.042	ug/L		10/09/24 14:20	10/15/24 15:43	1
Bis(2-ethylhexyl) phthalate	ND	F1	10	6.5	ug/L		10/09/24 14:20	10/15/24 15:43	1
bis(chloroisopropyl) ether	ND	F2	0.20	0.060	ug/L		10/09/24 14:20	10/15/24 15:43	1
Butyl benzyl phthalate	ND	F1	2.1	0.98	ug/L		10/09/24 14:20	10/15/24 15:43	1
Chrysene	**0.90**	**F1**	0.20	0.084	ug/L		10/09/24 14:20	10/15/24 15:43	1
Dibenz(a,h)anthracene	ND	F1	0.20	0.075	ug/L		10/09/24 14:20	10/15/24 15:43	1
Dibenzofuran	**0.84**	**J F1**	1.0	0.20	ug/L		10/09/24 14:20	10/15/24 15:43	1
Diethyl phthalate	ND	F1	1.0	0.59	ug/L		10/09/24 14:20	10/15/24 15:43	1
Dimethyl phthalate	ND	F1	2.1	0.21	ug/L		10/09/24 14:20	10/15/24 15:43	1
Di-n-butyl phthalate	ND	F1	10	5.1	ug/L		10/09/24 14:20	10/15/24 15:43	1
Di-n-octyl phthalate	ND	F1	1.0	0.71	ug/L		10/09/24 14:20	10/15/24 15:43	1
Fluoranthene	**4.6**	**F1**	0.20	0.063	ug/L		10/09/24 14:20	10/15/24 15:43	1
Fluorene	**0.97**	**F1**	0.20	0.072	ug/L		10/09/24 14:20	10/15/24 15:43	1
Hexachlorobenzene	ND	F1	0.20	0.058	ug/L		10/09/24 14:20	10/15/24 15:43	1
Hexachlorobutadiene	ND	F1 F2	0.20	0.072	ug/L		10/09/24 14:20	10/15/24 15:43	1
Hexachlorocyclopentadiene	ND	F1 F2	1.0	0.52	ug/L		10/09/24 14:20	10/15/24 15:43	1
Hexachloroethane	ND	F1 F2	1.0	0.14	ug/L		10/09/24 14:20	10/15/24 15:43	1
Indeno[1,2,3-cd]pyrene	**0.11**	**J F1**	0.20	0.089	ug/L		10/09/24 14:20	10/15/24 15:43	1
Isophorone	ND	F1	1.0	0.20	ug/L		10/09/24 14:20	10/15/24 15:43	1
Methylphenol, 3 & 4	ND	F1 F2	1.0	0.39	ug/L		10/09/24 14:20	10/15/24 15:43	1
Nitrobenzene	ND	F1 F2	2.1	0.52	ug/L		10/09/24 14:20	10/15/24 15:43	1
N-Nitrosodi-n-propylamine	ND	F1 F2	0.20	0.074	ug/L		10/09/24 14:20	10/15/24 15:43	1
N-Nitrosodiphenylamine	ND	F1	1.0	0.12	ug/L		10/09/24 14:20	10/15/24 15:43	1
Pentachlorophenol	ND	F1 F2	1.0	0.88	ug/L		10/09/24 14:20	10/15/24 15:43	1
Phenanthrene	**1.6**	**F1**	0.20	0.16	ug/L		10/09/24 14:20	10/15/24 15:43	1
Phenol	**1.3**	**F1**	1.0	0.51	ug/L		10/09/24 14:20	10/15/24 15:43	1
Pyrene	**3.2**	**F1**	0.20	0.056	ug/L		10/09/24 14:20	10/15/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*23 - 128*	*10/09/24 14:20*	*10/15/24 15:43*	*1*
2-Fluorobiphenyl	*54*		*20 - 105*	*10/09/24 14:20*	*10/15/24 15:43*	*1*
2-Fluorophenol (Surr)	*44*		*20 - 105*	*10/09/24 14:20*	*10/15/24 15:43*	*1*
Nitrobenzene-d5 (Surr)	*56*		*20 - 107*	*10/09/24 14:20*	*10/15/24 15:43*	*1*
Phenol-d5 (Surr)	*47*		*20 - 106*	*10/09/24 14:20*	*10/15/24 15:43*	*1*
Terphenyl-d14 (Surr)	*58*		*22 - 120*	*10/09/24 14:20*	*10/15/24 15:43*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-12A-100224
Lab Sample ID: 180-180837-2
Date Collected: 10/02/24 10:59
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 02:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 02:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 02:45	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 02:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 02:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 02:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 02:45	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 02:45	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 02:45	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 02:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 02:45	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 02:45	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 02:45	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 02:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/09/24 02:45*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/09/24 02:45*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/09/24 02:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/09/24 02:45*	*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		1.0	0.25	ug/L		10/09/24 14:20	10/15/24 16:50	1
1,2-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 16:50	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 16:50	1
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L		10/09/24 14:20	10/15/24 16:50	1
1-Methylnaphthalene	ND		0.20	0.058	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.34	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.53	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4,5-Trichlorophenol	ND		1.0	0.26	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4,6-Trichlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4-Dichlorophenol	ND		0.20	0.053	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4-Dimethylphenol	ND	*+	1.0	0.61	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4-Dinitrophenol	ND		10	3.4	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,4-Dinitrotoluene	ND		1.0	0.37	ug/L		10/09/24 14:20	10/15/24 16:50	1
2,6-Dinitrotoluene	ND		1.0	0.18	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Chloronaphthalene	ND		0.20	0.061	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Methylnaphthalene	**0.068**	**J**	0.20	0.065	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Methylphenol	ND		1.0	0.58	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Nitroaniline	ND		5.2	0.57	ug/L		10/09/24 14:20	10/15/24 16:50	1
2-Nitrophenol	ND		1.0	0.20	ug/L		10/09/24 14:20	10/15/24 16:50	1
3,3'-Dichlorobenzidine	ND		1.0	0.61	ug/L		10/09/24 14:20	10/15/24 16:50	1
3-Nitroaniline	ND		5.2	0.46	ug/L		10/09/24 14:20	10/15/24 16:50	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.5	ug/L		10/09/24 14:20	10/15/24 16:50	1
4-Bromophenyl phenyl ether	ND		1.0	0.33	ug/L		10/09/24 14:20	10/15/24 16:50	1
4-Chloro-3-methylphenol	ND		1.0	0.45	ug/L		10/09/24 14:20	10/15/24 16:50	1
4-Chloroaniline	ND		1.0	0.39	ug/L		10/09/24 14:20	10/15/24 16:50	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-12A-100224
Lab Sample ID: 180-180837-2
Date Collected: 10/02/24 10:59
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 16:50	1
4-Nitroaniline	ND		5.2	0.38	ug/L		10/09/24 14:20	10/15/24 16:50	1
4-Nitrophenol	ND		5.2	0.98	ug/L		10/09/24 14:20	10/15/24 16:50	1
Acenaphthene	**0.36**		0.20	0.068	ug/L		10/09/24 14:20	10/15/24 16:50	1
Acenaphthylene	ND		0.20	0.068	ug/L		10/09/24 14:20	10/15/24 16:50	1
Anthracene	**0.20**		0.20	0.051	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzo[a]anthracene	**0.089**	**J**	0.20	0.078	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzo[a]pyrene	ND		0.20	0.055	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzo[g,h,i]perylene	ND		0.20	0.072	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzo[k]fluoranthene	ND		0.20	0.092	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzoic acid	ND		5.2	2.6	ug/L		10/09/24 14:20	10/15/24 16:50	1
Benzyl alcohol	ND		5.2	1.7	ug/L		10/09/24 14:20	10/15/24 16:50	1
Bis(2-chloroethoxy)methane	ND		1.0	0.16	ug/L		10/09/24 14:20	10/15/24 16:50	1
Bis(2-chloroethyl)ether	ND		0.20	0.042	ug/L		10/09/24 14:20	10/15/24 16:50	1
Bis(2-ethylhexyl) phthalate	ND		10	6.5	ug/L		10/09/24 14:20	10/15/24 16:50	1
bis(chloroisopropyl) ether	ND		0.20	0.060	ug/L		10/09/24 14:20	10/15/24 16:50	1
Butyl benzyl phthalate	ND		2.1	0.98	ug/L		10/09/24 14:20	10/15/24 16:50	1
Chrysene	ND		0.20	0.084	ug/L		10/09/24 14:20	10/15/24 16:50	1
Dibenz(a,h)anthracene	ND		0.20	0.075	ug/L		10/09/24 14:20	10/15/24 16:50	1
Dibenzofuran	**0.21**	**J**	1.0	0.20	ug/L		10/09/24 14:20	10/15/24 16:50	1
Diethyl phthalate	ND		1.0	0.59	ug/L		10/09/24 14:20	10/15/24 16:50	1
Dimethyl phthalate	ND		2.1	0.21	ug/L		10/09/24 14:20	10/15/24 16:50	1
Di-n-butyl phthalate	ND		10	5.1	ug/L		10/09/24 14:20	10/15/24 16:50	1
Di-n-octyl phthalate	ND		1.0	0.71	ug/L		10/09/24 14:20	10/15/24 16:50	1
Fluoranthene	**0.72**		0.20	0.063	ug/L		10/09/24 14:20	10/15/24 16:50	1
Fluorene	**0.38**		0.20	0.072	ug/L		10/09/24 14:20	10/15/24 16:50	1
Hexachlorobenzene	ND		0.20	0.058	ug/L		10/09/24 14:20	10/15/24 16:50	1
Hexachlorobutadiene	ND		0.20	0.072	ug/L		10/09/24 14:20	10/15/24 16:50	1
Hexachlorocyclopentadiene	ND		1.0	0.52	ug/L		10/09/24 14:20	10/15/24 16:50	1
Hexachloroethane	ND		1.0	0.14	ug/L		10/09/24 14:20	10/15/24 16:50	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.089	ug/L		10/09/24 14:20	10/15/24 16:50	1
Isophorone	ND		1.0	0.20	ug/L		10/09/24 14:20	10/15/24 16:50	1
Methylphenol, 3 & 4	ND		1.0	0.39	ug/L		10/09/24 14:20	10/15/24 16:50	1
Nitrobenzene	ND		2.1	0.52	ug/L		10/09/24 14:20	10/15/24 16:50	1
N-Nitrosodi-n-propylamine	ND		0.20	0.074	ug/L		10/09/24 14:20	10/15/24 16:50	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:20	10/15/24 16:50	1
Pentachlorophenol	ND		1.0	0.88	ug/L		10/09/24 14:20	10/15/24 16:50	1
Phenanthrene	**1.4**		0.20	0.16	ug/L		10/09/24 14:20	10/15/24 16:50	1
Phenol	ND		1.0	0.51	ug/L		10/09/24 14:20	10/15/24 16:50	1
Pyrene	**0.47**		0.20	0.056	ug/L		10/09/24 14:20	10/15/24 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*23 - 128*	*10/09/24 14:20*	*10/15/24 16:50*	*1*
2-Fluorobiphenyl	*52*		*20 - 105*	*10/09/24 14:20*	*10/15/24 16:50*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 105*	*10/09/24 14:20*	*10/15/24 16:50*	*1*
Nitrobenzene-d5 (Surr)	*58*		*20 - 107*	*10/09/24 14:20*	*10/15/24 16:50*	*1*
Phenol-d5 (Surr)	*51*		*20 - 106*	*10/09/24 14:20*	*10/15/24 16:50*	*1*
Terphenyl-d14 (Surr)	*61*		*22 - 120*	*10/09/24 14:20*	*10/15/24 16:50*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-12CR-100224
Lab Sample ID: 180-180837-3
Date Collected: 10/02/24 11:26
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 03:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 03:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 03:09	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 03:09	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 03:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 03:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 03:09	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 03:09	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 03:09	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 03:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 03:09	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 03:09	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 03:09	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 03:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/09/24 03:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/09/24 03:09*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/09/24 03:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/09/24 03:09*	*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		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 17:12	1
1,2-Dichlorobenzene	ND		1.0	0.21	ug/L		10/09/24 14:20	10/15/24 17:12	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:12	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 17:12	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4-Dimethylphenol	ND	*+	1.0	0.59	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/24 14:20	10/15/24 17:12	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Methylphenol	ND		1.0	0.56	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/24 14:20	10/15/24 17:12	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:12	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/24 14:20	10/15/24 17:12	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/24 14:20	10/15/24 17:12	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/24 14:20	10/15/24 17:12	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/24 14:20	10/15/24 17:12	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		10/09/24 14:20	10/15/24 17:12	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/24 14:20	10/15/24 17:12	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-12CR-100224
Lab Sample ID: 180-180837-3
Date Collected: 10/02/24 11:26
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:12	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/24 14:20	10/15/24 17:12	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/24 14:20	10/15/24 17:12	1
Acenaphthene	ND		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 17:12	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 17:12	1
Anthracene	**0.054**	**J**	0.19	0.049	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzoic acid	ND		5.0	2.5	ug/L		10/09/24 14:20	10/15/24 17:12	1
Benzyl alcohol	ND		5.0	1.7	ug/L		10/09/24 14:20	10/15/24 17:12	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/24 14:20	10/15/24 17:12	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/24 14:20	10/15/24 17:12	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/24 14:20	10/15/24 17:12	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/24 14:20	10/15/24 17:12	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		10/09/24 14:20	10/15/24 17:12	1
Chrysene	ND		0.19	0.081	ug/L		10/09/24 14:20	10/15/24 17:12	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/24 14:20	10/15/24 17:12	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:12	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/24 14:20	10/15/24 17:12	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		10/09/24 14:20	10/15/24 17:12	1
Di-n-butyl phthalate	ND		10	4.9	ug/L		10/09/24 14:20	10/15/24 17:12	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/24 14:20	10/15/24 17:12	1
Fluoranthene	ND		0.19	0.060	ug/L		10/09/24 14:20	10/15/24 17:12	1
Fluorene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:12	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 17:12	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:12	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/24 14:20	10/15/24 17:12	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/24 14:20	10/15/24 17:12	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/24 14:20	10/15/24 17:12	1
Isophorone	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:12	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/24 14:20	10/15/24 17:12	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/24 14:20	10/15/24 17:12	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/24 14:20	10/15/24 17:12	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:20	10/15/24 17:12	1
Pentachlorophenol	ND		1.0	0.85	ug/L		10/09/24 14:20	10/15/24 17:12	1
Phenanthrene	ND		0.19	0.16	ug/L		10/09/24 14:20	10/15/24 17:12	1
Phenol	ND		1.0	0.49	ug/L		10/09/24 14:20	10/15/24 17:12	1
Pyrene	ND		0.19	0.054	ug/L		10/09/24 14:20	10/15/24 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*23 - 128*	*10/09/24 14:20*	*10/15/24 17:12*	*1*
2-Fluorobiphenyl	*40*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:12*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:12*	*1*
Nitrobenzene-d5 (Surr)	*43*		*20 - 107*	*10/09/24 14:20*	*10/15/24 17:12*	*1*
Phenol-d5 (Surr)	*38*		*20 - 106*	*10/09/24 14:20*	*10/15/24 17:12*	*1*
Terphenyl-d14 (Surr)	*115*		*22 - 120*	*10/09/24 14:20*	*10/15/24 17:12*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-06A-100224
Lab Sample ID: 180-180837-4
Date Collected: 10/02/24 12:02
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 03:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 03:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 03:33	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 03:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 03:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 03:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 03:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 03:33	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 03:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 03:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 03:33	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 03:33	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 03:33	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 03:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/09/24 03:33*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/09/24 03:33*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/09/24 03:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/09/24 03:33*	*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		1.1	0.27	ug/L		10/09/24 14:20	10/15/24 17:35	1
1,2-Dichlorobenzene	ND		1.1	0.23	ug/L		10/09/24 14:20	10/15/24 17:35	1
1,3-Dichlorobenzene	ND		1.1	0.23	ug/L		10/09/24 14:20	10/15/24 17:35	1
1,4-Dichlorobenzene	ND		1.1	0.26	ug/L		10/09/24 14:20	10/15/24 17:35	1
1-Methylnaphthalene	ND		0.21	0.061	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,3,4,6-Tetrachlorophenol	ND		1.1	0.35	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.55	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4,5-Trichlorophenol	ND		1.1	0.27	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4,6-Trichlorophenol	ND		1.1	0.24	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4-Dichlorophenol	ND		0.21	0.055	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4-Dimethylphenol	ND	*+	1.1	0.64	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4-Dinitrophenol	ND		11	3.5	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,4-Dinitrotoluene	ND		1.1	0.38	ug/L		10/09/24 14:20	10/15/24 17:35	1
2,6-Dinitrotoluene	ND		1.1	0.19	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Chloronaphthalene	ND		0.21	0.064	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Chlorophenol	ND		1.1	0.24	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Methylnaphthalene	ND		0.21	0.067	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Methylphenol	ND		1.1	0.61	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Nitroaniline	ND		5.4	0.60	ug/L		10/09/24 14:20	10/15/24 17:35	1
2-Nitrophenol	ND		1.1	0.21	ug/L		10/09/24 14:20	10/15/24 17:35	1
3,3'-Dichlorobenzidine	ND		1.1	0.63	ug/L		10/09/24 14:20	10/15/24 17:35	1
3-Nitroaniline	ND		5.4	0.48	ug/L		10/09/24 14:20	10/15/24 17:35	1
4,6-Dinitro-2-methylphenol	ND		5.4	1.6	ug/L		10/09/24 14:20	10/15/24 17:35	1
4-Bromophenyl phenyl ether	ND		1.1	0.35	ug/L		10/09/24 14:20	10/15/24 17:35	1
4-Chloro-3-methylphenol	ND		1.1	0.47	ug/L		10/09/24 14:20	10/15/24 17:35	1
4-Chloroaniline	ND		1.1	0.41	ug/L		10/09/24 14:20	10/15/24 17:35	1

Client Sample ID: SUPE-W-06A-100224
Lab Sample ID: 180-180837-4
Date Collected: 10/02/24 12:02
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.1	0.24	ug/L		10/09/24 14:20	10/15/24 17:35	1
4-Nitroaniline	ND		5.4	0.39	ug/L		10/09/24 14:20	10/15/24 17:35	1
4-Nitrophenol	ND		5.4	1.0	ug/L		10/09/24 14:20	10/15/24 17:35	1
Acenaphthene	**0.20**	**J**	0.21	0.071	ug/L		10/09/24 14:20	10/15/24 17:35	1
Acenaphthylene	ND		0.21	0.071	ug/L		10/09/24 14:20	10/15/24 17:35	1
Anthracene	**0.14**	**J**	0.21	0.053	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzo[a]anthracene	**0.096**	**J**	0.21	0.082	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzo[a]pyrene	ND		0.21	0.058	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzo[b]fluoranthene	ND		0.21	0.11	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzo[g,h,i]perylene	ND		0.21	0.075	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzo[k]fluoranthene	ND		0.21	0.096	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzoic acid	ND		5.4	2.8	ug/L		10/09/24 14:20	10/15/24 17:35	1
Benzyl alcohol	ND		5.4	1.8	ug/L		10/09/24 14:20	10/15/24 17:35	1
Bis(2-chloroethoxy)methane	ND		1.1	0.17	ug/L		10/09/24 14:20	10/15/24 17:35	1
Bis(2-chloroethyl)ether	ND		0.21	0.043	ug/L		10/09/24 14:20	10/15/24 17:35	1
Bis(2-ethylhexyl) phthalate	ND		11	6.8	ug/L		10/09/24 14:20	10/15/24 17:35	1
bis(chloroisopropyl) ether	ND		0.21	0.063	ug/L		10/09/24 14:20	10/15/24 17:35	1
Butyl benzyl phthalate	ND		2.2	1.0	ug/L		10/09/24 14:20	10/15/24 17:35	1
Chrysene	ND		0.21	0.088	ug/L		10/09/24 14:20	10/15/24 17:35	1
Dibenz(a,h)anthracene	ND		0.21	0.078	ug/L		10/09/24 14:20	10/15/24 17:35	1
Dibenzofuran	ND		1.1	0.21	ug/L		10/09/24 14:20	10/15/24 17:35	1
Diethyl phthalate	ND		1.1	0.62	ug/L		10/09/24 14:20	10/15/24 17:35	1
Dimethyl phthalate	ND		2.2	0.22	ug/L		10/09/24 14:20	10/15/24 17:35	1
Di-n-butyl phthalate	ND		11	5.3	ug/L		10/09/24 14:20	10/15/24 17:35	1
Di-n-octyl phthalate	ND		1.1	0.74	ug/L		10/09/24 14:20	10/15/24 17:35	1
Fluoranthene	**1.0**		0.21	0.065	ug/L		10/09/24 14:20	10/15/24 17:35	1
Fluorene	**0.39**		0.21	0.075	ug/L		10/09/24 14:20	10/15/24 17:35	1
Hexachlorobenzene	ND		0.21	0.061	ug/L		10/09/24 14:20	10/15/24 17:35	1
Hexachlorobutadiene	ND		0.21	0.075	ug/L		10/09/24 14:20	10/15/24 17:35	1
Hexachlorocyclopentadiene	ND		1.1	0.54	ug/L		10/09/24 14:20	10/15/24 17:35	1
Hexachloroethane	ND		1.1	0.14	ug/L		10/09/24 14:20	10/15/24 17:35	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.092	ug/L		10/09/24 14:20	10/15/24 17:35	1
Isophorone	ND		1.1	0.20	ug/L		10/09/24 14:20	10/15/24 17:35	1
Methylphenol, 3 & 4	ND		1.1	0.40	ug/L		10/09/24 14:20	10/15/24 17:35	1
Nitrobenzene	ND		2.2	0.54	ug/L		10/09/24 14:20	10/15/24 17:35	1
N-Nitrosodi-n-propylamine	ND		0.21	0.077	ug/L		10/09/24 14:20	10/15/24 17:35	1
N-Nitrosodiphenylamine	ND		1.1	0.13	ug/L		10/09/24 14:20	10/15/24 17:35	1
Pentachlorophenol	ND		1.1	0.92	ug/L		10/09/24 14:20	10/15/24 17:35	1
Phenanthrene	**1.6**		0.21	0.17	ug/L		10/09/24 14:20	10/15/24 17:35	1
Phenol	ND		1.1	0.53	ug/L		10/09/24 14:20	10/15/24 17:35	1
Pyrene	**0.51**		0.21	0.059	ug/L		10/09/24 14:20	10/15/24 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*23 - 128*	*10/09/24 14:20*	*10/15/24 17:35*	*1*
2-Fluorobiphenyl	*45*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:35*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:35*	*1*
Nitrobenzene-d5 (Surr)	*51*		*20 - 107*	*10/09/24 14:20*	*10/15/24 17:35*	*1*
Phenol-d5 (Surr)	*42*		*20 - 106*	*10/09/24 14:20*	*10/15/24 17:35*	*1*
Terphenyl-d14 (Surr)	*42*		*22 - 120*	*10/09/24 14:20*	*10/15/24 17:35*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-30A-100224
Lab Sample ID: 180-180837-5
Date Collected: 10/02/24 12:58
Matrix: Water
Date Received: 10/04/24 09:00

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		2.0	1.6	ug/L			10/09/24 03:57	2
1,2,4-Trimethylbenzene	**2.6**		2.0	1.5	ug/L			10/09/24 03:57	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			10/09/24 03:57	2
Benzene	**8.1**		2.0	0.82	ug/L			10/09/24 03:57	2
Chloromethane	ND		2.0	0.70	ug/L			10/09/24 03:57	2
Ethylbenzene	**14**		2.0	1.5	ug/L			10/09/24 03:57	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/09/24 03:57	2
m-Xylene & p-Xylene	**2.3**	**J**	4.0	1.3	ug/L			10/09/24 03:57	2
Naphthalene	**5.8**		2.0	0.86	ug/L			10/09/24 03:57	2
n-Butylbenzene	ND		2.0	1.3	ug/L			10/09/24 03:57	2
N-Propylbenzene	ND		2.0	1.4	ug/L			10/09/24 03:57	2
o-Xylene	**3.0**		2.0	1.5	ug/L			10/09/24 03:57	2
Styrene	ND		2.0	1.5	ug/L			10/09/24 03:57	2
Toluene	**1.3**	**J**	2.0	1.0	ug/L			10/09/24 03:57	2
Xylenes, Total	**5.3**		4.0	1.3	ug/L			10/09/24 03:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/09/24 03:57*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/09/24 03:57*	*2*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/09/24 03:57*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/24 03:57*	*2*

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		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 17:57	1
1,2-Dichlorobenzene	ND		1.0	0.21	ug/L		10/09/24 14:20	10/15/24 17:57	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:57	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 17:57	1
1-Methylnaphthalene	**6.6**		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4-Dimethylphenol	ND	*+	1.0	0.59	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/24 14:20	10/15/24 17:57	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Methylphenol	ND		1.0	0.56	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/24 14:20	10/15/24 17:57	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:57	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/24 14:20	10/15/24 17:57	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/24 14:20	10/15/24 17:57	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/24 14:20	10/15/24 17:57	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/24 14:20	10/15/24 17:57	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		10/09/24 14:20	10/15/24 17:57	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/24 14:20	10/15/24 17:57	1

Client Sample ID: SUPE-W-30A-100224
Lab Sample ID: 180-180837-5

Date Collected: 10/02/24 12:58
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 17:57	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/24 14:20	10/15/24 17:57	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/24 14:20	10/15/24 17:57	1
Acenaphthene	**29**		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 17:57	1
Acenaphthylene	**0.59**		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 17:57	1
Anthracene	**0.84**		0.19	0.049	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzo[a]anthracene	**0.10**	**J**	0.19	0.075	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzoic acid	ND		5.0	2.5	ug/L		10/09/24 14:20	10/15/24 17:57	1
Benzyl alcohol	ND		5.0	1.7	ug/L		10/09/24 14:20	10/15/24 17:57	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/24 14:20	10/15/24 17:57	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/24 14:20	10/15/24 17:57	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/24 14:20	10/15/24 17:57	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/24 14:20	10/15/24 17:57	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		10/09/24 14:20	10/15/24 17:57	1
Chrysene	**0.097**	**J**	0.19	0.081	ug/L		10/09/24 14:20	10/15/24 17:57	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/24 14:20	10/15/24 17:57	1
Dibenzofuran	**12**		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:57	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/24 14:20	10/15/24 17:57	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		10/09/24 14:20	10/15/24 17:57	1
Di-n-butyl phthalate	ND		10	4.9	ug/L		10/09/24 14:20	10/15/24 17:57	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/24 14:20	10/15/24 17:57	1
Fluoranthene	**1.4**		0.19	0.060	ug/L		10/09/24 14:20	10/15/24 17:57	1
Fluorene	**7.9**		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:57	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 17:57	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 17:57	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/24 14:20	10/15/24 17:57	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/24 14:20	10/15/24 17:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/24 14:20	10/15/24 17:57	1
Isophorone	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 17:57	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/24 14:20	10/15/24 17:57	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/24 14:20	10/15/24 17:57	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/24 14:20	10/15/24 17:57	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:20	10/15/24 17:57	1
Pentachlorophenol	ND		1.0	0.85	ug/L		10/09/24 14:20	10/15/24 17:57	1
Phenanthrene	**1.3**		0.19	0.16	ug/L		10/09/24 14:20	10/15/24 17:57	1
Phenol	**1.6**		1.0	0.49	ug/L		10/09/24 14:20	10/15/24 17:57	1
Pyrene	**0.81**		0.19	0.054	ug/L		10/09/24 14:20	10/15/24 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*23 - 128*	*10/09/24 14:20*	*10/15/24 17:57*	*1*
2-Fluorobiphenyl	*41*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:57*	*1*
2-Fluorophenol (Surr)	*35*		*20 - 105*	*10/09/24 14:20*	*10/15/24 17:57*	*1*
Nitrobenzene-d5 (Surr)	*43*		*20 - 107*	*10/09/24 14:20*	*10/15/24 17:57*	*1*
Phenol-d5 (Surr)	*36*		*20 - 106*	*10/09/24 14:20*	*10/15/24 17:57*	*1*
Terphenyl-d14 (Surr)	*46*		*22 - 120*	*10/09/24 14:20*	*10/15/24 17:57*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-30C-100224
Lab Sample ID: 180-180837-6
Date Collected: 10/02/24 13:20
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 04:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 04:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 04:22	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 04:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 04:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 04:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 04:22	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 04:22	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 04:22	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 04:22	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 04:22	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 04:22	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 04:22	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 04:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/09/24 04:22*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/09/24 04:22*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/09/24 04:22*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/09/24 04:22*	*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		1.0	0.24	ug/L		10/09/24 14:23	10/15/24 18:20	1
1,2-Dichlorobenzene	ND		1.0	0.21	ug/L		10/09/24 14:23	10/15/24 18:20	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 18:20	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:23	10/15/24 18:20	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4-Dimethylphenol	ND	*+	1.0	0.59	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/24 14:23	10/15/24 18:20	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Methylphenol	ND		1.0	0.56	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/24 14:23	10/15/24 18:20	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 18:20	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/24 14:23	10/15/24 18:20	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/24 14:23	10/15/24 18:20	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/24 14:23	10/15/24 18:20	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/24 14:23	10/15/24 18:20	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		10/09/24 14:23	10/15/24 18:20	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/24 14:23	10/15/24 18:20	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-30C-100224
Lab Sample ID: 180-180837-6
Date Collected: 10/02/24 13:20
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 18:20	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/24 14:23	10/15/24 18:20	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/24 14:23	10/15/24 18:20	1
Acenaphthene	ND		0.19	0.065	ug/L		10/09/24 14:23	10/15/24 18:20	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/24 14:23	10/15/24 18:20	1
Anthracene	ND		0.19	0.049	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzoic acid	ND		5.0	2.5	ug/L		10/09/24 14:23	10/15/24 18:20	1
Benzyl alcohol	ND		5.0	1.7	ug/L		10/09/24 14:23	10/15/24 18:20	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/24 14:23	10/15/24 18:20	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/24 14:23	10/15/24 18:20	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/24 14:23	10/15/24 18:20	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/24 14:23	10/15/24 18:20	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		10/09/24 14:23	10/15/24 18:20	1
Chrysene	ND		0.19	0.081	ug/L		10/09/24 14:23	10/15/24 18:20	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/24 14:23	10/15/24 18:20	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 18:20	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/24 14:23	10/15/24 18:20	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		10/09/24 14:23	10/15/24 18:20	1
Di-n-butyl phthalate	ND		10	4.9	ug/L		10/09/24 14:23	10/15/24 18:20	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/24 14:23	10/15/24 18:20	1
Fluoranthene	ND		0.19	0.060	ug/L		10/09/24 14:23	10/15/24 18:20	1
Fluorene	ND		0.19	0.069	ug/L		10/09/24 14:23	10/15/24 18:20	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/24 14:23	10/15/24 18:20	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/24 14:23	10/15/24 18:20	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/24 14:23	10/15/24 18:20	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/24 14:23	10/15/24 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/24 14:23	10/15/24 18:20	1
Isophorone	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 18:20	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/24 14:23	10/15/24 18:20	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/24 14:23	10/15/24 18:20	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/24 14:23	10/15/24 18:20	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:23	10/15/24 18:20	1
Pentachlorophenol	ND		1.0	0.85	ug/L		10/09/24 14:23	10/15/24 18:20	1
Phenanthrene	ND		0.19	0.16	ug/L		10/09/24 14:23	10/15/24 18:20	1
Phenol	ND		1.0	0.49	ug/L		10/09/24 14:23	10/15/24 18:20	1
Pyrene	ND		0.19	0.054	ug/L		10/09/24 14:23	10/15/24 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*38*		*23 - 128*	*10/09/24 14:23*	*10/15/24 18:20*	*1*
2-Fluorobiphenyl	*36*		*20 - 105*	*10/09/24 14:23*	*10/15/24 18:20*	*1*
2-Fluorophenol (Surr)	*35*		*20 - 105*	*10/09/24 14:23*	*10/15/24 18:20*	*1*
Nitrobenzene-d5 (Surr)	*42*		*20 - 107*	*10/09/24 14:23*	*10/15/24 18:20*	*1*
Phenol-d5 (Surr)	*38*		*20 - 106*	*10/09/24 14:23*	*10/15/24 18:20*	*1*
Terphenyl-d14 (Surr)	*40*		*22 - 120*	*10/09/24 14:23*	*10/15/24 18:20*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-06C-100224
Lab Sample ID: 180-180837-7
Date Collected: 10/02/24 14:08
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 04:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 04:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 04:46	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 04:46	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 04:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 04:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 04:46	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 04:46	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 04:46	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 04:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 04:46	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 04:46	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 04:46	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 04:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/09/24 04:46*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/09/24 04:46*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/09/24 04:46*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/09/24 04:46*	*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		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 18:42	1
1,2-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 18:42	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 18:42	1
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 18:42	1
1-Methylnaphthalene	ND		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.34	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.53	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4,5-Trichlorophenol	ND		1.0	0.26	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4,6-Trichlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4-Dichlorophenol	ND		0.20	0.053	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4-Dimethylphenol	ND	*+	1.0	0.61	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4-Dinitrophenol	ND		10	3.4	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,4-Dinitrotoluene	ND		1.0	0.37	ug/L		10/09/24 14:23	10/15/24 18:42	1
2,6-Dinitrotoluene	ND		1.0	0.18	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Chloronaphthalene	ND		0.20	0.061	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Methylnaphthalene	ND		0.20	0.065	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Methylphenol	ND		1.0	0.58	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Nitroaniline	ND		5.2	0.57	ug/L		10/09/24 14:23	10/15/24 18:42	1
2-Nitrophenol	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 18:42	1
3,3'-Dichlorobenzidine	ND		1.0	0.61	ug/L		10/09/24 14:23	10/15/24 18:42	1
3-Nitroaniline	ND		5.2	0.46	ug/L		10/09/24 14:23	10/15/24 18:42	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.5	ug/L		10/09/24 14:23	10/15/24 18:42	1
4-Bromophenyl phenyl ether	ND		1.0	0.33	ug/L		10/09/24 14:23	10/15/24 18:42	1
4-Chloro-3-methylphenol	ND		1.0	0.45	ug/L		10/09/24 14:23	10/15/24 18:42	1
4-Chloroaniline	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 18:42	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-06C-100224
Lab Sample ID: 180-180837-7
Date Collected: 10/02/24 14:08
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 18:42	1
4-Nitroaniline	ND		5.2	0.38	ug/L		10/09/24 14:23	10/15/24 18:42	1
4-Nitrophenol	ND		5.2	0.98	ug/L		10/09/24 14:23	10/15/24 18:42	1
Acenaphthene	**0.098**	**J**	0.20	0.068	ug/L		10/09/24 14:23	10/15/24 18:42	1
Acenaphthylene	ND		0.20	0.068	ug/L		10/09/24 14:23	10/15/24 18:42	1
Anthracene	ND		0.20	0.051	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzo[a]anthracene	ND		0.20	0.078	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzo[a]pyrene	ND		0.20	0.055	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzo[g,h,i]perylene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzo[k]fluoranthene	ND		0.20	0.092	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzoic acid	ND		5.2	2.6	ug/L		10/09/24 14:23	10/15/24 18:42	1
Benzyl alcohol	ND		5.2	1.7	ug/L		10/09/24 14:23	10/15/24 18:42	1
Bis(2-chloroethoxy)methane	ND		1.0	0.16	ug/L		10/09/24 14:23	10/15/24 18:42	1
Bis(2-chloroethyl)ether	ND		0.20	0.042	ug/L		10/09/24 14:23	10/15/24 18:42	1
Bis(2-ethylhexyl) phthalate	ND		10	6.5	ug/L		10/09/24 14:23	10/15/24 18:42	1
bis(chloroisopropyl) ether	ND		0.20	0.060	ug/L		10/09/24 14:23	10/15/24 18:42	1
Butyl benzyl phthalate	ND		2.1	0.98	ug/L		10/09/24 14:23	10/15/24 18:42	1
Chrysene	ND		0.20	0.084	ug/L		10/09/24 14:23	10/15/24 18:42	1
Dibenz(a,h)anthracene	ND		0.20	0.075	ug/L		10/09/24 14:23	10/15/24 18:42	1
Dibenzofuran	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 18:42	1
Diethyl phthalate	ND		1.0	0.59	ug/L		10/09/24 14:23	10/15/24 18:42	1
Dimethyl phthalate	ND		2.1	0.21	ug/L		10/09/24 14:23	10/15/24 18:42	1
Di-n-butyl phthalate	ND		10	5.1	ug/L		10/09/24 14:23	10/15/24 18:42	1
Di-n-octyl phthalate	ND		1.0	0.71	ug/L		10/09/24 14:23	10/15/24 18:42	1
Fluoranthene	**0.24**		0.20	0.063	ug/L		10/09/24 14:23	10/15/24 18:42	1
Fluorene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 18:42	1
Hexachlorobenzene	ND		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 18:42	1
Hexachlorobutadiene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 18:42	1
Hexachlorocyclopentadiene	ND		1.0	0.52	ug/L		10/09/24 14:23	10/15/24 18:42	1
Hexachloroethane	ND		1.0	0.14	ug/L		10/09/24 14:23	10/15/24 18:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.089	ug/L		10/09/24 14:23	10/15/24 18:42	1
Isophorone	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 18:42	1
Methylphenol, 3 & 4	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 18:42	1
Nitrobenzene	ND		2.1	0.52	ug/L		10/09/24 14:23	10/15/24 18:42	1
N-Nitrosodi-n-propylamine	ND		0.20	0.074	ug/L		10/09/24 14:23	10/15/24 18:42	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:23	10/15/24 18:42	1
Pentachlorophenol	ND		1.0	0.88	ug/L		10/09/24 14:23	10/15/24 18:42	1
Phenanthrene	ND		0.20	0.16	ug/L		10/09/24 14:23	10/15/24 18:42	1
Phenol	ND		1.0	0.51	ug/L		10/09/24 14:23	10/15/24 18:42	1
Pyrene	**0.16**	**J**	0.20	0.056	ug/L		10/09/24 14:23	10/15/24 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*23 - 128*	*10/09/24 14:23*	*10/15/24 18:42*	*1*
2-Fluorobiphenyl	*42*		*20 - 105*	*10/09/24 14:23*	*10/15/24 18:42*	*1*
2-Fluorophenol (Surr)	*41*		*20 - 105*	*10/09/24 14:23*	*10/15/24 18:42*	*1*
Nitrobenzene-d5 (Surr)	*46*		*20 - 107*	*10/09/24 14:23*	*10/15/24 18:42*	*1*
Phenol-d5 (Surr)	*42*		*20 - 106*	*10/09/24 14:23*	*10/15/24 18:42*	*1*
Terphenyl-d14 (Surr)	*37*		*22 - 120*	*10/09/24 14:23*	*10/15/24 18:42*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-10AR2-100224
Lab Sample ID: 180-180837-8
Date Collected: 10/02/24 15:10
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 05:11	1
1,2,4-Trimethylbenzene	**8.3**		1.0	0.75	ug/L			10/09/24 05:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 05:11	1
Benzene	**21**		1.0	0.41	ug/L			10/09/24 05:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 05:11	1
Ethylbenzene	**40**		1.0	0.74	ug/L			10/09/24 05:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 05:11	1
m-Xylene & p-Xylene	**3.4**		2.0	0.66	ug/L			10/09/24 05:11	1
Naphthalene	**2.8**		1.0	0.43	ug/L			10/09/24 05:11	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 05:11	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 05:11	1
o-Xylene	**13**		1.0	0.76	ug/L			10/09/24 05:11	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 05:11	1
Toluene	**2.1**		1.0	0.51	ug/L			10/09/24 05:11	1
Xylenes, Total	**16**		2.0	0.66	ug/L			10/09/24 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/09/24 05:11*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*10/09/24 05:11*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/09/24 05:11*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/09/24 05:11*	*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		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 19:04	1
1,2-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 19:04	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 19:04	1
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 19:04	1
1-Methylnaphthalene	**10**		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.34	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.53	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4,5-Trichlorophenol	ND		1.0	0.26	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4,6-Trichlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4-Dichlorophenol	ND		0.20	0.053	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4-Dimethylphenol	ND	*+	1.0	0.61	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4-Dinitrophenol	ND		10	3.4	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,4-Dinitrotoluene	ND		1.0	0.37	ug/L		10/09/24 14:23	10/15/24 19:04	1
2,6-Dinitrotoluene	ND		1.0	0.18	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Chloronaphthalene	ND		0.20	0.061	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Methylnaphthalene	ND		0.20	0.065	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Methylphenol	ND		1.0	0.58	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Nitroaniline	ND		5.2	0.57	ug/L		10/09/24 14:23	10/15/24 19:04	1
2-Nitrophenol	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:04	1
3,3'-Dichlorobenzidine	ND		1.0	0.61	ug/L		10/09/24 14:23	10/15/24 19:04	1
3-Nitroaniline	ND		5.2	0.46	ug/L		10/09/24 14:23	10/15/24 19:04	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.5	ug/L		10/09/24 14:23	10/15/24 19:04	1
4-Bromophenyl phenyl ether	ND		1.0	0.33	ug/L		10/09/24 14:23	10/15/24 19:04	1
4-Chloro-3-methylphenol	ND		1.0	0.45	ug/L		10/09/24 14:23	10/15/24 19:04	1
4-Chloroaniline	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 19:04	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-10AR2-100224
Lab Sample ID: 180-180837-8
Date Collected: 10/02/24 15:10
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:04	1
4-Nitroaniline	ND		5.2	0.38	ug/L		10/09/24 14:23	10/15/24 19:04	1
4-Nitrophenol	ND		5.2	0.98	ug/L		10/09/24 14:23	10/15/24 19:04	1
Acenaphthene	**48**	**E**	0.20	0.068	ug/L		10/09/24 14:23	10/15/24 19:04	1
Acenaphthylene	**0.74**		0.20	0.068	ug/L		10/09/24 14:23	10/15/24 19:04	1
Anthracene	**0.49**		0.20	0.051	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzo[a]anthracene	ND		0.20	0.078	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzo[a]pyrene	ND		0.20	0.055	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzo[g,h,i]perylene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzo[k]fluoranthene	ND		0.20	0.092	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzoic acid	ND		5.2	2.6	ug/L		10/09/24 14:23	10/15/24 19:04	1
Benzyl alcohol	ND		5.2	1.7	ug/L		10/09/24 14:23	10/15/24 19:04	1
Bis(2-chloroethoxy)methane	ND		1.0	0.16	ug/L		10/09/24 14:23	10/15/24 19:04	1
Bis(2-chloroethyl)ether	ND		0.20	0.042	ug/L		10/09/24 14:23	10/15/24 19:04	1
Bis(2-ethylhexyl) phthalate	ND		10	6.5	ug/L		10/09/24 14:23	10/15/24 19:04	1
bis(chloroisopropyl) ether	ND		0.20	0.060	ug/L		10/09/24 14:23	10/15/24 19:04	1
Butyl benzyl phthalate	ND		2.1	0.98	ug/L		10/09/24 14:23	10/15/24 19:04	1
Chrysene	ND		0.20	0.084	ug/L		10/09/24 14:23	10/15/24 19:04	1
Dibenz(a,h)anthracene	ND		0.20	0.075	ug/L		10/09/24 14:23	10/15/24 19:04	1
Dibenzofuran	**10**		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:04	1
Diethyl phthalate	ND		1.0	0.59	ug/L		10/09/24 14:23	10/15/24 19:04	1
Dimethyl phthalate	ND		2.1	0.21	ug/L		10/09/24 14:23	10/15/24 19:04	1
Di-n-butyl phthalate	ND		10	5.1	ug/L		10/09/24 14:23	10/15/24 19:04	1
Di-n-octyl phthalate	ND		1.0	0.71	ug/L		10/09/24 14:23	10/15/24 19:04	1
Fluoranthene	**1.7**		0.20	0.063	ug/L		10/09/24 14:23	10/15/24 19:04	1
Fluorene	**11**		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:04	1
Hexachlorobenzene	ND		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 19:04	1
Hexachlorobutadiene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:04	1
Hexachlorocyclopentadiene	ND		1.0	0.52	ug/L		10/09/24 14:23	10/15/24 19:04	1
Hexachloroethane	ND		1.0	0.14	ug/L		10/09/24 14:23	10/15/24 19:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.089	ug/L		10/09/24 14:23	10/15/24 19:04	1
Isophorone	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:04	1
Methylphenol, 3 & 4	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 19:04	1
Nitrobenzene	ND		2.1	0.52	ug/L		10/09/24 14:23	10/15/24 19:04	1
N-Nitrosodi-n-propylamine	ND		0.20	0.074	ug/L		10/09/24 14:23	10/15/24 19:04	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:23	10/15/24 19:04	1
Pentachlorophenol	ND		1.0	0.88	ug/L		10/09/24 14:23	10/15/24 19:04	1
Phenanthrene	ND		0.20	0.16	ug/L		10/09/24 14:23	10/15/24 19:04	1
Phenol	**1.5**		1.0	0.51	ug/L		10/09/24 14:23	10/15/24 19:04	1
Pyrene	**0.94**		0.20	0.056	ug/L		10/09/24 14:23	10/15/24 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*23 - 128*	*10/09/24 14:23*	*10/15/24 19:04*	*1*
2-Fluorobiphenyl	*38*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:04*	*1*
2-Fluorophenol (Surr)	*35*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:04*	*1*
Nitrobenzene-d5 (Surr)	*39*		*20 - 107*	*10/09/24 14:23*	*10/15/24 19:04*	*1*
Phenol-d5 (Surr)	*35*		*20 - 106*	*10/09/24 14:23*	*10/15/24 19:04*	*1*
Terphenyl-d14 (Surr)	*42*		*22 - 120*	*10/09/24 14:23*	*10/15/24 19:04*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-10AR2-100224
Lab Sample ID: 180-180837-8
Date Collected: 10/02/24 15:10
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		4.2	1.0	ug/L		10/09/24 14:23	10/16/24 15:56	4
1,2-Dichlorobenzene	ND		4.2	0.88	ug/L		10/09/24 14:23	10/16/24 15:56	4
1,3-Dichlorobenzene	ND		4.2	0.90	ug/L		10/09/24 14:23	10/16/24 15:56	4
1,4-Dichlorobenzene	ND		4.2	0.99	ug/L		10/09/24 14:23	10/16/24 15:56	4
1-Methylnaphthalene	**9.7**		0.79	0.23	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,3,4,6-Tetrachlorophenol	ND		4.2	1.4	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,3,5,6-Tetrachlorophenol	ND		4.2	2.1	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4,5-Trichlorophenol	ND		4.2	1.1	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4,6-Trichlorophenol	ND		4.2	0.93	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4-Dichlorophenol	ND		0.79	0.21	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4-Dimethylphenol	ND	*+	4.2	2.4	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4-Dinitrophenol	ND		42	14	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,4-Dinitrotoluene	ND		4.2	1.5	ug/L		10/09/24 14:23	10/16/24 15:56	4
2,6-Dinitrotoluene	ND		4.2	0.72	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Chloronaphthalene	ND		0.79	0.25	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Chlorophenol	ND		4.2	0.94	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Methylnaphthalene	ND		0.79	0.26	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Methylphenol	ND		4.2	2.3	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Nitroaniline	ND		21	2.3	ug/L		10/09/24 14:23	10/16/24 15:56	4
2-Nitrophenol	ND		4.2	0.80	ug/L		10/09/24 14:23	10/16/24 15:56	4
3,3'-Dichlorobenzidine	ND		4.2	2.4	ug/L		10/09/24 14:23	10/16/24 15:56	4
3-Nitroaniline	ND		21	1.8	ug/L		10/09/24 14:23	10/16/24 15:56	4
4,6-Dinitro-2-methylphenol	ND		21	6.1	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Bromophenyl phenyl ether	ND		4.2	1.3	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Chloro-3-methylphenol	ND		4.2	1.8	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Chloroaniline	ND		4.2	1.6	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Chlorophenyl phenyl ether	ND		4.2	0.92	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Nitroaniline	ND		21	1.5	ug/L		10/09/24 14:23	10/16/24 15:56	4
4-Nitrophenol	ND		21	3.9	ug/L		10/09/24 14:23	10/16/24 15:56	4
Acenaphthene	**43**		0.79	0.27	ug/L		10/09/24 14:23	10/16/24 15:56	4
Acenaphthylene	**0.61**	**J**	0.79	0.27	ug/L		10/09/24 14:23	10/16/24 15:56	4
Anthracene	**0.42**	**J**	0.79	0.20	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzo[a]anthracene	ND		0.79	0.31	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzo[a]pyrene	ND		0.79	0.22	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzo[b]fluoranthene	ND		0.79	0.40	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzo[g,h,i]perylene	ND		0.79	0.29	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzo[k]fluoranthene	ND		0.79	0.37	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzoic acid	ND		21	11	ug/L		10/09/24 14:23	10/16/24 15:56	4
Benzyl alcohol	ND		21	7.0	ug/L		10/09/24 14:23	10/16/24 15:56	4
Bis(2-chloroethoxy)methane	ND		4.2	0.63	ug/L		10/09/24 14:23	10/16/24 15:56	4
Bis(2-chloroethyl)ether	ND		0.79	0.17	ug/L		10/09/24 14:23	10/16/24 15:56	4
Bis(2-ethylhexyl) phthalate	ND		42	26	ug/L		10/09/24 14:23	10/16/24 15:56	4
bis(chloroisopropyl) ether	ND		0.79	0.24	ug/L		10/09/24 14:23	10/16/24 15:56	4
Butyl benzyl phthalate	ND		8.3	3.9	ug/L		10/09/24 14:23	10/16/24 15:56	4
Chrysene	ND		0.79	0.34	ug/L		10/09/24 14:23	10/16/24 15:56	4
Dibenz(a,h)anthracene	ND		0.79	0.30	ug/L		10/09/24 14:23	10/16/24 15:56	4
Dibenzofuran	**9.7**		4.2	0.79	ug/L		10/09/24 14:23	10/16/24 15:56	4
Diethyl phthalate	ND		4.2	2.4	ug/L		10/09/24 14:23	10/16/24 15:56	4
Dimethyl phthalate	ND		8.3	0.83	ug/L		10/09/24 14:23	10/16/24 15:56	4

Client Sample ID: SUPE-W-10AR2-100224
Lab Sample ID: 180-180837-8

Date Collected: 10/02/24 15:10
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND		42	20	ug/L		10/09/24 14:23	10/16/24 15:56	4
Di-n-octyl phthalate	ND		4.2	2.9	ug/L		10/09/24 14:23	10/16/24 15:56	4
Fluoranthene	**1.6**		0.79	0.25	ug/L		10/09/24 14:23	10/16/24 15:56	4
Fluorene	**11**		0.79	0.29	ug/L		10/09/24 14:23	10/16/24 15:56	4
Hexachlorobenzene	ND		0.79	0.23	ug/L		10/09/24 14:23	10/16/24 15:56	4
Hexachlorobutadiene	ND		0.79	0.29	ug/L		10/09/24 14:23	10/16/24 15:56	4
Hexachlorocyclopentadiene	ND		4.2	2.1	ug/L		10/09/24 14:23	10/16/24 15:56	4
Hexachloroethane	ND		4.2	0.55	ug/L		10/09/24 14:23	10/16/24 15:56	4
Indeno[1,2,3-cd]pyrene	ND		0.79	0.35	ug/L		10/09/24 14:23	10/16/24 15:56	4
Isophorone	ND		4.2	0.78	ug/L		10/09/24 14:23	10/16/24 15:56	4
Methylphenol, 3 & 4	ND		4.2	1.6	ug/L		10/09/24 14:23	10/16/24 15:56	4
Nitrobenzene	ND		8.3	2.1	ug/L		10/09/24 14:23	10/16/24 15:56	4
N-Nitrosodi-n-propylamine	ND		0.79	0.30	ug/L		10/09/24 14:23	10/16/24 15:56	4
N-Nitrosodiphenylamine	ND		4.2	0.50	ug/L		10/09/24 14:23	10/16/24 15:56	4
Pentachlorophenol	ND		4.2	3.5	ug/L		10/09/24 14:23	10/16/24 15:56	4
Phenanthrene	ND		0.79	0.65	ug/L		10/09/24 14:23	10/16/24 15:56	4
Phenol	ND		4.2	2.0	ug/L		10/09/24 14:23	10/16/24 15:56	4
Pyrene	**0.73**	**J**	0.79	0.23	ug/L		10/09/24 14:23	10/16/24 15:56	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*23 - 128*	*10/09/24 14:23*	*10/16/24 15:56*	*4*
2-Fluorobiphenyl	*34*		*20 - 105*	*10/09/24 14:23*	*10/16/24 15:56*	*4*
2-Fluorophenol (Surr)	*31*		*20 - 105*	*10/09/24 14:23*	*10/16/24 15:56*	*4*
Nitrobenzene-d5 (Surr)	*30*		*20 - 107*	*10/09/24 14:23*	*10/16/24 15:56*	*4*
Phenol-d5 (Surr)	*33*		*20 - 106*	*10/09/24 14:23*	*10/16/24 15:56*	*4*
Terphenyl-d14 (Surr)	*34*		*22 - 120*	*10/09/24 14:23*	*10/16/24 15:56*	*4*

Client Sample ID: SUPE-M-99-100224
Lab Sample ID: 180-180837-9

Date Collected: 10/02/24 15:21
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 05:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 05:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 05:35	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 05:35	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 05:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 05:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 05:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 05:35	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 05:35	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 05:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 05:35	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 05:35	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 05:35	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 05:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 05:35	1

Client Sample ID: SUPE-M-99-100224
Lab Sample ID: 180-180837-9

Date Collected: 10/02/24 15:21
Matrix: Water
Date Received: 10/04/24 09:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*10/09/24 05:35*	*1*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*10/09/24 05:35*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/09/24 05:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/09/24 05:35*	*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		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 19:27	1
1,2-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 19:27	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 19:27	1
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 19:27	1
1-Methylnaphthalene	ND		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.34	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.53	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4,5-Trichlorophenol	ND		1.0	0.26	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4,6-Trichlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4-Dichlorophenol	ND		0.20	0.053	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4-Dimethylphenol	ND	*+	1.0	0.61	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4-Dinitrophenol	ND		10	3.4	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,4-Dinitrotoluene	ND		1.0	0.37	ug/L		10/09/24 14:23	10/15/24 19:27	1
2,6-Dinitrotoluene	ND		1.0	0.18	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Chloronaphthalene	ND		0.20	0.061	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Methylnaphthalene	ND		0.20	0.065	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Methylphenol	ND		1.0	0.58	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Nitroaniline	ND		5.2	0.57	ug/L		10/09/24 14:23	10/15/24 19:27	1
2-Nitrophenol	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:27	1
3,3'-Dichlorobenzidine	ND		1.0	0.61	ug/L		10/09/24 14:23	10/15/24 19:27	1
3-Nitroaniline	ND		5.2	0.46	ug/L		10/09/24 14:23	10/15/24 19:27	1
4,6-Dinitro-2-methylphenol	ND		5.2	1.5	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Bromophenyl phenyl ether	ND		1.0	0.33	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Chloro-3-methylphenol	ND		1.0	0.45	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Chloroaniline	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Chlorophenyl phenyl ether	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Nitroaniline	ND		5.2	0.38	ug/L		10/09/24 14:23	10/15/24 19:27	1
4-Nitrophenol	ND		5.2	0.98	ug/L		10/09/24 14:23	10/15/24 19:27	1
Acenaphthene	**0.11**	**J**	0.20	0.068	ug/L		10/09/24 14:23	10/15/24 19:27	1
Acenaphthylene	ND		0.20	0.068	ug/L		10/09/24 14:23	10/15/24 19:27	1
Anthracene	ND		0.20	0.051	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzo[a]anthracene	ND		0.20	0.078	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzo[a]pyrene	ND		0.20	0.055	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzo[b]fluoranthene	ND		0.20	0.10	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzo[g,h,i]perylene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzo[k]fluoranthene	ND		0.20	0.092	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzoic acid	ND		5.2	2.6	ug/L		10/09/24 14:23	10/15/24 19:27	1
Benzyl alcohol	ND		5.2	1.7	ug/L		10/09/24 14:23	10/15/24 19:27	1
Bis(2-chloroethoxy)methane	ND		1.0	0.16	ug/L		10/09/24 14:23	10/15/24 19:27	1
Bis(2-chloroethyl)ether	ND		0.20	0.042	ug/L		10/09/24 14:23	10/15/24 19:27	1
Bis(2-ethylhexyl) phthalate	ND		10	6.5	ug/L		10/09/24 14:23	10/15/24 19:27	1
bis(chloroisopropyl) ether	ND		0.20	0.060	ug/L		10/09/24 14:23	10/15/24 19:27	1

Client Sample ID: SUPE-M-99-100224
Lab Sample ID: 180-180837-9

Date Collected: 10/02/24 15:21
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	ND		2.1	0.98	ug/L		10/09/24 14:23	10/15/24 19:27	1
Chrysene	ND		0.20	0.084	ug/L		10/09/24 14:23	10/15/24 19:27	1
Dibenz(a,h)anthracene	ND		0.20	0.075	ug/L		10/09/24 14:23	10/15/24 19:27	1
Dibenzofuran	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:27	1
Diethyl phthalate	ND		1.0	0.59	ug/L		10/09/24 14:23	10/15/24 19:27	1
Dimethyl phthalate	ND		2.1	0.21	ug/L		10/09/24 14:23	10/15/24 19:27	1
Di-n-butyl phthalate	ND		10	5.1	ug/L		10/09/24 14:23	10/15/24 19:27	1
Di-n-octyl phthalate	ND		1.0	0.71	ug/L		10/09/24 14:23	10/15/24 19:27	1
Fluoranthene	**0.24**		0.20	0.063	ug/L		10/09/24 14:23	10/15/24 19:27	1
Fluorene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:27	1
Hexachlorobenzene	ND		0.20	0.058	ug/L		10/09/24 14:23	10/15/24 19:27	1
Hexachlorobutadiene	ND		0.20	0.072	ug/L		10/09/24 14:23	10/15/24 19:27	1
Hexachlorocyclopentadiene	ND		1.0	0.52	ug/L		10/09/24 14:23	10/15/24 19:27	1
Hexachloroethane	ND		1.0	0.14	ug/L		10/09/24 14:23	10/15/24 19:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.089	ug/L		10/09/24 14:23	10/15/24 19:27	1
Isophorone	ND		1.0	0.20	ug/L		10/09/24 14:23	10/15/24 19:27	1
Methylphenol, 3 & 4	ND		1.0	0.39	ug/L		10/09/24 14:23	10/15/24 19:27	1
Nitrobenzene	ND		2.1	0.52	ug/L		10/09/24 14:23	10/15/24 19:27	1
N-Nitrosodi-n-propylamine	ND		0.20	0.074	ug/L		10/09/24 14:23	10/15/24 19:27	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:23	10/15/24 19:27	1
Pentachlorophenol	ND		1.0	0.88	ug/L		10/09/24 14:23	10/15/24 19:27	1
Phenanthrene	ND		0.20	0.16	ug/L		10/09/24 14:23	10/15/24 19:27	1
Phenol	ND		1.0	0.51	ug/L		10/09/24 14:23	10/15/24 19:27	1
Pyrene	**0.16**	**J**	0.20	0.056	ug/L		10/09/24 14:23	10/15/24 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*23 - 128*	*10/09/24 14:23*	*10/15/24 19:27*	*1*
2-Fluorobiphenyl	*39*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:27*	*1*
2-Fluorophenol (Surr)	*40*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:27*	*1*
Nitrobenzene-d5 (Surr)	*49*		*20 - 107*	*10/09/24 14:23*	*10/15/24 19:27*	*1*
Phenol-d5 (Surr)	*42*		*20 - 106*	*10/09/24 14:23*	*10/15/24 19:27*	*1*
Terphenyl-d14 (Surr)	*43*		*22 - 120*	*10/09/24 14:23*	*10/15/24 19:27*	*1*

Client Sample ID: SUPE-W-18D-100224
Lab Sample ID: 180-180837-10

Date Collected: 10/02/24 16:18
Matrix: Water
Date Received: 10/04/24 09:00

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	0.27	ug/L		10/09/24 14:23	10/15/24 19:49	1
1,2-Dichlorobenzene	ND		1.1	0.23	ug/L		10/09/24 14:23	10/15/24 19:49	1
1,3-Dichlorobenzene	ND		1.1	0.23	ug/L		10/09/24 14:23	10/15/24 19:49	1
1,4-Dichlorobenzene	ND		1.1	0.26	ug/L		10/09/24 14:23	10/15/24 19:49	1
1-Methylnaphthalene	**0.064**	**J**	0.21	0.061	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,3,4,6-Tetrachlorophenol	ND		1.1	0.35	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.55	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,4,5-Trichlorophenol	ND		1.1	0.27	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,4,6-Trichlorophenol	ND		1.1	0.24	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,4-Dichlorophenol	ND		0.21	0.055	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,4-Dimethylphenol	ND	*+	1.1	0.64	ug/L		10/09/24 14:23	10/15/24 19:49	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-W-18D-100224
Lab Sample ID: 180-180837-10
Date Collected: 10/02/24 16:18
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		11	3.5	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,4-Dinitrotoluene	ND		1.1	0.38	ug/L		10/09/24 14:23	10/15/24 19:49	1
2,6-Dinitrotoluene	ND		1.1	0.19	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Chloronaphthalene	ND		0.21	0.064	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Chlorophenol	ND		1.1	0.24	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Methylnaphthalene	ND		0.21	0.067	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Methylphenol	ND		1.1	0.61	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Nitroaniline	ND		5.4	0.60	ug/L		10/09/24 14:23	10/15/24 19:49	1
2-Nitrophenol	ND		1.1	0.21	ug/L		10/09/24 14:23	10/15/24 19:49	1
3,3'-Dichlorobenzidine	ND		1.1	0.63	ug/L		10/09/24 14:23	10/15/24 19:49	1
3-Nitroaniline	ND		5.4	0.48	ug/L		10/09/24 14:23	10/15/24 19:49	1
4,6-Dinitro-2-methylphenol	ND		5.4	1.6	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Bromophenyl phenyl ether	ND		1.1	0.35	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Chloro-3-methylphenol	ND		1.1	0.47	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Chloroaniline	ND		1.1	0.41	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Chlorophenyl phenyl ether	ND		1.1	0.24	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Nitroaniline	ND		5.4	0.39	ug/L		10/09/24 14:23	10/15/24 19:49	1
4-Nitrophenol	ND		5.4	1.0	ug/L		10/09/24 14:23	10/15/24 19:49	1
Acenaphthene	**0.22**		0.21	0.071	ug/L		10/09/24 14:23	10/15/24 19:49	1
Acenaphthylene	ND		0.21	0.071	ug/L		10/09/24 14:23	10/15/24 19:49	1
Anthracene	**0.056**	**J**	0.21	0.053	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzo[a]anthracene	ND		0.21	0.082	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzo[a]pyrene	ND		0.21	0.058	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzo[b]fluoranthene	ND		0.21	0.11	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzo[g,h,i]perylene	ND		0.21	0.075	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzo[k]fluoranthene	ND		0.21	0.096	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzoic acid	ND		5.4	2.8	ug/L		10/09/24 14:23	10/15/24 19:49	1
Benzyl alcohol	ND		5.4	1.8	ug/L		10/09/24 14:23	10/15/24 19:49	1
Bis(2-chloroethoxy)methane	ND		1.1	0.17	ug/L		10/09/24 14:23	10/15/24 19:49	1
Bis(2-chloroethyl)ether	ND		0.21	0.043	ug/L		10/09/24 14:23	10/15/24 19:49	1
Bis(2-ethylhexyl) phthalate	ND		11	6.8	ug/L		10/09/24 14:23	10/15/24 19:49	1
bis(chloroisopropyl) ether	ND		0.21	0.063	ug/L		10/09/24 14:23	10/15/24 19:49	1
Butyl benzyl phthalate	ND		2.2	1.0	ug/L		10/09/24 14:23	10/15/24 19:49	1
Chrysene	ND		0.21	0.088	ug/L		10/09/24 14:23	10/15/24 19:49	1
Dibenz(a,h)anthracene	ND		0.21	0.078	ug/L		10/09/24 14:23	10/15/24 19:49	1
Dibenzofuran	ND		1.1	0.21	ug/L		10/09/24 14:23	10/15/24 19:49	1
Diethyl phthalate	ND		1.1	0.62	ug/L		10/09/24 14:23	10/15/24 19:49	1
Dimethyl phthalate	ND		2.2	0.22	ug/L		10/09/24 14:23	10/15/24 19:49	1
Di-n-butyl phthalate	ND		11	5.3	ug/L		10/09/24 14:23	10/15/24 19:49	1
Di-n-octyl phthalate	ND		1.1	0.74	ug/L		10/09/24 14:23	10/15/24 19:49	1
Fluoranthene	**0.38**		0.21	0.065	ug/L		10/09/24 14:23	10/15/24 19:49	1
Fluorene	ND		0.21	0.075	ug/L		10/09/24 14:23	10/15/24 19:49	1
Hexachlorobenzene	ND		0.21	0.061	ug/L		10/09/24 14:23	10/15/24 19:49	1
Hexachlorobutadiene	ND		0.21	0.075	ug/L		10/09/24 14:23	10/15/24 19:49	1
Hexachlorocyclopentadiene	ND		1.1	0.54	ug/L		10/09/24 14:23	10/15/24 19:49	1
Hexachloroethane	ND		1.1	0.14	ug/L		10/09/24 14:23	10/15/24 19:49	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.092	ug/L		10/09/24 14:23	10/15/24 19:49	1
Isophorone	ND		1.1	0.20	ug/L		10/09/24 14:23	10/15/24 19:49	1
Methylphenol, 3 & 4	ND		1.1	0.40	ug/L		10/09/24 14:23	10/15/24 19:49	1

Client Sample ID: SUPE-W-18D-100224
Lab Sample ID: 180-180837-10
Date Collected: 10/02/24 16:18
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.21	0.064	ug/L		10/09/24 14:23	10/15/24 19:49	1
Nitrobenzene	ND		2.2	0.54	ug/L		10/09/24 14:23	10/15/24 19:49	1
N-Nitrosodi-n-propylamine	ND		0.21	0.077	ug/L		10/09/24 14:23	10/15/24 19:49	1
N-Nitrosodiphenylamine	ND		1.1	0.13	ug/L		10/09/24 14:23	10/15/24 19:49	1
Pentachlorophenol	ND		1.1	0.92	ug/L		10/09/24 14:23	10/15/24 19:49	1
Phenanthrene	**0.66**		0.21	0.17	ug/L		10/09/24 14:23	10/15/24 19:49	1
Phenol	ND		1.1	0.53	ug/L		10/09/24 14:23	10/15/24 19:49	1
Pyrene	**0.22**		0.21	0.059	ug/L		10/09/24 14:23	10/15/24 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*39*		*23 - 128*	*10/09/24 14:23*	*10/15/24 19:49*	*1*
2-Fluorobiphenyl	*33*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:49*	*1*
2-Fluorophenol (Surr)	*34*		*20 - 105*	*10/09/24 14:23*	*10/15/24 19:49*	*1*
Nitrobenzene-d5 (Surr)	*41*		*20 - 107*	*10/09/24 14:23*	*10/15/24 19:49*	*1*
Phenol-d5 (Surr)	*36*		*20 - 106*	*10/09/24 14:23*	*10/15/24 19:49*	*1*
Terphenyl-d14 (Surr)	*38*		*22 - 120*	*10/09/24 14:23*	*10/15/24 19:49*	*1*

Client Sample ID: SUPE-W-04AR2-100224
Lab Sample ID: 180-180837-11
Date Collected: 10/02/24 17:30
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 05:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 05:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 05:59	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 05:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 05:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 05:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 05:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 05:59	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 05:59	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 05:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 05:59	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 05:59	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 05:59	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 05:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/09/24 05:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/09/24 05:59*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/09/24 05:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/09/24 05:59*	*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		1.1	0.28	ug/L		10/09/24 14:23	10/15/24 20:11	1
1,2-Dichlorobenzene	ND		1.1	0.24	ug/L		10/09/24 14:23	10/15/24 20:11	1
1,3-Dichlorobenzene	ND		1.1	0.24	ug/L		10/09/24 14:23	10/15/24 20:11	1
1,4-Dichlorobenzene	ND		1.1	0.27	ug/L		10/09/24 14:23	10/15/24 20:11	1

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

Job ID: 180-180837-1

Client Sample ID: SUPE-W-04AR2-100224
Date Collected: 10/02/24 17:30
Date Received: 10/04/24 09:00

Lab Sample ID: 180-180837-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.22	0.064	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,3,4,6-Tetrachlorophenol	ND		1.1	0.37	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,3,5,6-Tetrachlorophenol	ND		1.1	0.58	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4,5-Trichlorophenol	ND		1.1	0.29	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4,6-Trichlorophenol	ND		1.1	0.25	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4-Dichlorophenol	ND		0.22	0.058	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4-Dimethylphenol	ND	*+	1.1	0.66	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4-Dinitrophenol	ND		11	3.7	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,4-Dinitrotoluene	ND		1.1	0.40	ug/L		10/09/24 14:23	10/15/24 20:11	1
2,6-Dinitrotoluene	ND		1.1	0.20	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Chloronaphthalene	ND		0.22	0.067	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Chlorophenol	ND		1.1	0.26	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Methylnaphthalene	ND		0.22	0.070	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Methylphenol	ND		1.1	0.63	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Nitroaniline	ND		5.7	0.62	ug/L		10/09/24 14:23	10/15/24 20:11	1
2-Nitrophenol	ND		1.1	0.22	ug/L		10/09/24 14:23	10/15/24 20:11	1
3,3'-Dichlorobenzidine	ND		1.1	0.66	ug/L		10/09/24 14:23	10/15/24 20:11	1
3-Nitroaniline	ND		5.7	0.50	ug/L		10/09/24 14:23	10/15/24 20:11	1
4,6-Dinitro-2-methylphenol	ND		5.7	1.7	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Bromophenyl phenyl ether	ND		1.1	0.36	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Chloro-3-methylphenol	ND		1.1	0.49	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Chloroaniline	ND		1.1	0.43	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Chlorophenyl phenyl ether	ND		1.1	0.25	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Nitroaniline	ND		5.7	0.41	ug/L		10/09/24 14:23	10/15/24 20:11	1
4-Nitrophenol	ND		5.7	1.1	ug/L		10/09/24 14:23	10/15/24 20:11	1
Acenaphthene	**0.12**	**J**	0.22	0.074	ug/L		10/09/24 14:23	10/15/24 20:11	1
Acenaphthylene	ND		0.22	0.074	ug/L		10/09/24 14:23	10/15/24 20:11	1
Anthracene	**1.2**		0.22	0.056	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzo[a]anthracene	ND		0.22	0.085	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzo[a]pyrene	ND		0.22	0.060	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzo[b]fluoranthene	ND		0.22	0.11	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzo[g,h,i]perylene	ND		0.22	0.078	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzo[k]fluoranthene	ND		0.22	0.10	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzoic acid	ND		5.7	2.9	ug/L		10/09/24 14:23	10/15/24 20:11	1
Benzyl alcohol	ND		5.7	1.9	ug/L		10/09/24 14:23	10/15/24 20:11	1
Bis(2-chloroethoxy)methane	ND		1.1	0.17	ug/L		10/09/24 14:23	10/15/24 20:11	1
Bis(2-chloroethyl)ether	ND		0.22	0.045	ug/L		10/09/24 14:23	10/15/24 20:11	1
Bis(2-ethylhexyl) phthalate	ND		11	7.1	ug/L		10/09/24 14:23	10/15/24 20:11	1
bis(chloroisopropyl) ether	ND		0.22	0.066	ug/L		10/09/24 14:23	10/15/24 20:11	1
Butyl benzyl phthalate	ND		2.3	1.1	ug/L		10/09/24 14:23	10/15/24 20:11	1
Chrysene	**0.11**	**J**	0.22	0.092	ug/L		10/09/24 14:23	10/15/24 20:11	1
Dibenz(a,h)anthracene	ND		0.22	0.082	ug/L		10/09/24 14:23	10/15/24 20:11	1
Dibenzofuran	ND		1.1	0.22	ug/L		10/09/24 14:23	10/15/24 20:11	1
Diethyl phthalate	ND		1.1	0.64	ug/L		10/09/24 14:23	10/15/24 20:11	1
Dimethyl phthalate	ND		2.3	0.23	ug/L		10/09/24 14:23	10/15/24 20:11	1
Di-n-butyl phthalate	ND		11	5.6	ug/L		10/09/24 14:23	10/15/24 20:11	1
Di-n-octyl phthalate	ND		1.1	0.78	ug/L		10/09/24 14:23	10/15/24 20:11	1
Fluoranthene	**0.31**		0.22	0.068	ug/L		10/09/24 14:23	10/15/24 20:11	1
Fluorene	ND		0.22	0.078	ug/L		10/09/24 14:23	10/15/24 20:11	1

Client Sample ID: SUPE-W-04AR2-100224
Lab Sample ID: 180-180837-11

Date Collected: 10/02/24 17:30
Matrix: Water
Date Received: 10/04/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.22	0.064	ug/L		10/09/24 14:23	10/15/24 20:11	1
Hexachlorobutadiene	ND		0.22	0.078	ug/L		10/09/24 14:23	10/15/24 20:11	1
Hexachlorocyclopentadiene	ND		1.1	0.56	ug/L		10/09/24 14:23	10/15/24 20:11	1
Hexachloroethane	ND		1.1	0.15	ug/L		10/09/24 14:23	10/15/24 20:11	1
Indeno[1,2,3-cd]pyrene	ND		0.22	0.097	ug/L		10/09/24 14:23	10/15/24 20:11	1
Isophorone	ND		1.1	0.21	ug/L		10/09/24 14:23	10/15/24 20:11	1
Methylphenol, 3 & 4	ND		1.1	0.42	ug/L		10/09/24 14:23	10/15/24 20:11	1
Nitrobenzene	ND		2.3	0.57	ug/L		10/09/24 14:23	10/15/24 20:11	1
N-Nitrosodi-n-propylamine	ND		0.22	0.081	ug/L		10/09/24 14:23	10/15/24 20:11	1
N-Nitrosodiphenylamine	ND		1.1	0.14	ug/L		10/09/24 14:23	10/15/24 20:11	1
Pentachlorophenol	ND		1.1	0.96	ug/L		10/09/24 14:23	10/15/24 20:11	1
Phenanthrene	**0.24**		0.22	0.18	ug/L		10/09/24 14:23	10/15/24 20:11	1
Phenol	ND		1.1	0.55	ug/L		10/09/24 14:23	10/15/24 20:11	1
Pyrene	**0.23**		0.22	0.061	ug/L		10/09/24 14:23	10/15/24 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*42*		*23 - 128*	*10/09/24 14:23*	*10/15/24 20:11*	*1*
2-Fluorobiphenyl	*35*		*20 - 105*	*10/09/24 14:23*	*10/15/24 20:11*	*1*
2-Fluorophenol (Surr)	*36*		*20 - 105*	*10/09/24 14:23*	*10/15/24 20:11*	*1*
Nitrobenzene-d5 (Surr)	*39*		*20 - 107*	*10/09/24 14:23*	*10/15/24 20:11*	*1*
Phenol-d5 (Surr)	*36*		*20 - 106*	*10/09/24 14:23*	*10/15/24 20:11*	*1*
Terphenyl-d14 (Surr)	*41*		*22 - 120*	*10/09/24 14:23*	*10/15/24 20:11*	*1*

Client Sample ID: SUPE-EB-100224
Lab Sample ID: 180-180837-12

Date Collected: 10/02/24 17:45
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 06:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 06:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 06:24	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 06:24	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 06:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 06:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 06:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 06:24	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 06:24	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 06:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 06:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 06:24	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 06:24	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 06:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/09/24 06:24*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*10/09/24 06:24*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/09/24 06:24*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/09/24 06:24*	*1*

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: SUPE-EB-100224
Lab Sample ID: 180-180837-12
Date Collected: 10/02/24 17:45
Matrix: Water
Date Received: 10/04/24 09:00

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		1.0	0.24	ug/L		10/09/24 14:23	10/15/24 20:34	1
1,2-Dichlorobenzene	ND		1.0	0.21	ug/L		10/09/24 14:23	10/15/24 20:34	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 20:34	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:23	10/15/24 20:34	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4-Dimethylphenol	ND	*+	1.0	0.59	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/24 14:23	10/15/24 20:34	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Methylphenol	ND		1.0	0.56	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/24 14:23	10/15/24 20:34	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 20:34	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/24 14:23	10/15/24 20:34	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/24 14:23	10/15/24 20:34	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/24 14:23	10/15/24 20:34	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/24 14:23	10/15/24 20:34	1
Acenaphthene	**0.26**		0.19	0.065	ug/L		10/09/24 14:23	10/15/24 20:34	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/24 14:23	10/15/24 20:34	1
Anthracene	**0.092**	**J**	0.19	0.049	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzoic acid	ND		5.0	2.5	ug/L		10/09/24 14:23	10/15/24 20:34	1
Benzyl alcohol	ND		5.0	1.7	ug/L		10/09/24 14:23	10/15/24 20:34	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/24 14:23	10/15/24 20:34	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/24 14:23	10/15/24 20:34	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/24 14:23	10/15/24 20:34	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/24 14:23	10/15/24 20:34	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		10/09/24 14:23	10/15/24 20:34	1
Chrysene	ND		0.19	0.081	ug/L		10/09/24 14:23	10/15/24 20:34	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/24 14:23	10/15/24 20:34	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 20:34	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/24 14:23	10/15/24 20:34	1
Dimethyl phthalate	ND		2.0	0.20	ug/L		10/09/24 14:23	10/15/24 20:34	1

Client Sample ID: SUPE-EB-100224
Lab Sample ID: 180-180837-12

Date Collected: 10/02/24 17:45
Matrix: Water
Date Received: 10/04/24 09:00

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	ND		10	4.9	ug/L		10/09/24 14:23	10/15/24 20:34	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/24 14:23	10/15/24 20:34	1
Fluoranthene	**0.32**		0.19	0.060	ug/L		10/09/24 14:23	10/15/24 20:34	1
Fluorene	**0.16**	**J**	0.19	0.069	ug/L		10/09/24 14:23	10/15/24 20:34	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/24 14:23	10/15/24 20:34	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/24 14:23	10/15/24 20:34	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/24 14:23	10/15/24 20:34	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/24 14:23	10/15/24 20:34	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/24 14:23	10/15/24 20:34	1
Isophorone	ND		1.0	0.19	ug/L		10/09/24 14:23	10/15/24 20:34	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/24 14:23	10/15/24 20:34	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/24 14:23	10/15/24 20:34	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/24 14:23	10/15/24 20:34	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:23	10/15/24 20:34	1
Pentachlorophenol	ND		1.0	0.85	ug/L		10/09/24 14:23	10/15/24 20:34	1
Phenanthrene	**0.59**		0.19	0.16	ug/L		10/09/24 14:23	10/15/24 20:34	1
Phenol	ND		1.0	0.49	ug/L		10/09/24 14:23	10/15/24 20:34	1
Pyrene	**0.23**		0.19	0.054	ug/L		10/09/24 14:23	10/15/24 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*48*		*23 - 128*	*10/09/24 14:23*	*10/15/24 20:34*	*1*
2-Fluorobiphenyl	*44*		*20 - 105*	*10/09/24 14:23*	*10/15/24 20:34*	*1*
2-Fluorophenol (Surr)	*41*		*20 - 105*	*10/09/24 14:23*	*10/15/24 20:34*	*1*
Nitrobenzene-d5 (Surr)	*49*		*20 - 107*	*10/09/24 14:23*	*10/15/24 20:34*	*1*
Phenol-d5 (Surr)	*42*		*20 - 106*	*10/09/24 14:23*	*10/15/24 20:34*	*1*
Terphenyl-d14 (Surr)	*53*		*22 - 120*	*10/09/24 14:23*	*10/15/24 20:34*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 180-180837-13

Date Collected: 10/02/24 00:00
Matrix: Water
Date Received: 10/04/24 09:00

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			10/09/24 06:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 06:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 06:48	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 06:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 06:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 06:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 06:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 06:48	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 06:48	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 06:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 06:48	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 06:48	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 06:48	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 06:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 06:48	1

Client: Field & Technical Services LLC
Job ID: 180-180837-1
Project/Site: Superior, WI Semiannual Groundwater

Client Sample ID: TRIP BLANK
Lab Sample ID: 180-180837-13
Date Collected: 10/02/24 00:00
Matrix: Water
Date Received: 10/04/24 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/09/24 06:48	1
4-Bromofluorobenzene (Surr)	106		73 - 120		10/09/24 06:48	1
Dibromofluoromethane (Surr)	108		75 - 123		10/09/24 06:48	1
Toluene-d8 (Surr)	104		80 - 120		10/09/24 06:48	1

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

Lab Sample ID: MB 480-727470/8
Matrix: Water
Analysis Batch: 727470

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/09/24 01:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/09/24 01:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/09/24 01:56	1
Benzene	ND		1.0	0.41	ug/L			10/09/24 01:56	1
Chloromethane	ND		1.0	0.35	ug/L			10/09/24 01:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/09/24 01:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/09/24 01:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/09/24 01:56	1
Naphthalene	ND		1.0	0.43	ug/L			10/09/24 01:56	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/09/24 01:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/09/24 01:56	1
o-Xylene	ND		1.0	0.76	ug/L			10/09/24 01:56	1
Styrene	ND		1.0	0.73	ug/L			10/09/24 01:56	1
Toluene	ND		1.0	0.51	ug/L			10/09/24 01:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/09/24 01:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/09/24 01:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/09/24 01:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/09/24 01:56*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/09/24 01:56*	*1*

Lab Sample ID: LCS 480-727470/6
Matrix: Water
Analysis Batch: 727470

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	22.7		ug/L		91	73 - 126
1,2,4-Trimethylbenzene	25.0	22.1		ug/L		88	76 - 121
1,3,5-Trimethylbenzene	25.0	22.2		ug/L		89	77 - 121
Benzene	25.0	23.9		ug/L		95	71 - 124
Chloromethane	25.0	30.1		ug/L		120	68 - 124
Ethylbenzene	25.0	22.9		ug/L		92	77 - 123
Methyl tert-butyl ether	25.0	23.6		ug/L		95	77 - 120
m-Xylene & p-Xylene	25.0	22.6		ug/L		90	76 - 122
Naphthalene	25.0	21.4		ug/L		85	66 - 125
n-Butylbenzene	25.0	21.3		ug/L		85	71 - 128
N-Propylbenzene	25.0	22.8		ug/L		91	75 - 127
o-Xylene	25.0	23.0		ug/L		92	76 - 122
Styrene	25.0	22.7		ug/L		91	80 - 120
Toluene	25.0	22.9		ug/L		92	80 - 122
Xylenes, Total	50.0	45.6		ug/L		91	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: 180-180837-1 MS
Matrix: Water
Analysis Batch: 727470

Client Sample ID: SUPE-W-28C-100224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		25.0	25.4		ug/L		102	73 - 126
1,2,4-Trimethylbenzene	ND		25.0	22.7		ug/L		91	76 - 121
1,3,5-Trimethylbenzene	ND		25.0	23.0		ug/L		92	77 - 121
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Ethylbenzene	ND		25.0	24.5		ug/L		98	77 - 123
Methyl tert-butyl ether	ND		25.0	25.1		ug/L		100	77 - 120
m-Xylene & p-Xylene	ND		25.0	24.2		ug/L		97	76 - 122
Naphthalene	ND		25.0	21.8		ug/L		87	66 - 125
n-Butylbenzene	ND		25.0	22.4		ug/L		89	71 - 128
N-Propylbenzene	ND		25.0	23.9		ug/L		96	75 - 127
o-Xylene	ND		25.0	24.8		ug/L		99	76 - 122
Styrene	ND		25.0	24.0		ug/L		96	80 - 120
Toluene	ND		25.0	24.5		ug/L		98	80 - 122
Xylenes, Total	ND		50.0	49.0		ug/L		98	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 180-180837-1 MSD
Matrix: Water
Analysis Batch: 727470

Client Sample ID: SUPE-W-28C-100224
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	25.5		ug/L		102	73 - 126	0	15
1,2,4-Trimethylbenzene	ND		25.0	22.7		ug/L		91	76 - 121	0	20
1,3,5-Trimethylbenzene	ND		25.0	23.2		ug/L		93	77 - 121	1	20
Benzene	ND		25.0	26.7		ug/L		107	71 - 124	0	13
Ethylbenzene	ND		25.0	24.2		ug/L		97	77 - 123	1	15
Methyl tert-butyl ether	ND		25.0	25.2		ug/L		101	77 - 120	0	37
m-Xylene & p-Xylene	ND		25.0	24.4		ug/L		98	76 - 122	1	16
Naphthalene	ND		25.0	21.6		ug/L		86	66 - 125	1	20
n-Butylbenzene	ND		25.0	22.5		ug/L		90	71 - 128	1	15
N-Propylbenzene	ND		25.0	23.9		ug/L		96	75 - 127	0	15
o-Xylene	ND		25.0	24.3		ug/L		97	76 - 122	2	16
Styrene	ND		25.0	24.0		ug/L		96	80 - 120	0	20
Toluene	ND		25.0	24.3		ug/L		97	80 - 122	1	15
Xylenes, Total	ND		50.0	48.7		ug/L		97	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 180-481417/1-A
Matrix: Water
Analysis Batch: 481792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 09:50	1
1,2-Dichlorobenzene	ND		1.0	0.21	ug/L		10/09/24 14:20	10/15/24 09:50	1
1,3-Dichlorobenzene	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 09:50	1
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L		10/09/24 14:20	10/15/24 09:50	1
1-Methylnaphthalene	ND		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,3,4,6-Tetrachlorophenol	ND		1.0	0.33	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,3,5,6-Tetrachlorophenol	ND		1.0	0.51	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4,5-Trichlorophenol	ND		1.0	0.25	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4,6-Trichlorophenol	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4-Dichlorophenol	ND		0.19	0.051	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4-Dimethylphenol	ND		1.0	0.59	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4-Dinitrophenol	ND		10	3.3	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,4-Dinitrotoluene	ND		1.0	0.35	ug/L		10/09/24 14:20	10/15/24 09:50	1
2,6-Dinitrotoluene	ND		1.0	0.17	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Chloronaphthalene	ND		0.19	0.059	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Chlorophenol	ND		1.0	0.23	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Methylnaphthalene	ND		0.19	0.062	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Methylphenol	ND		1.0	0.56	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Nitroaniline	ND		5.0	0.55	ug/L		10/09/24 14:20	10/15/24 09:50	1
2-Nitrophenol	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 09:50	1
3,3'-Dichlorobenzidine	ND		1.0	0.58	ug/L		10/09/24 14:20	10/15/24 09:50	1
3-Nitroaniline	ND		5.0	0.44	ug/L		10/09/24 14:20	10/15/24 09:50	1
4,6-Dinitro-2-methylphenol	ND		5.0	1.5	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Bromophenyl phenyl ether	ND		1.0	0.32	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Chloro-3-methylphenol	ND		1.0	0.44	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Chloroaniline	ND		1.0	0.38	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Chlorophenyl phenyl ether	ND		1.0	0.22	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Nitroaniline	ND		5.0	0.36	ug/L		10/09/24 14:20	10/15/24 09:50	1
4-Nitrophenol	ND		5.0	0.94	ug/L		10/09/24 14:20	10/15/24 09:50	1
Acenaphthene	ND		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 09:50	1
Acenaphthylene	ND		0.19	0.065	ug/L		10/09/24 14:20	10/15/24 09:50	1
Anthracene	ND		0.19	0.049	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzo[a]anthracene	ND		0.19	0.075	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzo[a]pyrene	ND		0.19	0.053	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzo[b]fluoranthene	ND		0.19	0.097	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzo[g,h,i]perylene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzoic acid	ND		5.0	2.5	ug/L		10/09/24 14:20	10/15/24 09:50	1
Benzyl alcohol	ND		5.0	1.7	ug/L		10/09/24 14:20	10/15/24 09:50	1
Bis(2-chloroethoxy)methane	ND		1.0	0.15	ug/L		10/09/24 14:20	10/15/24 09:50	1
Bis(2-chloroethyl)ether	ND		0.19	0.040	ug/L		10/09/24 14:20	10/15/24 09:50	1
Bis(2-ethylhexyl) phthalate	ND		10	6.2	ug/L		10/09/24 14:20	10/15/24 09:50	1
bis(chloroisopropyl) ether	ND		0.19	0.058	ug/L		10/09/24 14:20	10/15/24 09:50	1
Butyl benzyl phthalate	ND		2.0	0.94	ug/L		10/09/24 14:20	10/15/24 09:50	1
Chrysene	ND		0.19	0.081	ug/L		10/09/24 14:20	10/15/24 09:50	1
Dibenz(a,h)anthracene	ND		0.19	0.072	ug/L		10/09/24 14:20	10/15/24 09:50	1
Dibenzofuran	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 09:50	1
Diethyl phthalate	ND		1.0	0.57	ug/L		10/09/24 14:20	10/15/24 09:50	1

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

Lab Sample ID: MB 180-481417/1-A
Matrix: Water
Analysis Batch: 481792

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 481417

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		2.0	0.20	ug/L		10/09/24 14:20	10/15/24 09:50	1
Di-n-butyl phthalate	ND		10	4.9	ug/L		10/09/24 14:20	10/15/24 09:50	1
Di-n-octyl phthalate	ND		1.0	0.69	ug/L		10/09/24 14:20	10/15/24 09:50	1
Fluoranthene	ND		0.19	0.060	ug/L		10/09/24 14:20	10/15/24 09:50	1
Fluorene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 09:50	1
Hexachlorobenzene	ND		0.19	0.056	ug/L		10/09/24 14:20	10/15/24 09:50	1
Hexachlorobutadiene	ND		0.19	0.069	ug/L		10/09/24 14:20	10/15/24 09:50	1
Hexachlorocyclopentadiene	ND		1.0	0.50	ug/L		10/09/24 14:20	10/15/24 09:50	1
Hexachloroethane	ND		1.0	0.13	ug/L		10/09/24 14:20	10/15/24 09:50	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.085	ug/L		10/09/24 14:20	10/15/24 09:50	1
Isophorone	ND		1.0	0.19	ug/L		10/09/24 14:20	10/15/24 09:50	1
Methylphenol, 3 & 4	ND		1.0	0.37	ug/L		10/09/24 14:20	10/15/24 09:50	1
Nitrobenzene	ND		2.0	0.50	ug/L		10/09/24 14:20	10/15/24 09:50	1
N-Nitrosodi-n-propylamine	ND		0.19	0.071	ug/L		10/09/24 14:20	10/15/24 09:50	1
N-Nitrosodiphenylamine	ND		1.0	0.12	ug/L		10/09/24 14:20	10/15/24 09:50	1
Pentachlorophenol	ND		1.0	0.85	ug/L		10/09/24 14:20	10/15/24 09:50	1
Phenanthrene	ND		0.19	0.16	ug/L		10/09/24 14:20	10/15/24 09:50	1
Phenol	ND		1.0	0.49	ug/L		10/09/24 14:20	10/15/24 09:50	1
Pyrene	ND		0.19	0.054	ug/L		10/09/24 14:20	10/15/24 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*23 - 128*	*10/09/24 14:20*	*10/15/24 09:50*	*1*
2-Fluorobiphenyl	*60*		*20 - 105*	*10/09/24 14:20*	*10/15/24 09:50*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 105*	*10/09/24 14:20*	*10/15/24 09:50*	*1*
Nitrobenzene-d5 (Surr)	*62*		*20 - 107*	*10/09/24 14:20*	*10/15/24 09:50*	*1*
Phenol-d5 (Surr)	*61*		*20 - 106*	*10/09/24 14:20*	*10/15/24 09:50*	*1*
Terphenyl-d14 (Surr)	*57*		*22 - 120*	*10/09/24 14:20*	*10/15/24 09:50*	*1*

Lab Sample ID: LCS 180-481417/2-A
Matrix: Water
Analysis Batch: 481792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	13.1		ug/L		66	51 - 100
1,2-Dichlorobenzene	20.0	12.9		ug/L		64	51 - 100
1,3-Dichlorobenzene	20.0	12.8		ug/L		64	51 - 100
1,4-Dichlorobenzene	20.0	12.7		ug/L		64	52 - 100
1-Methylnaphthalene	20.0	13.5		ug/L		67	53 - 100
2,3,4,6-Tetrachlorophenol	20.0	12.3		ug/L		61	50 - 100
2,4,5-Trichlorophenol	20.0	11.3		ug/L		56	55 - 100
2,4,6-Trichlorophenol	20.0	11.6		ug/L		58	54 - 100
2,4-Dichlorophenol	20.0	13.1		ug/L		66	55 - 100
2,4-Dimethylphenol	20.0	21.2	*+	ug/L		106	51 - 100
2,4-Dinitrophenol	40.0	22.7		ug/L		57	32 - 100
2,4-Dinitrotoluene	20.0	12.9		ug/L		64	56 - 100
2,6-Dinitrotoluene	20.0	12.5		ug/L		63	56 - 101
2-Chloronaphthalene	20.0	11.5		ug/L		58	52 - 100
2-Chlorophenol	20.0	13.0		ug/L		65	53 - 100

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

Lab Sample ID: LCS 180-481417/2-A
Matrix: Water
Analysis Batch: 481792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	20.0	11.8		ug/L		59	53 - 100
2-Methylphenol	20.0	13.6		ug/L		68	51 - 100
2-Nitroaniline	20.0	14.5		ug/L		72	47 - 104
2-Nitrophenol	20.0	13.1		ug/L		65	56 - 100
3,3'-Dichlorobenzidine	20.0	13.3		ug/L		67	42 - 100
3-Nitroaniline	20.0	12.0		ug/L		60	54 - 100
4,6-Dinitro-2-methylphenol	40.0	26.3		ug/L		66	48 - 100
4-Bromophenyl phenyl ether	20.0	14.1		ug/L		71	50 - 100
4-Chloro-3-methylphenol	20.0	14.8		ug/L		74	47 - 105
4-Chloroaniline	20.0	13.4		ug/L		67	48 - 100
4-Chlorophenyl phenyl ether	20.0	14.2		ug/L		71	52 - 100
4-Nitroaniline	20.0	12.4		ug/L		62	54 - 100
4-Nitrophenol	40.0	35.0		ug/L		88	37 - 120
Acenaphthene	20.0	12.6		ug/L		63	51 - 100
Acenaphthylene	20.0	13.6		ug/L		68	54 - 100
Anthracene	20.0	13.2		ug/L		66	54 - 100
Benzo[a]anthracene	20.0	13.4		ug/L		67	52 - 100
Benzo[a]pyrene	20.0	13.0		ug/L		65	52 - 100
Benzo[b]fluoranthene	20.0	13.2		ug/L		66	50 - 100
Benzo[g,h,i]perylene	20.0	14.1		ug/L		71	53 - 100
Benzo[k]fluoranthene	20.0	12.9		ug/L		65	49 - 100
Benzoic acid	20.0	14.0		ug/L		70	31 - 122
Benzyl alcohol	20.0	14.0		ug/L		70	33 - 107
Bis(2-chloroethoxy)methane	20.0	13.1		ug/L		65	49 - 100
Bis(2-chloroethyl)ether	20.0	12.0		ug/L		60	46 - 100
Bis(2-ethylhexyl) phthalate	20.0	14.0		ug/L		70	52 - 101
bis(chloroisopropyl) ether	20.0	14.9		ug/L		75	29 - 102
Butyl benzyl phthalate	20.0	14.6		ug/L		73	52 - 100
Chrysene	20.0	13.0		ug/L		65	51 - 100
Dibenz(a,h)anthracene	20.0	13.0		ug/L		65	52 - 101
Dibenzofuran	20.0	12.4		ug/L		62	53 - 100
Diethyl phthalate	20.0	13.8		ug/L		69	52 - 100
Dimethyl phthalate	20.0	13.3		ug/L		66	55 - 100
Di-n-butyl phthalate	20.0	13.7		ug/L		68	57 - 100
Di-n-octyl phthalate	20.0	15.2		ug/L		76	41 - 100
Fluoranthene	20.0	14.2		ug/L		71	56 - 100
Fluorene	20.0	12.7		ug/L		64	53 - 100
Hexachlorobenzene	20.0	12.6		ug/L		63	46 - 100
Hexachlorobutadiene	20.0	15.1		ug/L		75	42 - 101
Hexachlorocyclopentadiene	20.0	16.1		ug/L		81	38 - 102
Hexachloroethane	20.0	13.3		ug/L		67	46 - 100
Indeno[1,2,3-cd]pyrene	20.0	14.0		ug/L		70	54 - 100
Isophorone	20.0	13.6		ug/L		68	50 - 100
Methylphenol, 3 & 4	20.0	12.7		ug/L		63	51 - 100
Nitrobenzene	20.0	14.1		ug/L		71	47 - 100
N-Nitrosodi-n-propylamine	20.0	14.5		ug/L		73	43 - 103
N-Nitrosodiphenylamine	20.0	13.0		ug/L		65	53 - 100
Pentachlorophenol	40.0	23.4		ug/L		59	35 - 102
Phenanthrene	20.0	12.9		ug/L		65	53 - 100

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

Lab Sample ID: LCS 180-481417/2-A
Matrix: Water
Analysis Batch: 481792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 481417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	20.0	12.9		ug/L		65	49 - 100
Pyrene	20.0	13.2		ug/L		66	53 - 100

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*23 - 128*
2-Fluorobiphenyl	*55*		*20 - 105*
2-Fluorophenol (Surr)	*66*		*20 - 105*
Nitrobenzene-d5 (Surr)	*70*		*20 - 107*
Phenol-d5 (Surr)	*66*		*20 - 106*
Terphenyl-d14 (Surr)	*59*		*22 - 120*

Lab Sample ID: 180-180837-1 MS
Matrix: Water
Analysis Batch: 481792

Client Sample ID: SUPE-W-28C-100224
Prep Type: Total/NA
Prep Batch: 481417

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	ND	F1 F2	20.0	4.43	F1	ug/L		22	51 - 100
1,2-Dichlorobenzene	ND	F1 F2	20.0	3.87	F1	ug/L		19	51 - 100
1,3-Dichlorobenzene	ND	F1 F2	20.0	3.79	F1	ug/L		19	51 - 100
1,4-Dichlorobenzene	ND	F1 F2	20.0	3.66	F1	ug/L		18	52 - 100
1-Methylnaphthalene	0.20	F1 F2	20.0	5.59	F1	ug/L		27	53 - 100
2,3,4,6-Tetrachlorophenol	ND	F1	20.0	5.66	F1	ug/L		28	50 - 100
2,4,5-Trichlorophenol	ND	F1	20.0	6.42	F1	ug/L		32	55 - 100
2,4,6-Trichlorophenol	ND	F1	20.0	6.40	F1	ug/L		32	54 - 100
2,4-Dichlorophenol	ND	F1 F2	20.0	5.58	F1	ug/L		28	55 - 100
2,4-Dimethylphenol	ND	F1 *+ F2	20.0	6.75	F1	ug/L		34	51 - 100
2,4-Dinitrophenol	ND	F1	40.0	7.73	J F1	ug/L		19	32 - 100
2,4-Dinitrotoluene	ND	F1	20.0	6.84	F1	ug/L		34	56 - 100
2,6-Dinitrotoluene	ND	F1	20.0	7.02	F1	ug/L		35	56 - 101
2-Chloronaphthalene	ND	F1	20.0	5.87	F1	ug/L		29	52 - 100
2-Chlorophenol	ND	F1	20.0	5.35	F1	ug/L		27	53 - 100
2-Methylnaphthalene	0.20	F1 F2	20.0	4.69	F1	ug/L		22	53 - 100
2-Methylphenol	ND	F1 F2	20.0	5.71	F1	ug/L		29	51 - 100
2-Nitroaniline	ND	F1	20.0	7.81	F1	ug/L		39	47 - 104
2-Nitrophenol	ND	F1	20.0	5.54	F1	ug/L		28	56 - 100
3,3'-Dichlorobenzidine	ND	F1	20.0	4.59	F1	ug/L		23	42 - 100
3-Nitroaniline	ND	F1	20.0	5.34	F1	ug/L		27	54 - 100
4,6-Dinitro-2-methylphenol	ND	F1	40.0	11.1	F1	ug/L		28	48 - 100
4-Bromophenyl phenyl ether	ND	F1	20.0	7.06	F1	ug/L		35	50 - 100
4-Chloro-3-methylphenol	ND	F1	20.0	6.92	F1	ug/L		35	47 - 105
4-Chloroaniline	ND	F1	20.0	4.90	F1	ug/L		25	48 - 100
4-Chlorophenyl phenyl ether	ND	F1	20.0	6.97	F1	ug/L		35	52 - 100
4-Nitroaniline	ND	F1 F2	20.0	5.44	F1	ug/L		27	54 - 100
4-Nitrophenol	ND		40.0	17.6		ug/L		44	37 - 120
Acenaphthene	1.6	F1	20.0	7.33	F1	ug/L		29	51 - 100
Acenaphthylene	0.081	J F1	20.0	6.48	F1	ug/L		32	54 - 100
Anthracene	1.3	F1	20.0	6.90	F1	ug/L		28	54 - 100
Benzo[a]anthracene	0.81	F1	20.0	7.27	F1	ug/L		32	52 - 100

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

Lab Sample ID: 180-180837-1 MS
Client Sample ID: SUPE-W-28C-100224
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 481792
Prep Batch: 481417

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	0.25	F1	20.0	6.53	F1	ug/L		31	52 - 100
Benzo[b]fluoranthene	0.44	F1 F2	20.0	6.57	F1	ug/L		31	50 - 100
Benzo[g,h,i]perylene	0.15	J F1	20.0	8.52	F1	ug/L		42	53 - 100
Benzo[k]fluoranthene	0.25	F1	20.0	6.23	F1	ug/L		30	49 - 100
Benzoic acid	ND	F1	20.0	ND	F1	ug/L		0	31 - 122
Benzyl alcohol	ND	F1	20.0	6.24	F1	ug/L		31	33 - 107
Bis(2-chloroethoxy)methane	ND	F1	20.0	5.91	F1	ug/L		30	49 - 100
Bis(2-chloroethyl)ether	ND	F1	20.0	5.17	F1	ug/L		26	46 - 100
Bis(2-ethylhexyl) phthalate	ND	F1	20.0	7.95	J F1	ug/L		40	52 - 101
bis(chloroisopropyl) ether	ND	F2	20.0	5.98		ug/L		30	29 - 102
Butyl benzyl phthalate	ND	F1	20.0	8.15	F1	ug/L		41	52 - 100
Chrysene	0.90	F1	20.0	7.11	F1	ug/L		31	51 - 100
Dibenz(a,h)anthracene	ND	F1	20.0	7.69	F1	ug/L		38	52 - 101
Dibenzofuran	0.84	J F1	20.0	6.95	F1	ug/L		31	53 - 100
Diethyl phthalate	ND	F1	20.0	7.61	F1	ug/L		38	52 - 100
Dimethyl phthalate	ND	F1	20.0	7.21	F1	ug/L		36	55 - 100
Di-n-butyl phthalate	ND	F1	20.0	7.28	J F1	ug/L		36	57 - 100
Di-n-octyl phthalate	ND	F1	20.0	7.65	F1	ug/L		38	41 - 100
Fluoranthene	4.6	F1	20.0	9.38	F1	ug/L		24	56 - 100
Fluorene	0.97	F1	20.0	6.56	F1	ug/L		28	53 - 100
Hexachlorobenzene	ND	F1	20.0	6.03	F1	ug/L		30	46 - 100
Hexachlorobutadiene	ND	F1 F2	20.0	4.48	F1	ug/L		22	42 - 101
Hexachlorocyclopentadiene	ND	F1 F2	20.0	1.18	F1	ug/L		6	38 - 102
Hexachloroethane	ND	F1 F2	20.0	3.70	F1	ug/L		19	46 - 100
Indeno[1,2,3-cd]pyrene	0.11	J F1	20.0	8.04	F1	ug/L		40	54 - 100
Isophorone	ND	F1	20.0	6.43	F1	ug/L		32	50 - 100
Methylphenol, 3 & 4	ND	F1 F2	20.0	5.42	F1	ug/L		27	51 - 100
Nitrobenzene	ND	F1 F2	20.0	6.06	F1	ug/L		30	47 - 100
N-Nitrosodi-n-propylamine	ND	F1 F2	20.0	6.46	F1	ug/L		32	43 - 103
N-Nitrosodiphenylamine	ND	F1	20.0	6.03	F1	ug/L		30	53 - 100
Pentachlorophenol	ND	F1 F2	40.0	7.77	F1	ug/L		19	35 - 102
Phenanthrene	1.6	F1	20.0	7.08	F1	ug/L		27	53 - 100
Phenol	1.3	F1	20.0	5.28	F1	ug/L		20	49 - 100
Pyrene	3.2	F1	20.0	8.41	F1	ug/L		26	53 - 100

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*29*		*23 - 128*
2-Fluorobiphenyl	*24*		*20 - 105*
2-Fluorophenol (Surr)	*21*		*20 - 105*
Nitrobenzene-d5 (Surr)	*25*		*20 - 107*
Phenol-d5 (Surr)	*23*		*20 - 106*
Terphenyl-d14 (Surr)	*27*		*22 - 120*

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

Lab Sample ID: 180-180837-1 MSD
Client Sample ID: SUPE-W-28C-100224
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 481792
Prep Batch: 481417

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	ND	F1 F2	20.8	5.41	F1 F2	ug/L		26	51 - 100	20	15
1,2-Dichlorobenzene	ND	F1 F2	20.8	4.76	F1 F2	ug/L		23	51 - 100	21	16
1,3-Dichlorobenzene	ND	F1 F2	20.8	4.65	F1 F2	ug/L		22	51 - 100	20	15
1,4-Dichlorobenzene	ND	F1 F2	20.8	4.60	F1 F2	ug/L		22	52 - 100	23	15
1-Methylnaphthalene	0.20	F1 F2	20.8	6.70	F1 F2	ug/L		31	53 - 100	18	15
2,3,4,6-Tetrachlorophenol	ND	F1	20.8	6.50	F1	ug/L		31	50 - 100	14	21
2,4,5-Trichlorophenol	ND	F1	20.8	6.82	F1	ug/L		33	55 - 100	6	18
2,4,6-Trichlorophenol	ND	F1	20.8	7.14	F1	ug/L		34	54 - 100	11	16
2,4-Dichlorophenol	ND	F1 F2	20.8	6.84	F1 F2	ug/L		33	55 - 100	20	15
2,4-Dimethylphenol	ND	F1 *+ F2	20.8	8.39	F1 F2	ug/L		40	51 - 100	22	16
2,4-Dinitrophenol	ND	F1	41.7	8.75	J F1	ug/L		21	32 - 100	12	19
2,4-Dinitrotoluene	ND	F1	20.8	7.10	F1	ug/L		34	56 - 100	4	16
2,6-Dinitrotoluene	ND	F1	20.8	7.30	F1	ug/L		35	56 - 101	4	16
2-Chloronaphthalene	ND	F1	20.8	6.34	F1	ug/L		30	52 - 100	8	15
2-Chlorophenol	ND	F1	20.8	6.37	F1	ug/L		31	53 - 100	17	17
2-Methylnaphthalene	0.20	F1 F2	20.8	5.93	F1 F2	ug/L		28	53 - 100	23	15
2-Methylphenol	ND	F1 F2	20.8	6.93	F1 F2	ug/L		33	51 - 100	19	16
2-Nitroaniline	ND	F1	20.8	8.61	F1	ug/L		41	47 - 104	10	18
2-Nitrophenol	ND	F1	20.8	6.42	F1	ug/L		31	56 - 100	15	15
3,3'-Dichlorobenzidine	ND	F1	20.8	5.22	F1	ug/L		25	42 - 100	13	15
3-Nitroaniline	ND	F1	20.8	6.17	F1	ug/L		30	54 - 100	15	15
4,6-Dinitro-2-methylphenol	ND	F1	41.7	12.2	F1	ug/L		29	48 - 100	9	15
4-Bromophenyl phenyl ether	ND	F1	20.8	7.75	F1	ug/L		37	50 - 100	9	15
4-Chloro-3-methylphenol	ND	F1	20.8	8.11	F1	ug/L		39	47 - 105	16	18
4-Chloroaniline	ND	F1	20.8	5.59	F1	ug/L		27	48 - 100	13	15
4-Chlorophenyl phenyl ether	ND	F1	20.8	7.68	F1	ug/L		37	52 - 100	10	16
4-Nitroaniline	ND	F1 F2	20.8	6.43	F1 F2	ug/L		31	54 - 100	17	16
4-Nitrophenol	ND		41.7	19.6		ug/L		47	37 - 120	11	18
Acenaphthene	1.6	F1	20.8	7.88	F1	ug/L		30	51 - 100	7	15
Acenaphthylene	0.081	J F1	20.8	7.05	F1	ug/L		33	54 - 100	8	16
Anthracene	1.3	F1	20.8	7.75	F1	ug/L		31	54 - 100	12	15
Benzo[a]anthracene	0.81	F1	20.8	8.09	F1	ug/L		35	52 - 100	11	15
Benzo[a]pyrene	0.25	F1	20.8	7.37	F1	ug/L		34	52 - 100	12	16
Benzo[b]fluoranthene	0.44	F1 F2	20.8	7.75	F1 F2	ug/L		35	50 - 100	16	15
Benzo[g,h,i]perylene	0.15	J F1	20.8	9.57	F1	ug/L		45	53 - 100	12	15
Benzo[k]fluoranthene	0.25	F1	20.8	6.88	F1	ug/L		32	49 - 100	10	20
Benzoic acid	ND	F1	20.8	ND	F1	ug/L		0	31 - 122	NC	32
Benzyl alcohol	ND	F1	20.8	7.04		ug/L		34	33 - 107	12	35
Bis(2-chloroethoxy)methane	ND	F1	20.8	6.81	F1	ug/L		33	49 - 100	14	15
Bis(2-chloroethyl)ether	ND	F1	20.8	5.86	F1	ug/L		28	46 - 100	13	17
Bis(2-ethylhexyl) phthalate	ND	F1	20.8	8.76	J F1	ug/L		42	52 - 101	10	15
bis(chloroisopropyl) ether	ND	F2	20.8	7.62	F2	ug/L		37	29 - 102	24	16
Butyl benzyl phthalate	ND	F1	20.8	9.25	F1	ug/L		44	52 - 100	13	15
Chrysene	0.90	F1	20.8	7.73	F1	ug/L		33	51 - 100	8	15
Dibenz(a,h)anthracene	ND	F1	20.8	8.79	F1	ug/L		42	52 - 101	13	15
Dibenzofuran	0.84	J F1	20.8	7.24	F1	ug/L		31	53 - 100	4	16
Diethyl phthalate	ND	F1	20.8	8.10	F1	ug/L		39	52 - 100	6	15
Dimethyl phthalate	ND	F1	20.8	7.81	F1	ug/L		38	55 - 100	8	15

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

Lab Sample ID: 180-180837-1 MSD
Client Sample ID: SUPE-W-28C-100224
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 481792
Prep Batch: 481417

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Di-n-butyl phthalate	ND	F1	20.8	8.10	J F1	ug/L		39	57 - 100	11	15
Di-n-octyl phthalate	ND	F1	20.8	8.37	F1	ug/L		40	41 - 100	9	17
Fluoranthene	4.6	F1	20.8	9.93	F1	ug/L		25	56 - 100	6	15
Fluorene	0.97	F1	20.8	7.34	F1	ug/L		31	53 - 100	11	17
Hexachlorobenzene	ND	F1	20.8	6.75	F1	ug/L		32	46 - 100	11	15
Hexachlorobutadiene	ND	F1 F2	20.8	5.59	F1 F2	ug/L		27	42 - 101	22	15
Hexachlorocyclopentadiene	ND	F1 F2	20.8	1.55	F1 F2	ug/L		7	38 - 102	27	16
Hexachloroethane	ND	F1 F2	20.8	5.24	F1 F2	ug/L		25	46 - 100	34	16
Indeno[1,2,3-cd]pyrene	0.11	J F1	20.8	9.16	F1	ug/L		43	54 - 100	13	16
Isophorone	ND	F1	20.8	7.25	F1	ug/L		35	50 - 100	12	15
Methylphenol, 3 & 4	ND	F1 F2	20.8	7.29	F1 F2	ug/L		35	51 - 100	29	18
Nitrobenzene	ND	F1 F2	20.8	7.15	F1 F2	ug/L		34	47 - 100	17	16
N-Nitrosodi-n-propylamine	ND	F1 F2	20.8	8.26	F1 F2	ug/L		40	43 - 103	25	16
N-Nitrosodiphenylamine	ND	F1	20.8	7.09	F1	ug/L		34	53 - 100	16	16
Pentachlorophenol	ND	F1 F2	41.7	9.51	F1 F2	ug/L		23	35 - 102	20	17
Phenanthrene	1.6	F1	20.8	7.86	F1	ug/L		30	53 - 100	10	15
Phenol	1.3	F1	20.8	6.08	F1	ug/L		23	49 - 100	14	17
Pyrene	3.2	F1	20.8	9.19	F1	ug/L		29	53 - 100	9	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*32*		*23 - 128*
2-Fluorobiphenyl	*26*		*20 - 105*
2-Fluorophenol (Surr)	*25*		*20 - 105*
Nitrobenzene-d5 (Surr)	*31*		*20 - 107*
Phenol-d5 (Surr)	*27*		*20 - 106*
Terphenyl-d14 (Surr)	*31*		*22 - 120*

GC/MS VOA

Analysis Batch: 727470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-180837-1	SUPE-W-28C-100224	Total/NA	Water	8260C	
180-180837-2	SUPE-W-12A-100224	Total/NA	Water	8260C	
180-180837-3	SUPE-W-12CR-100224	Total/NA	Water	8260C	
180-180837-4	SUPE-W-06A-100224	Total/NA	Water	8260C	
180-180837-5	SUPE-W-30A-100224	Total/NA	Water	8260C	
180-180837-6	SUPE-W-30C-100224	Total/NA	Water	8260C	
180-180837-7	SUPE-W-06C-100224	Total/NA	Water	8260C	
180-180837-8	SUPE-W-10AR2-100224	Total/NA	Water	8260C	
180-180837-9	SUPE-M-99-100224	Total/NA	Water	8260C	
180-180837-11	SUPE-W-04AR2-100224	Total/NA	Water	8260C	
180-180837-12	SUPE-EB-100224	Total/NA	Water	8260C	
180-180837-13	TRIP BLANK	Total/NA	Water	8260C	
MB 480-727470/8	Method Blank	Total/NA	Water	8260C	
LCS 480-727470/6	Lab Control Sample	Total/NA	Water	8260C	
180-180837-1 MS	SUPE-W-28C-100224	Total/NA	Water	8260C	
180-180837-1 MSD	SUPE-W-28C-100224	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 481417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-180837-1	SUPE-W-28C-100224	Total/NA	Water	3520C	
180-180837-2	SUPE-W-12A-100224	Total/NA	Water	3520C	
180-180837-3	SUPE-W-12CR-100224	Total/NA	Water	3520C	
180-180837-4	SUPE-W-06A-100224	Total/NA	Water	3520C	
180-180837-5	SUPE-W-30A-100224	Total/NA	Water	3520C	
180-180837-6	SUPE-W-30C-100224	Total/NA	Water	3520C	
180-180837-7	SUPE-W-06C-100224	Total/NA	Water	3520C	
180-180837-8 - DL	SUPE-W-10AR2-100224	Total/NA	Water	3520C	
180-180837-8	SUPE-W-10AR2-100224	Total/NA	Water	3520C	
180-180837-9	SUPE-M-99-100224	Total/NA	Water	3520C	
180-180837-10	SUPE-W-18D-100224	Total/NA	Water	3520C	
180-180837-11	SUPE-W-04AR2-100224	Total/NA	Water	3520C	
180-180837-12	SUPE-EB-100224	Total/NA	Water	3520C	
MB 180-481417/1-A	Method Blank	Total/NA	Water	3520C	
LCS 180-481417/2-A	Lab Control Sample	Total/NA	Water	3520C	
180-180837-1 MS	SUPE-W-28C-100224	Total/NA	Water	3520C	
180-180837-1 MSD	SUPE-W-28C-100224	Total/NA	Water	3520C	

Analysis Batch: 481792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-180837-1	SUPE-W-28C-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-2	SUPE-W-12A-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-3	SUPE-W-12CR-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-4	SUPE-W-06A-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-5	SUPE-W-30A-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-6	SUPE-W-30C-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-7	SUPE-W-06C-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-8	SUPE-W-10AR2-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-9	SUPE-M-99-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-10	SUPE-W-18D-100224	Total/NA	Water	EPA 8270E LL	481417

GC/MS Semi VOA (Continued)

Analysis Batch: 481792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-180837-11	SUPE-W-04AR2-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-12	SUPE-EB-100224	Total/NA	Water	EPA 8270E LL	481417
MB 180-481417/1-A	Method Blank	Total/NA	Water	EPA 8270E LL	481417
LCS 180-481417/2-A	Lab Control Sample	Total/NA	Water	EPA 8270E LL	481417
180-180837-1 MS	SUPE-W-28C-100224	Total/NA	Water	EPA 8270E LL	481417
180-180837-1 MSD	SUPE-W-28C-100224	Total/NA	Water	EPA 8270E LL	481417

Analysis Batch: 481884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-180837-8 - DL	SUPE-W-10AR2-100224	Total/NA	Water	EPA 8270E LL	481417

>> Select a Laboratory or Service Center <<
#N/A
#N/A
#N/A
##

Chain of Custody Record

eurofins

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager:	Site Contact:	Date: 10/02/2024	COC No:
Field & Technical Services	Email:	Lab Contact:	Carrier: FedEx	___1___ of __2___ COCs
200 Third Avenue	Tel/Fax:			TALS Project #:
Carnegie, PA 15106	Analysis Turnaround Time			Sampler: C. Auch/D. Klingensmith
(412)279-3363 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ___STD___			Walk-in Client:
Project Name: Superior, WI - 2024 OM&M Program	☐ 2 weeks			Lab Sampling:
Site: Superior, WI	☐ 1 week			
PO # OM-0556-24	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOAs (plus napthalene): 8021B	SVOCs (less napthalene): 8270C	SVOAs (including napthalene): 8270	Sample Specific Notes:
SUPE-W-28C-100224	10/02/24	0901	G	W	5	N	Y	X	X		
SUPE-W-28CMS/MSD-100224	10/02/24	0901	G	W	10	N	Y	X	X		
SUPE-W-12A-100224	10/02/24	1059	G	W	5	N	N	X	X		
SUPE-W-12CR-100224	10/02/24	1126	G	W	5	N	N	X	X		
SUPE-W-06A-100224	10/02/24	1202	G	W	5	N	N	X	X		
SUPE-W-30A-100224	10/02/24	1258	G	W	5	N	N	X	X		
SUPE-W-30C-100224	10/02/24	1320	G	W	5	N	N	X	X		
SUPE-W-06C-100224	10/02/24	1408	G	W	5	N	N	X	X		
SUPE-W-10AR2-100224	10/02/24	1510	G	W	5	N	N	X	X		
SUPE-M-99-100224	10/02/24	1521	G	W	5	N	N	X	X		
SUPE-W-18D-100224	10/02/24	1618	G	W	2	N	N			X	
SUPE-W-04AR2-100224	10/02/24	1730	G	W	5	N	N	X	X		

180-180837 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____2____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: FTS	Date/Time: 10/3/24 1245	Received by:	Company: EUFTNG	Date/Time: 10/4/24 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10/17/2024

>> Select a Laboratory or Service Center <<
#N/A
#N/A
#N/A
##

Chain of Custody Record

eurofins | Environment Testing

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager:	Site Contact:	Date: 10/02/2024	COC No:
Field & Technical Services	Email.	Lab Contact:	Carrier: FedEx	2 of 2 COCs
200 Third Ave	Tel/Fax:			TALS Project #:
Carnegie, PA 15106	Analysis Turnaround Time			Sampler: C. Auch/D. Klingensmith
(412)279-3363 Phone	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ____STD____			Walk-in Client:
Project Name: Superior, WI - 2024 OM&M Program	☐ 2 weeks			Lab Sampling:
Site: Superior, WI	☐ 1 week			
P O # OM-0556-24	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOAs (plus napthalene): 8021B	SVOCs (less napthalene): 8270C	SVOAs (including napthalene): 8270	Sample Specific Notes:
SUPE-EB-100224	10/02/24	1745	G	W	5	N	N	X	X		

CA 10/2

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company: FTS	Date/Time: 10/3/24 1245	Received by:	Company: EUFNG	Date/Time: 10/4/24 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10/11/2024

ORIGIN ID:GPZA (412) 963-
DARLA SKOWRONEK
TESTAMERICA PITTSBURGH LA
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

RT 198 1 10:30 A
FZ 197 9000 10.04

TO EUROFINS PITTSB

301 ALPHA DR

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 2.7 °C
Thermometer ID 25
CF 40.1 Initials PM
PT-WI-SR-001 effective 11/8/18

FedEx Express

2 of 2
MPS# 0263 7789 9717 9000
Mstr# 7789 9717 8997

FRI - 04 OCT 10:30A
PRIORITY OVERNIGHT

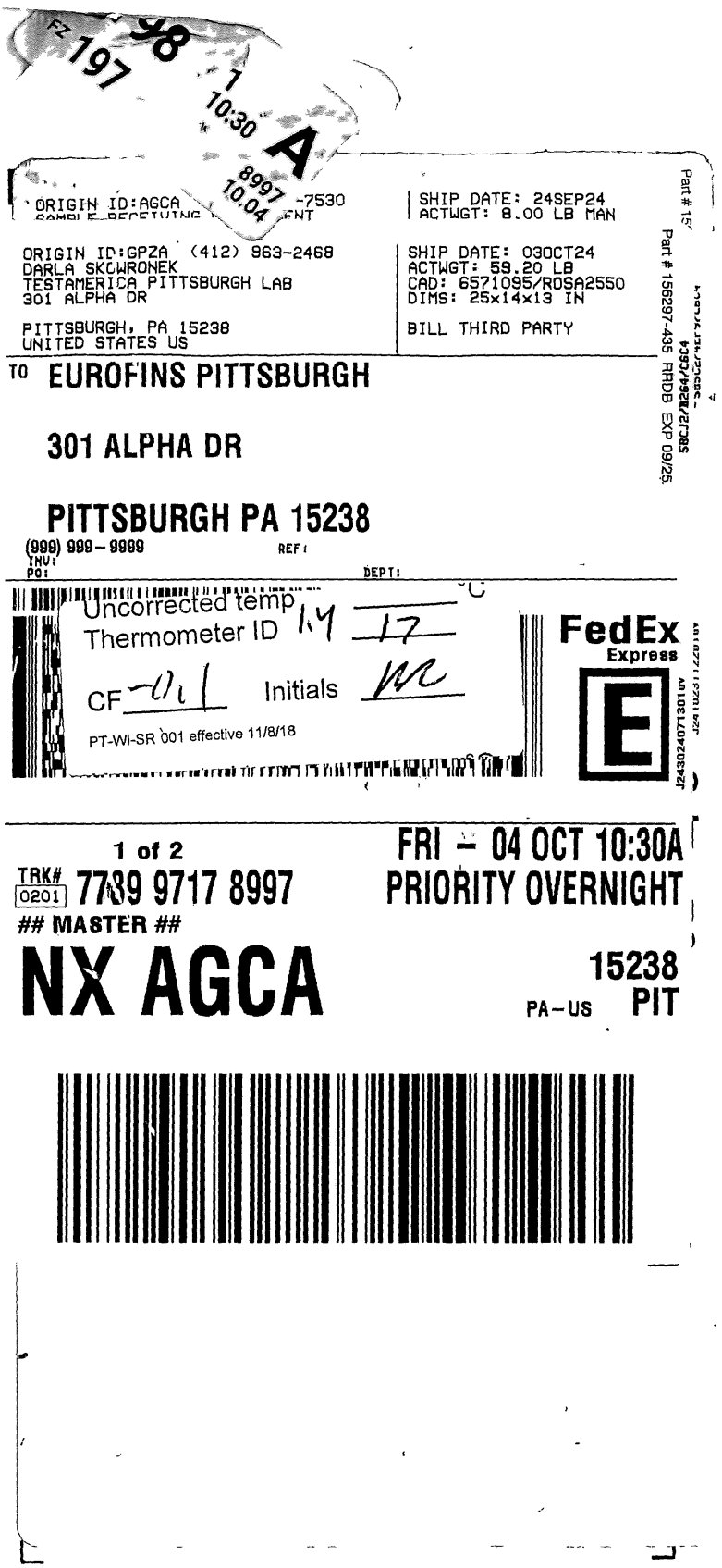
0201

NX AGCA

15238
PA-US PIT

Part # 156297-435 RRDD EXP 09/25

180-180837 Waybill



ORIGIN ID:AGCA -7530
SHIP DATE: 24SEP24
ACTWGT: 8.00 LB MAN

ORIGIN ID:GPZA (412) 963-2468
DARLA SKOWRONEK
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 03OCT24
ACTWGT: 59.20 LB
CAD: 6571095/ROSA2550
DIMS: 25x14x13 IN

BILL THIRD PARTY

Part # 156297-435 RRDB EXP 09/25

TO EUROFINS PITTSBURGH

301 ALPHA DR

PITTSBURGH PA 15238

(999) 999-9999 REF:

INV:
PO: DEPT:

Uncorrected temp 14 17 °C
Thermometer ID
CF -0.1 Initials MC
PT-WI-SR 001 effective 11/8/18

FedEx Express

1 of 2

TRK# 0201 7789 9717 8997

MASTER

NX AGCA

FRI - 04 OCT 10:30A
PRIORITY OVERNIGHT

15238
PA-US PIT

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-525341.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 180-180837-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/24/2024			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Superior, WI Semiannual Groundwater	Project #: 18015916			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Volatiles, project list	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TRIP BLANK (180-180837-13)	10/2/24	Central	G	Water			X	2	Refer to PT-PM-WI-006 for Wisconsin Protocol

Preservation Codes: -

Other:

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10-7-24 1700			10-8-24 1000	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0 IR#5C Ice

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-525339.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 180-180837-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/24/2024	Analysis Requested		Preservation Codes: -
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Superior, WI Semiannual Groundwater	Project #: 18015916			Other:
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Volatiles, project list	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SUPE-W-28C-100224 (180-180837-1)	10/2/24	09:01 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-28C-100224 (180-180837-1MS)	10/2/24	09:01 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-28C-100224 (180-180837-1MSD)	10/2/24	09:01 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-12A-100224 (180-180837-2)	10/2/24	10:59 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-12CR-100224 (180-180837-3)	10/2/24	11:26 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-06A-100224 (180-180837-4)	10/2/24	12:02 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-30A-100224 (180-180837-5)	10/2/24	12:58 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-30C-100224 (180-180837-6)	10/2/24	13:20 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-06C-100224 (180-180837-7)	10/2/24	14:08 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification *Unconfirmed*		*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ______ Months*
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10-7-24 1700	EETNE	VS	10-8-24 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0 IR#5C Ice

Ver: 05/06/2024

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-525339.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Wisconsin	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 180-180837-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/24/2024	Analysis Requested		Preservation Codes: -
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Superior, WI Semiannual Groundwater	Project #: 18015916			
Site:	SSOW#:			Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C (MOD) Volatiles, project list	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SUPE-W-10AR2-100224 (180-180837-8)	10/2/24	15:10 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-M-99-100224 (180-180837-9)	10/2/24	15:21 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-W-04AR2-100224 (180-180837-11)	10/2/24	17:30 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol
SUPE-EB-100224 (180-180837-12)	10/2/24	17:45 Central	G	Water			X	3	Refer to PT-PM-WI-006 for Wisconsin Protocol

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	[signature]	10-7-24 1700	Eurofins	See pg1		
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 05/06/2024

Login Sample Receipt Checklist

Client: Field & Technical Services LLC

Job Number: 180-180837-1

Login Number: 180837
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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?	True	
There are no discrepancies between the containers received and the COC.	False	
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").	False	
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: 180-180837-1

Login Number: 180837
List Number: 2
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo
List Creation: 10/08/24 11:10 AM

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	2.0 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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.	N/A	

APPENDIX F

ASCII DATA

(THIS INFORMATION HAS BEEN SENT DIRECTLY TO THE GEMS DATABASE FOR VIEWING.)