March 12, 2025

Mr. Matt Thompson
Wisconsin Department of Natural Resources
1300 W. Clairemont Avenue
Eau Claire, WI 54701

Re: Status Report
Wausau Business Incubator (Former)
1300 Cleveland Avenue, Wausau, WI
WDNR BRRTS# 02-37-587081

Dear Mr. Thompson:

GEI Consultants, Inc. (GEI), on behalf of the City of Wausau (City), is submitting this status report for the Wausau Business Incubator (Former) site located at 1300 Cleveland Avenue in the city of Wausau, Marathon County, Wisconsin. This report summarizes the installation of two additional groundwater monitoring wells in July 2024 and completion of two additional rounds of groundwater sampling for pre-and polyfluoroalkyl substances (PFAS) in August and November 2024. The well installations and sampling were completed in response to email correspondence from the Wisconsin Department of Natural Resources (WDNR) dated September 25, 2023, which indicated that further site investigation was necessary to address the prior detections of PFAS in environmental media at the site.

We previously provided an opinion to the WDNR that, based on a review of reasonably ascertainable historical site use records and collective site data, the PFAS detected in environmental media at the site was likely associated with an offsite source and/or regional background condition rather than being attributable to a former release at the site. Based on the results of additional investigative activities presented herein, which in our opinion, provide conclusive evidence that PFAS detected at the site is associated with an offsite source and/or regional background condition, we anticipate the WDNR will conclude that the site investigation is complete and the groundwater monitoring wells can be abandoned to prepare the site for remedial actions, regulatory case closure and subsequent future redevelopment.

Procedures

Monitoring Well Installation and Development

GEI and a subcontract drilling firm (Geiss Soil & Samples, LLC of Merrill, Wisconsin) mobilized to the site on July 16, 2024, to install and develop two groundwater monitoring wells. One well was installed in City right-of-way (R/W) north of the site, along the south side of East Thomas Street (MW-36), and the other well was installed in City R/W west of the site, along the west side of South Third Avenue (MW-37). The well locations were selected to assess subsurface conditions upgradient of the site, based on historical

site data which indicated prevailing groundwater flow directions to the south and southeast. The locations of the installed wells are depicted on the enclosed Monitoring Well Location Diagram (Figure B.3.d) and Photographic Log.

Each groundwater monitoring well was installed and developed in general accordance with ch. NR 141, Wisconsin Administrative Code. The borings for MW-36 and MW-37 were blind drilled from the ground surface to the termination depths of 36 feet and 37 feet, respectively, using 4.25-inch inside diameter (approximately 8.25-inch outside diameter) hollow-stem augers. A monitoring well was installed in each completed boring, with the monitoring well consisting of a factory-cut, 2-inch diameter, 10-foot-long section of polyvinyl chloride (PVC) well screen installed to intersect the groundwater surface, with the upper end of the well screen being threaded onto a section of 2-inch diameter solid PVC pipe terminating slightly below the ground surface within a metal at-grade (i.e., flush mount) protector pipe. Soil boring logs and well installation diagrams for MW-36 and MW-37 are enclosed.

Following installation, top-of-casing elevations for the installed wells were obtained using Trimble Global Positioning System (GPS) equipment, which were subsequently used to establish groundwater elevations and interpret groundwater flow directions present during the groundwater sampling events. Casing and groundwater elevations obtained during the investigation activities are provided on the enclosed Table A.6 (Groundwater Elevation Data Summary).

Down-hole equipment used to advance the borings and install the wells (augers, etc.) was decontaminated before its initial use and between boring locations to reduce the potential for cross-contamination. Two equipment blank samples (EB-MW36 and EB-MW37) were collected and submitted for laboratory analysis of PFAS to assess the effectiveness of the equipment decontamination procedures (i.e., for quality assurance and quality control [QA/QC]). Each equipment blank sample consisted of PFAS-free water provided by the analytical laboratory (Pace Analytical Services, LLC of Green Bay, Wisconsin [Pace]) that was poured by GEI over decontaminated augers and collected in clean sample containers provided by the laboratory. The laboratory analytical report that provides results of the equipment blank samples (Pace Project No. 40281272; July 26, 2024) is enclosed.

During drilling, visual and olfactory observations were used to assess the environmental condition of the soil cuttings (soil investigative derived waste [IDW]), which were contained in metal drums for storage on the site pending waste characterization and offsite disposition. Following installation, the monitoring wells were developed until clear, artifact-free water was produced, with the produced water (groundwater IDW) also being contained in metal drums for storage on the site pending groundwater monitoring results and offsite disposition. Groundwater IDW was subsequently collected and transported by the City for disposal at the City's Wastewater Treatment Plant. Soil IDW was subsequently collected and transported by the City for disposal at the Marathon County Solid Waste facility.

Monitoring Well Sampling

PFAS groundwater sampling was completed on two occasions (August 20 and November 26, 2024) at the new and previously installed monitoring wells, including SB-1R, SB-5R, SB-14R, SBGW-1R, SBGW-3R, MW-36, and MW-37. Prior to sampling, groundwater levels were recorded using an electronic water level indicator that was decontaminated with Alconox soap followed by several water rinses using

laboratory-provided, PFAS-free water. The water level indicator probe was decontaminated before its use at each well, with water from the final rinse at the first well location being collected for analysis as an equipment blank (Equipment Blank) for QC purposes during each sampling event. Based on measured depths to groundwater and the top of well casing elevations, groundwater elevations were determined. After recording the depth to groundwater, dedicated high-density polyethylene (HDPE) bailers and dedicated nylon rope were used to purge approximately four well volumes and then collect a groundwater sample from each well. A duplicate sample was collected from one well during each sampling event (SB-14R DUP in August and SB-3R DUP in November) for QC purposes. Additionally, a field blank sample (Field Blank) was generated during each event for QC purposes by slowly pouring PFAS-free water from one laboratory-provided container into another laboratory-provided container while at the site. For each sampling event, the seven primary groundwater samples, one duplicate groundwater sample, one equipment blank sample, and one field blank sample were delivered under chain-of-custody control to Pace for analysis of PFAS. The laboratory analytical reports that provide results of the August (Pace Project No. 40282876; September 12, 2024) and November (Pace Project No. 40288120; December 13, 2024) sampling events are enclosed.

Purge water generated during each sampling event was contained in metal drums for storage on the site pending groundwater monitoring results and offsite disposition.

Results

Drilling Observations

No obvious indicators of potential environmental impairment were noted at MW-37 during completion of the soil boring or installation of the groundwater monitoring well. Obvious indicators of potential environmental impairment were also not noted in the vadose zone at MW-36 during completion of the soil boring or installation of the groundwater monitoring well; however, indeterminate odors were noted for soil cuttings retrieved from the saturated zone (deeper than approximately 28 feet) at that location. Based on a review of available WDNR records, MW-36 was installed near the location of a previously existing well (W19) that was established by others for investigation of the Wauleco, Inc. site (WDNR BRRTS No. 02-37-000006). Historically, the W19 location was documented by others as being within a groundwater contaminant plume characterized by concentrations pentachlorophenol and petroleum hydrocarbons above ch. NR 141, Wisconsin Administrative Code Preventive Action Limits and/or Enforcement Standards.

Groundwater Sampling Observations

Wells SB-1R, SB-5R, SB-14R, SBGW-1R, SBGW-3R, MW-36, and MW-37 were accessible during each sampling event and observed in good condition, and contained sufficient water for sampling. During purging and sampling using bailers, water recovered from the wells was documented to be slightly to moderately turbid, with no obvious sheen or chemical odor.

Groundwater elevations obtained during sampling were used to prepare groundwater contour maps, which are enclosed as Figures B.3.c.1 and B.3.c.2. Collectively, the attached table and figures indicate a depth to groundwater ranging between approximately 24 and 31 feet, groundwater flow directions

generally to the southeast (August) and east-southeast (November), and an approximate hydraulic gradients of 0.0023 in August (1 foot per 430 feet) and 0.0078 in November (1 foot per 130 feet). Based on the water level elevations, the site is considered to be downgradient of MW-36 and MW-37.

Analytical Results

Groundwater analytical results are summarized on the enclosed Groundwater Analytical Results table (Table A.1) and on Figures B.3.c.1 and B.3.c.2.

Laboratory analytical results identified several PFAS analytes above the levels of detection (LODs) in each groundwater sample; however, most of the detections were "j-flagged" as being estimated concentrations below the limits of quantitation (LOQs). For both sampling events, the concentrations of PFOA and PFOS detected in the offsite upgradient wells (MW-36 and MW-37) and in the most upgradient well positioned on the site (SBGW-3R) were similar to or higher than the concentrations detected in the other onsite wells. Additionally, the total combined PFAS concentrations detected in those same upgradient wells were noticeably higher than the concentrations detected in other onsite wells. During the August and November sampling events, total PFAS concentrations in the upgradient wells ranged from approximately 50 to 118 ng/L and 134 to 228 ng/L, respectively. Meanwhile, the total PFAS concentrations detected in other onsite wells during the August and November sampling events ranged from approximately 20 to 63 ng/L and 22 to 96 ng/L, respectively.

No PFAS analytes were detected in the July 2024 equipment blank sample obtained before drilling MW-36. One PFAS analyte (6:2 FTS) was detected in the July 2024 equipment blank sample obtained before drilling MW-37; however, the detection was "j-flagged" as being an estimated concentration (0.75 nanograms per liter [ng/L]) below the LOQ. No PFAS analytes were detected in the equipment blank sample obtained during the August groundwater sampling event. Low-level concentrations of PFAS were detected in the field blank sample obtained during the August groundwater sampling event and in both the equipment blank and field blanks samples obtained during the November groundwater sampling event; however, the detections were "j-flagged" as being estimated concentrations (total PFAS ranging between 0.74 and 2.8 ng/L) below the LOQs. For the purposes of this investigation, the field and equipment blank results are considered acceptable to demonstrate that ambient conditions, sampling equipment, and sampling methods did not substantially influence the sampling results at the monitoring well locations. The results of the duplicate samples collected at SB-3R and SB-14R suggest some variability in the laboratory data; however, the Relative Percent Difference (RPD) is less than 30%, which is generally considered acceptable for aqueous matrices when the reported values are near or below the LOQs. Accordingly, the duplicate sample results suggest reasonable field sampling and intra-laboratory precision.

Collectively, it is our opinion that these results sufficiently demonstrate that PFAS detections in environmental media at the site are not associated with a former release at the site but rather, they are attributable to an offsite source and/or are characteristic of regional background conditions. Accordingly, we request concurrence from the WDNR that the site investigation is complete, and approval from the WDNR to abandon the five onsite wells and two offsite wells to prepare the site for remedial actions, regulatory case closure and subsequent future redevelopment.

We appreciate your consideration of this submittal and look forward to your response. If you have any questions regarding this submittal, please contact Mr. Mike DeBraske at (920) 455-8655.

Sincerely,

GEI CONSULTANTS, INC.

Michael L. DeBraske
Senior Engineer

Paul R. Blindauer
Vice President/Senior Consultant

Enclosures:

Photographic Log
Table A.1 – Groundwater Analytical Results
Table A.6 – Groundwater Elevation Data Summary
Figure B.3.d – Monitoring Well Location Diagram
Figure B.3.c.1 – Monitoring Well Data Summary Map (August 2024)
Figure B.3.c.2 – Monitoring Well Data Summary Map (November 2024)
Soil Boring Logs and Well Installation Diagrams
Laboratory Analytical Report (Pace Project #40281272)
Laboratory Analytical Report (Pace Project #40282876)
Laboratory Analytical Report (Pace Project #40288120)

Cc: Mr. Eric Lindman, City of Wausau

PHOTOGRAPHIC LOG

GEI Consultants

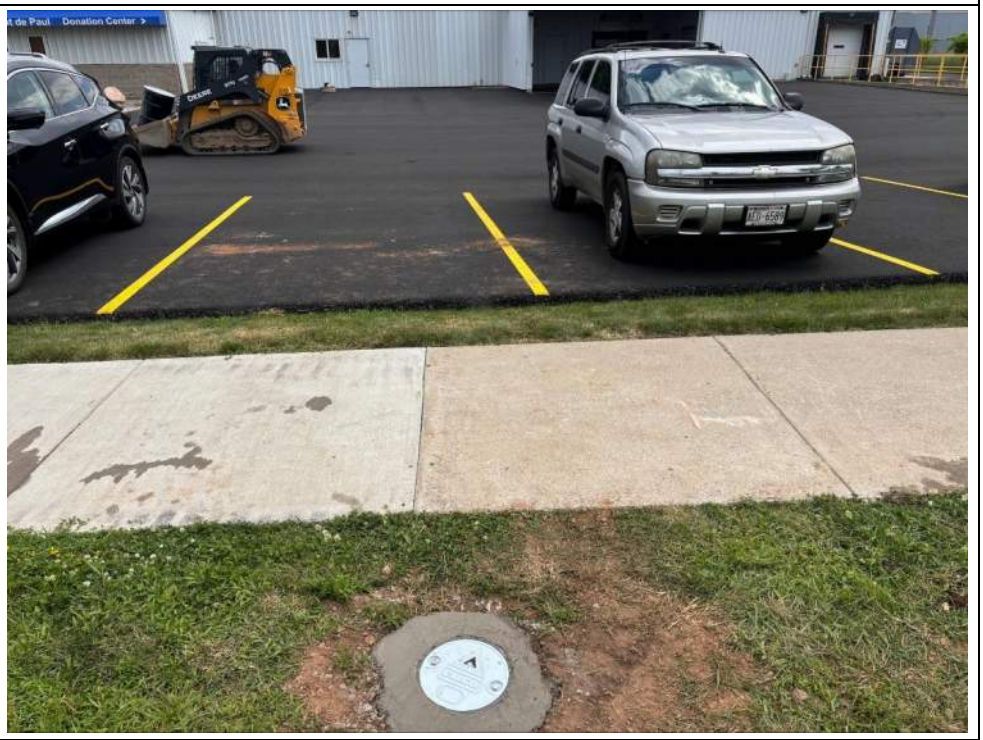
Photo #	Date	Direction	Location: R/W along E. Thomas St (North of Former Wausau Incubator Site)
1	07/16/24	S	Client: City of Wausau
Description			
MW-36 located north of the St. Vincent de Paul property (131 W. Thomas St).			

Photo #	Date	Direction	Location: R/W along E. Thomas St (North of Former Wausau Incubator Site)
2	07/16/24	N	Client: City of Wausau
Description			
MW-36 located north of the St. Vincent de Paul property (131 W. Thomas St).			

PHOTOGRAPHIC LOG

GEI Consultants

Photo #	Date	Direction	Location: R/W along S. 3rd Ave (West of Former Wausau Incubator Site)
3	07/16/24	W	**Client:** City of Wausau
Description			
MW-37 located east of a residential property (1122 S. 3rd Ave).			

Photo #	Date	Direction	Location: R/W along S. 3rd Ave (West of Former Wausau Incubator Site)
4	07/16/24	E	**Client:** City of Wausau
Description			
MW-37 located east of a residential property (1122 S. 3rd Ave).			

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SBGW-1%	SBGW-1R					SBGW-1R DUP	SBGW-2%	SBGW-3%	SBGW-3R					SB-3R DUP
Name & CAS #		**NR 140 PAL**	**NR 140 ES**	10/12/20	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	04/24/23	10/12/20	10/12/20	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	11/26/24
PRIORITY POLLUTANT METALS[3] (ug/L)																		
Antimony	7440-36-0	1.2	6.0	< 0.15	---	---	---	---	---	---	< 0.15	< 0.15	---	---	---	---	---	---
Arsenic	7440-38-2	1	10	0.45 J	---	---	---	---	---	---	< 0.28	< 0.28	---	---	---	---	---	---
Beryllium	7440-41-7	0.4	4.0	< 0.25	---	---	---	---	---	---	< 0.25	< 0.25	---	---	---	---	---	---
Cadmium	7440-43-9	0.5	5.0	< 0.15	---	---	---	---	---	---	< 0.15	< 0.15	---	---	---	---	---	---
Chromium	7440-47-3	10	100	< 1.0	---	---	---	---	---	---	< 1.0	< 1.0	---	---	---	---	---	---
Copper	7440-50-8	1,300	130	6.8	---	---	---	---	---	---	< 1.9	< 1.9	---	---	---	---	---	---
Lead	7439-92-1	1.5	15	< 0.24	---	---	---	---	---	---	< 0.24	< 0.24	---	---	---	---	---	---
Nickel	7440-02-0	100	20	1.0	---	---	---	---	---	---	5.7	9.7	---	---	---	---	---	---
Selenium	7782-49-2	10	50	< 0.32	---	---	---	---	---	---	< 0.32	< 0.32	---	---	---	---	---	---
Silver	7440-22-4	10	50	< 0.13	---	---	---	---	---	---	< 0.13	< 0.13	---	---	---	---	---	---
Thallium	7440-28-0	0.4	2.0	< 0.14	< 0.14	---	---	---	---	---	< 0.14	< 0.14	---	---	---	---	---	---
Zinc	7440-66-6	5	2.5	< 10.3	---	---	---	---	---	---	< 10.3	< 10.3	---	---	---	---	---	---
Mercury	7439-97-6	0.2	2.0	< 0.066	---	---	---	---	---	---	< 0.066	< 0.066	---	---	---	---	---	---
SEMI-VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																		
Acenaphthene	83-32-9	NE	NE	< 0.0055	< 0.013	---	---	---	---	---	< 0.006	< 0.005	< 0.013	---	---	---	---	---
Acenaphthylene	208-96-8	NE	NE	< 0.0045	< 0.012	---	---	---	---	---	< 0.005	< 0.004	< 0.012	---	---	---	---	---
Anthracene	120-12-7	600	3,000	0.082	< 0.017	---	---	---	---	---	0.090	0.26	0.063	---	---	---	---	---
Benzo(a)anthracene	56-55-3	NE	NE	0.011 J	< 0.012	---	---	---	---	---	< 0.007	0.010 J	< 0.012	---	---	---	---	---
Benzo(a)pyrene	50-32-8	0.02	0.2	< 0.0095	< 0.018	---	---	---	---	---	< 0.01	< 0.009	< 0.018	---	---	---	---	---
Benzo(b)fluoranthene	205-99-2	0.02	0.2	< 0.0052	< 0.018	---	---	---	---	---	< 0.005	0.005 J	< 0.018	---	---	---	---	---
Benzo(g,h,i)perylene	191-24-2	NE	NE	< 0.0061	< 0.021	---	---	---	---	---	< 0.006	< 0.006	< 0.021	---	---	---	---	---
Benzo(k)fluoranthene	207-08-9	NE	NE	< 0.0068	< 0.020	---	---	---	---	---	< 0.007	< 0.007	< 0.020	---	---	---	---	---
Chrysene[4]	218-01-9	0.02	0.2	0.027 J	< 0.024	---	---	---	---	---	0.020 J	0.052 J	< 0.024	---	---	---	---	---
Dibenzo(a,h)anthracene	53-70-3	NE	NE	< 0.0090	< 0.016	---	---	---	---	---	< 0.009	< 0.009	< 0.016	---	---	---	---	---
Fluoranthene	206-44-0	80	400	0.010 J	< 0.024	---	---	---	---	---	0.013 J	0.017 J	< 0.024	---	---	---	---	---
Fluorene	86-73-7	80	400	< 0.0072	< 0.022	---	---	---	---	---	< 0.007	0.030 J	< 0.022	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	193-39-5	NE	NE	< 0.016	< 0.014	---	---	---	---	---	< 0.016	< 0.016	< 0.014	---	---	---	---	---
1-Methylnaphthalene	90-12-0	NE	NE	< 0.0053	< 0.016	---	---	---	---	---	< 0.006	< 0.005	< 0.016	---	---	---	---	---
2-Methylnaphthalene	91-57-6	NE	NE	< 0.0044	< 0.013	---	---	---	---	---	< 0.005	< 0.004	< 0.013	---	---	---	---	---
Naphthalene	91-20-3	10	100	< 0.017	< 0.018	---	---	---	---	---	< 0.017	< 0.016	< 0.018	---	---	---	---	---
Pentachlorophenol	87-86-5	0.1	1.0	< 4.3	---	---	---	---	---	---	< 4.4	< 4.3	---	---	---	---	---	---
Phenanthrene	85-01-8	NE	NE	0.095	< 0.023	---	---	---	---	---	0.072	0.044 J	< 0.024	---	---	---	---	---
Pyrene	129-00-0	50	250	0.014 J	< 0.021	---	---	---	---	---	0.018 J	0.020 J	< 0.021	---	---	---	---	---

Notes

(µg/L) = micrograms per liter < = not detected above method detection limit (MDL)

J = concentration between detection limit and reporting limit NE = Not Established B=Detected in Method Blank --- = not analyzed

[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SBGW-1[%]	SBGW-1R					SBGW-1R DUP	SBGW-2[%]	SBGW-3[%]	SBGW-3R					SB-3R DUP
Name & CAS #		**NR 140 PAL**	**NR 140 ES**	10/12/20	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	04/24/23	10/12/20	10/12/20	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	11/26/24
PFAS (ng/L)																		
11Cl-PF3OUdS	763051-92-9	NE	NE	---	---	< 0.60	< 0.59	< 2.1	< 23.3	< 0.61	---	---	---	< 0.61	< 0.61	< 4.0	< 24.4	< 26.3
4:2 FTS	757124-72-4	NE	NE	---	---	< 0.78	< 0.78	< 1.9	< 20.8	< 0.81	---	---	---	< 0.80	< 0.81	< 3.6	< 21.8	< 23.5
6:2 FTS	27619-97-2	NE	NE	---	---	< 1.8	< 1.8	< 2.9	< 32.8	< 1.8	---	---	---	7.6	< 1.9	< 5.6	< 34.3	< 37.0
8:2 FTS	39108-34-4	NE	NE	---	---	< 1.4	< 1.4	< 4.1	< 45.3	< 1.5	---	---	---	< 1.5	< 1.5	< 7.8	< 47.4	< 51.1
9Cl-PF3ONS	756426-58-1	NE	NE	---	---	< 0.43	< 0.43	< 1.8	< 20.3	< 0.44	---	---	---	< 0.44	< 0.45	< 3.5	< 21.2	< 22.8
ADONA	919005-14-4	NE	NE	---	---	< 0.43	< 0.43	< 1.7	< 18.4	< 0.45	---	---	---	< 0.44	< 0.45	< 3.1	< 19.2	< 20.7
HFPO-DA	13252-13-6	NE	NE	---	---	< 1.9	< 1.8	< 1.3	< 14.5	< 1.9	---	---	---	< 1.9	< 1.9	< 2.5	< 15.1	< 16.3
NEtFOSA	4151-50-2	NE	NE	---	---	< 1.2	< 1.2	< 2.3	< 26.1	< 1.2	---	---	---	< 1.2	< 1.3	< 4.5	< 27.3	< 29.4
NEtFOSAA	2991-50-6	NE	NE	---	---	< 0.67	< 0.67	< 2.9	< 32.6	< 0.69	---	---	---	< 0.69	< 0.69	< 5.6	< 34.1	< 36.8
NEtFOSE	1691-99-2	NE	NE	---	---	< 0.86	< 0.85	< 3.1	< 34.4	< 0.88	---	---	---	< 0.87	< 0.88	< 5.9	< 36.1	< 38.8
NMeFOSA	31506-32-8	NE	NE	---	---	< 1.1	< 1.1	< 3.2	< 35.9	< 1.2	---	---	---	< 1.2	< 1.2	< 6.1	< 37.6	< 40.4
NMeFOSAA	2355-31-9	NE	NE	---	---	< 0.84	< 0.83	< 4.0	< 44.7	< 0.86	---	---	---	< 0.85	< 0.86	< 7.7	< 46.9	< 50.5
NMeFOSE	24448-09-7	NE	NE	---	---	< 1.2	< 1.1	< 2.5	< 27.6	< 1.2	---	---	---	< 1.2	< 1.2	< 4.7	< 28.9	< 31.1
PFBA	375-22-4	NE	NE	---	---	2.2 J	2.5 J	3.7 J	< 16.1	2.0 J	---	---	---	9.4	3.5 J	4.9 J	< 16.8	< 18.1
PFBS	375-73-5	NE	NE	---	---	1.7 J	1.6 J	1.3 J	< 11.6	1.6 J	---	---	---	13	6.4	11.3 J	16.8 J	17.7 J
PFDA	335-76-2	NE	NE	---	---	< 0.47	< 0.47	< 1.3	< 14.3	< 0.48	---	---	---	< 0.48	< 0.49	< 2.5	< 15.0	< 16.2
PFDoA	307-55-1	NE	NE	---	---	< 0.42	< 0.42	< 2.2	< 24.8	< 0.43	---	---	---	< 0.43	< 0.44	< 4.2	< 26.0	< 28.0
PFDoS	79780-39-5	NE	NE	---	---	< 0.94	< 0.93	< 2.8	< 30.6	< 0.96	---	---	---	< 0.96	< 0.97	< 5.2	< 32.0	< 34.5
PFDS	335-77-3	NE	NE	---	---	< 0.70	< 0.69	< 2.9	< 32.6	< 0.72	---	---	---	< 0.71	< 0.72	< 5.6	< 34.1	< 36.8
PFHpA	375-85-9	NE	NE	---	---	0.87 J	1.0 J	1.4 J	< 13.5	0.81 J	---	---	---	5.2	2.0 J	3.3 J	< 14.1	< 15.2
PFHpS	375-92-8	NE	NE	---	---	< 0.45	< 0.44	< 3.3	< 36.1	< 0.46	---	---	---	0.47 J	< 0.46	< 6.2	< 37.9	< 40.8
PFHxA	307-24-4	NE	NE	---	---	< 0.62	1.0 J	< 2.0	< 21.7	0.79 J	---	---	---	5.6	2.7 J	3.7	< 22.7	< 24.5
PFHxS	355-46-4	NE	NE	---	---	1.6 J	1.4 J	2.4 J	< 13.4	1.2 J	---	---	---	7.7	4.0	5.4 J	< 14.1	15.4 J
PFNA	375-95-1	NE	NE	---	---	< 0.41	< 0.41	< 1.1	< 12.0	< 0.43	---	---	---	0.43 J	< 0.43	< 2.1	< 12.6	< 13.5
PFNS	68259-12-1	NE	NE	---	---	< 0.64	< 0.63	< 2.4	< 27.2	< 0.66	---	---	---	< 0.65	< 0.66	< 4.7	< 28.5	< 30.7
PFOA	335-67-1	NE	NE	---	---	3.7	4.3	6.3 J	< 15.3	3.4 J	---	---	---	19	8.3	12.5 J	27.6 J	41.7 J
PFOS	1763-23-1	NE	NE	---	---	4.0	4.8	4.7 J	45.3 J	5.3	---	---	---	23	8.5	12.8 J	61.9 J	75.2 J
PFOSA	754-91-6	NE	NE	---	---	< 0.55	< 0.55	< 2.1	< 22.8	< 0.56	---	---	---	< 0.56	< 0.57	< 3.9	< 23.9	< 25.8
PFPeA	2706-90-3	NE	NE	---	---	< 0.49	0.93 J	< 0.95	< 10.5	0.79 J	---	---	---	3.5 J	1.6 J	< 1.8	< 11.0	< 11.8
PFPeS	2706-91-4	NE	NE	---	---	< 0.53	< 0.53	< 1.3	< 14.7	< 0.55	---	---	---	1.3 J	0.75 J	< 2.5	< 15.4	< 16.6
PFTeDA	376-06-7	NE	NE	---	---	< 0.54	< 0.53	< 1.9	< 20.7	< 0.55	---	---	---	< 0.55	< 0.56	< 3.5	< 21.7	< 23.4
PFTrDA	72629-94-8	NE	NE	---	---	< 0.48	< 0.47	< 1.5	< 16.2	< 0.49	---	---	---	< 0.48	< 0.49	< 2.8	< 16.9	< 18.3
PFUnA	2058-94-8	NE	NE	---	---	< 0.56	< 0.56	< 3.3	< 36.7	< 0.58	---	---	---	< 0.57	< 0.58	< 6.3	< 38.4	< 41.4
VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																		
No VOCs Identified Above Method Detection Limit (MDL)				< MDL	---	---	---	---	---	---	< MDL	< MDL	---	---	---	---	---	---

Notes

(µg/L) = micrograms per liter
< = not detected above method detection limit (MDL)
J = concentration between detection limit and reporting limit
NE = Not Established
B=Detected in Method Blank
--- = not analyzed

[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SB-1R					SB-1R DUP	SB-5R					SB-14R				
Name & CAS #		NR 140 PAL	NR 140 ES	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	12/20/22	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	08/18/21	12/20/22	04/23/23	08/20/24	11/26/24
PRIORITY POLLUTANT METALS[3] (ug/L)																			
Antimony	7440-36-0	1.2	6.0	---	---	---	---	---	---	---	---	---	---	---	< 0.15	---	---	---	---
Arsenic	7440-38-2	1	10	---	---	---	---	---	---	---	---	---	---	---	< 0.28	---	---	---	---
Beryllium	7440-41-7	0.4	4.0	---	---	---	---	---	---	---	---	---	---	---	< 0.25	---	---	---	---
Cadmium	7440-43-9	0.5	5.0	---	---	---	---	---	---	---	---	---	---	---	< 0.15	---	---	---	---
Chromium	7440-47-3	10	100	---	---	---	---	---	---	---	---	---	---	---	1.4 J	---	---	---	---
Copper	7440-50-8	1,300	130	---	---	---	---	---	---	---	---	---	---	---	< 1.9	---	---	---	---
Lead	7439-92-1	1.5	15	---	---	---	---	---	---	< 0.24	---	---	---	---	< 0.24	---	---	---	---
Nickel	7440-02-0	100	20	---	---	---	---	---	---	---	---	---	---	---	3.0	---	---	---	---
Selenium	7782-49-2	10	50	---	---	---	---	---	---	---	---	---	---	---	< 0.32	---	---	---	---
Silver	7440-22-4	10	50	---	---	---	---	---	---	---	---	---	---	---	< 0.13	---	---	---	---
Thallium	7440-28-0	0.4	2.0	< 0.14	---	---	---	---	---	---	---	---	---	---	< 0.14	---	---	---	---
Zinc	7440-66-6	5	2.5	---	---	---	---	---	---	---	---	---	---	---	< 10.3	---	---	---	---
Mercury	7439-97-6	0.2	2.0	---	---	---	---	---	---	---	---	---	---	---	< 0.07	---	---	---	---
SEMI-VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																			
Acenaphthene	83-32-9	NE	NE	< 0.013	---	---	---	---	---	< 0.013	---	---	---	---	< 0.01	---	---	---	---
Acenaphthylene	208-96-8	NE	NE	< 0.011	---	---	---	---	---	< 0.012	---	---	---	---	< 0.01	---	---	---	---
Anthracene	120-12-7	600	3,000	< 0.017	---	---	---	---	---	< 0.017	---	---	---	---	< 0.02	---	---	---	---
Benzo(a)anthracene	56-55-3	NE	NE	< 0.012	---	---	---	---	---	< 0.013	---	---	---	---	< 0.014	---	---	---	---
Benzo(a)pyrene	50-32-8	0.02	0.2	< 0.018	---	---	---	---	---	< 0.019	---	---	---	---	< 0.020	---	---	---	---
Benzo(b)fluoranthene	205-99-2	0.02	0.2	< 0.018	---	---	---	---	---	< 0.018	---	---	---	---	< 0.020	---	---	---	---
Benzo(g,h,i)perylene	191-24-2	NE	NE	< 0.021	---	---	---	---	---	< 0.022	---	---	---	---	< 0.02	---	---	---	---
Benzo(k)fluoranthene	207-08-9	NE	NE	< 0.020	---	---	---	---	---	< 0.021	---	---	---	---	< 0.02	---	---	---	---
Chrysene[4]	218-01-9	0.02	0.2	< 0.024	---	---	---	---	---	< 0.025	---	---	---	---	< 0.027	---	---	---	---
Dibenzo(a,h)anthracene	53-70-3	NE	NE	< 0.016	---	---	---	---	---	< 0.017	---	---	---	---	< 0.02	---	---	---	---
Fluoranthene	206-44-0	80	400	< 0.024	---	---	---	---	---	< 0.025	---	---	---	---	< 0.03	---	---	---	---
Fluorene	86-73-7	80	400	< 0.021	---	---	---	---	---	< 0.022	---	---	---	---	< 0.024	---	---	---	---
Indeno(1,2,3-cd)pyrene	193-39-5	NE	NE	< 0.014	---	---	---	---	---	< 0.015	---	---	---	---	< 0.02	---	---	---	---
1-Methylnaphthalene	90-12-0	NE	NE	< 0.016	---	---	---	---	---	< 0.017	---	---	---	---	< 0.02	---	---	---	---
2-Methylnaphthalene	91-57-6	NE	NE	0.020 J	---	---	---	---	---	< 0.013	---	---	---	---	< 0.014	---	---	---	---
Naphthalene	91-20-3	10	100	0.025 J	---	---	---	---	---	< 0.019	---	---	---	---	0.13	---	---	---	---
Pentachlorophenol	87-86-5	0.1	1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	85-01-8	NE	NE	< 0.023	---	---	---	---	---	< 0.024	---	---	---	---	< 0.03	---	---	---	---
Pyrene	129-00-0	50	250	< 0.021	---	---	---	---	---	< 0.021	---	---	---	---	< 0.023	---	---	---	---

Notes

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[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SB-1R					SB-1R DUP	SB-5R					SB-14R				
Name & CAS #		**NR 140 PAL**	**NR 140 ES**	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	12/20/22	08/18/21	12/20/22	04/24/23	08/20/24	11/26/24	08/18/21	12/20/22	04/23/23	08/20/24	11/26/24
PFAS (ng/L)																			
11Cl-PF3OUdS	763051-92-9	NE	NE	---	< 0.62	< 0.63	< 2.1	< 20.2	< 0.63	---	< 0.62	< 0.59	< 0.41	< 0.41	---	< 0.62	< 0.62	< 2.1	< 11.4
4:2 FTS	757124-72-4	NE	NE	---	< 0.82	< 0.83	< 1.9	< 18.1	< 0.82	---	< 0.82	< 0.78	< 0.37	< 0.37	---	< 0.81	< 0.82	< 1.9	< 10.2
6:2 FTS	27619-97-2	NE	NE	---	< 1.9	< 1.9	< 2.9	< 28.4	< 1.9	---	4.9 J	1.9 J	0.84 J	< 0.58	---	< 1.9	< 1.9	< 3.0	< 16.0
8:2 FTS	39108-34-4	NE	NE	---	< 1.5	< 1.5	< 4.0	< 39.2	< 1.5	---	< 1.5	< 1.4	< 0.80	< 0.80	---	< 1.5	< 1.5	< 4.1	< 22.1
9Cl-PF3ONS	756426-58-1	NE	NE	---	< 0.45	< 0.46	< 1.8	< 17.6	< 0.45	---	< 0.45	< 0.43	< 0.36	< 0.36	---	< 0.45	< 0.45	< 1.8	< 9.9
ADONA	919005-14-4	NE	NE	---	< 0.45	< 0.46	< 1.6	< 15.9	< 0.46	---	< 0.45	< 0.43	< 0.32	< 0.32	---	< 0.45	< 0.45	< 1.7	< 9.0
HFPO-DA	13252-13-6	NE	NE	---	< 1.9	< 2.0	< 1.3	< 12.5	< 2.0	---	< 1.9	< 1.8	< 0.26	< 0.25	---	< 1.9	< 1.9	< 1.3	< 7.1
NEtFOSA	4151-50-2	NE	NE	---	< 1.3	< 1.3	< 2.3	< 22.6	< 1.3	---	< 1.3	< 1.2	< 0.46	< 0.46	---	< 1.3	< 1.3	< 2.4	< 12.7
NEtFOSAA	2991-50-6	NE	NE	---	< 0.70	< 0.71	< 2.9	< 28.2	< 0.71	---	< 0.70	< 0.67	< 0.58	< 0.57	---	< 0.70	< 0.70	< 3.0	< 15.9
NEtFOSE	1691-99-2	NE	NE	---	< 0.89	< 0.91	< 3.1	31.0 J	< 0.90	---	< 0.89	< 0.85	< 0.61	< 0.61	---	< 0.89	< 0.89	< 3.1	17.9 J
NMeFOSA	31506-32-8	NE	NE	---	< 1.2	< 1.2	< 3.2	< 31.1	< 1.2	---	< 1.2	< 1.1	< 0.63	< 0.63	---	< 1.2	< 1.2	< 3.3	< 17.5
NMeFOSAA	2355-31-9	NE	NE	---	< 0.87	< 0.89	< 4.0	< 38.8	< 0.88	---	< 0.87	< 0.83	< 0.79	< 0.79	---	< 0.87	< 0.87	< 4.1	< 21.8
NMeFOSE	24448-09-7	NE	NE	---	< 1.2	< 1.2	< 2.5	< 23.9	< 1.2	---	< 1.2	< 1.1	< 0.49	< 0.49	---	< 1.2	< 1.2	< 2.5	< 13.5
PFBA	375-22-4	NE	NE	---	18 BJ	2.7 J	3.7 J	< 13.9	14 BJ	---	7.2 B	8.0	8.3	< 0.28	---	17 BJ	16	4.9 J	< 7.8
PFBS	375-73-5	NE	NE	---	3.5 J	2.7 J	2.9 J	< 10.1	3.5 J	---	1.8 J	1.8 J	3.3	2.4	---	5.8	3.0 J	7.7 J	8.4 J
PFDA	335-76-2	NE	NE	---	< 0.49	< 0.50	< 1.3	< 12.4	< 0.50	---	< 0.49	< 0.47	< 0.25	< 0.25	---	< 0.49	< 0.49	< 1.3	< 7.0
PFDoA	307-55-1	NE	NE	---	< 0.44	< 0.45	< 2.2	< 21.5	< 0.45	---	< 0.44	< 0.42	< 0.44	< 0.44	---	< 0.44	< 0.44	< 2.3	< 12.1
PFDoS	79780-39-5	NE	NE	---	< 0.98	< 0.99	< 2.7	< 26.5	< 0.99	---	< 0.98	< 0.93	< 0.54	< 0.54	---	< 0.97	< 0.98	< 2.8	< 14.9
PFDS	335-77-3	NE	NE	---	< 0.73	< 0.74	< 2.9	< 28.2	< 0.73	---	< 0.73	< 0.69	< 0.58	< 0.57	---	< 0.72	< 0.73	< 3.0	< 15.9
PFHpA	375-85-9	NE	NE	---	1.2 J	0.83 J	< 1.2	< 11.7	1.1 J	---	1.8 J	3.2 J	3.6	1.8 J	---	4.0	12	3.4 J	< 6.6
PFHpS	375-92-8	NE	NE	---	< 0.47	< 0.47	< 3.2	< 31.3	< 0.47	---	< 0.47	< 0.44	< 0.64	< 0.64	---	< 0.46	< 0.47	< 3.3	< 17.6
PFHxA	307-24-4	NE	NE	---	1.0 J	0.76 J	1.9	< 18.8	1.2 J	---	1.7 J	2.1 J	2.5	1.5 J	---	5.1	17	3.8 J	< 10.6
PFHxS	355-46-4	NE	NE	---	5.0	3.9	3.8 J	< 11.6	4.4	---	2.4 J	2.1 J	2.7	2.6	---	6.4	6.0	5.8 J	8.9 J
PFNA	375-95-1	NE	NE	---	< 0.43	< 0.44	< 1.1	< 10.4	< 0.44	---	< 0.43	< 0.41	0.29 J	< 0.21	---	< 0.43	< 0.43	< 1.1	< 5.8
PFNS	68259-12-1	NE	NE	---	< 0.67	< 0.68	< 2.4	< 23.6	< 0.67	---	< 0.66	< 0.63	< 0.48	< 0.48	---	< 0.66	< 0.67	< 2.5	< 13.3
PFOA	335-67-1	NE	NE	---	7.0	3.8	7.8 J	< 13.3	6.6	---	7.0	12	15.4	9.0	---	17	55	18.7	21.0 J
PFOS	1763-23-1	NE	NE	---	9.6	8.5	8.3 J	48.6 J	9.8	---	4.7	5.4	3.8	3.2	---	17	12	13.4	40.1 J
PFOSA	754-91-6	NE	NE	---	< 0.57	< 0.58	< 2.0	< 19.8	< 0.58	---	< 0.57	< 0.54	< 0.40	< 0.40	---	< 0.57	< 0.57	< 2.1	< 11.1
PFPeA	2706-90-3	NE	NE	---	0.52 J	< 0.52	< 0.94	< 9.1	0.73 J	---	1.4 J	2.2 J	3.1	< 0.18	---	2.7 J	8.3	2.4 J	< 5.1
PFPeS	2706-91-4	NE	NE	---	1.1 J	0.85 J	< 1.3	< 12.7	1.2 J	---	0.82 J	1.5 J	1.2 J	1.0 J	---	1.3 J	1.1 J	< 1.3	< 7.2
PFTeDA	376-06-7	NE	NE	---	< 0.56	< 0.57	< 1.8	< 18.0	< 0.57	---	< 0.56	< 0.53	< 0.37	< 0.36	---	< 0.56	< 0.56	< 1.9	< 10.1
PFTrDA	72629-94-8	NE	NE	---	< 0.50	< 0.50	< 1.4	< 14.0	< 0.50	---	< 0.49	< 0.47	< 0.29	< 0.28	---	< 0.49	< 0.50	< 1.5	< 7.9
PFUnA	2058-94-8	NE	NE	---	< 0.59	< 0.60	< 3.3	< 31.8	< 0.59	---	< 0.58	< 0.56	< 0.65	< 0.65	---	< 0.58	< 0.59	< 3.3	< 17.9
VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																			
No VOCs Identified Above Method Detection Limit (MDL)				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes

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[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SB-14R (DUP)		MW-36		MW-37		Equipment Blank				Field Blank			
Name & CAS #		**NR 140 PAL**	**NR 140 ES**	08/18/21	08/20/24	08/20/24	11/26/24	08/20/24	11/26/24	12/20/22	04/24/23	08/20/24	11/26/24	12/20/22	04/24/23	08/20/24	11/26/24
PRIORITY POLLUTANT METALS[3] (ug/L)																	
Antimony	7440-36-0	1.2	6.0	< 0.15	---	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	1	10	< 0.28	---	---	---	---	---	---	---	---	---	---	---	---	---
Beryllium	7440-41-7	0.4	4.0	< 0.25	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	0.5	5.0	< 0.15	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	7440-47-3	10	100	1.1 J	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	7440-50-8	1,300	130	< 1.9	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	7439-92-1	1.5	15	< 0.24	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	7440-02-0	100	20	3.0	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	7782-49-2	10	50	< 0.32	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	10	50	< 0.13	---	---	---	---	---	---	---	---	---	---	---	---	---
Thallium	7440-28-0	0.4	2.0	< 0.14	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	7440-66-6	5	2.5	< 10.3	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	7439-97-6	0.2	2.0	< 0.07	---	---	---	---	---	---	---	---	---	---	---	---	---
SEMI-VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																	
Acenaphthene	83-32-9	NE	NE	< 0.01	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	208-96-8	NE	NE	< 0.01	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	120-12-7	600	3,000	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	56-55-3	NE	NE	< 0.013	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)pyrene	50-32-8	0.02	0.2	< 0.019	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(b)fluoranthene	205-99-2	0.02	0.2	< 0.019	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(g,h,i)perylene	191-24-2	NE	NE	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(k)fluoranthene	207-08-9	NE	NE	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene[4]	218-01-9	0.02	0.2	< 0.026	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzo(a,h)anthracene	53-70-3	NE	NE	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	206-44-0	80	400	< 0.03	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	86-73-7	80	400	< 0.023	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	193-39-5	NE	NE	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	90-12-0	NE	NE	< 0.02	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	91-57-6	NE	NE	< 0.014	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	91-20-3	10	100	< 0.020	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	87-86-5	0.1	1.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	85-01-8	NE	NE	< 0.03	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	129-00-0	50	250	< 0.022	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes

(µg/L) = micrograms per liter
< = not detected above method detection limit (MDL)
J = concentration between detection limit and reporting limit
NE = Not Established
B=Detected in Method Blank
--- = not analyzed

[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.1.
Groundwater Analytical Results
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Laboratory Analytes		Wisconsin Regulatory Standards[1,2]		SB-14R (DUP)		MW-36		MW-37		Equipment Blank				Field Blank			
Name & CAS #		**NR 140 PAL**	**NR 140 ES**	08/18/21	08/20/24	08/20/24	11/26/24	08/20/24	11/26/24	12/20/22	04/24/23	08/20/24	11/26/24	12/20/22	04/24/23	08/20/24	11/26/24
PFAS (ng/L)																	
11Cl-PF3OUdS	763051-92-9	NE	NE	---	< 2.2	< 4.2	< 27.5	< 3.9	< 20.7	< 0.63	< 0.58	< 0.40	< 0.40	< 0.6	< 0.57	< 0.41	< 0.48
4:2 FTS	757124-72-4	NE	NE	---	< 1.9	< 3.8	< 24.6	< 3.5	< 18.5	< 0.82	< 0.77	< 0.35	< 0.36	< 0.8	< 0.75	< 0.36	< 0.43
6:2 FTS	27619-97-2	NE	NE	---	< 3.0	< 5.9	< 38.6	< 5.5	< 29.1	6.0 J	< 1.8	< 0.56	< 0.57	< 1.8	< 1.7	< 0.57	< 0.67
8:2 FTS	39108-34-4	NE	NE	---	< 4.2	< 8.2	< 53.4	< 7.6	< 40.2	< 1.5	< 1.4	< 0.77	< 0.79	< 1.5	< 1.4	< 0.79	< 0.93
9Cl-PF3ONS	756426-58-1	NE	NE	---	< 1.9	< 3.7	< 23.9	< 3.4	< 18.0	< 0.45	< 0.42	< 0.34	< 0.35	< 0.44	< 0.41	< 0.35	< 0.41
ADONA	919005-14-4	NE	NE	---	< 1.7	< 3.3	< 21.7	< 3.1	< 16.3	< 0.46	< 0.43	< 0.31	< 0.32	< 0.44	< 0.42	< 0.32	< 0.38
HFPO-DA	13252-13-6	NE	NE	---	< 1.3	< 2.6	< 17.1	< 2.4	< 12.8	< 2.0	< 1.8	< 0.25	< 0.25	< 1.9	< 1.8	< 0.25	< 0.30
NEtFOSA	4151-50-2	NE	NE	---	< 2.4	< 4.7	< 30.8	< 4.4	< 23.2	< 1.3	< 1.2	< 0.44	< 0.45	< 1.2	< 1.2	< 0.45	< 0.53
NEtFOSAA	2991-50-6	NE	NE	---	< 3.0	< 5.9	< 38.4	< 5.5	< 29.0	< 0.71	< 0.66	< 0.55	< 0.57	< 0.68	< 0.64	< 0.57	< 0.67
NEtFOSE	1691-99-2	NE	NE	---	< 3.2	< 6.2	41.8 J	< 5.8	34.7 J	< 0.9	< 0.84	< 0.58	< 0.60	< 0.87	< 0.82	< 0.60	0.74 J
NMeFOSA	31506-32-8	NE	NE	---	< 3.3	< 6.5	< 42.3	< 6.0	< 31.9	< 1.2	< 1.1	< 0.61	< 0.62	< 1.1	< 1.1	1.3 J	< 0.73
NMeFOSAA	2355-31-9	NE	NE	---	< 4.2	< 8.1	< 52.8	< 7.5	< 39.8	< 0.88	< 0.82	< 0.76	< 0.78	< 0.85	< 0.80	< 0.78	< 0.92
NMeFOSE	24448-09-7	NE	NE	---	< 2.6	< 5.0	62.6 J	< 4.6	< 24.5	< 1.2	< 1.1	< 0.47	< 0.48	< 1.2	< 1.1	< 0.48	1.1 J
PFBA	375-22-4	NE	NE	---	5.2 J	< 2.9	< 18.9	4.7 J	< 14.3	2.2 BJ	< 0.53	< 0.27	< 0.28	2.1 BJ	< 0.52	< 0.28	< 0.33
PFBS	375-73-5	NE	NE	---	7.5 J	7.5 J	< 13.7	22.5	22.9 J	< 0.39	< 0.37	< 0.20	< 0.20	< 0.38	< 0.36	< 0.20	< 0.24
PFDA	335-76-2	NE	NE	---	< 1.3	< 2.6	< 16.9	< 2.4	< 12.7	< 0.50	< 0.46	< 0.24	< 0.25	< 0.48	< 0.45	< 0.25	< 0.29
PFDoA	307-55-1	NE	NE	---	< 2.3	< 4.5	< 29.2	< 4.2	< 22.0	< 0.45	< 0.42	< 0.42	< 0.43	< 0.43	< 0.41	< 0.43	< 0.51
PFDoS	79780-39-5	NE	NE	---	< 2.8	< 5.5	< 36.1	< 5.1	< 27.2	< 0.99	< 0.92	< 0.52	< 0.53	< 0.95	< 0.90	< 0.53	< 0.63
PFDS	335-77-3	NE	NE	---	< 3.0	< 5.9	< 38.4	< 5.5	< 29.0	< 0.73	< 0.69	< 0.55	< 0.57	< 0.71	< 0.67	< 0.57	< 0.67
PFHpA	375-85-9	NE	NE	---	3.4 J	6.8 J	< 15.9	4.0 J	< 12.0	< 0.42	< 0.39	< 0.23	< 0.23	< 0.41	< 0.38	< 0.23	< 0.28
PFHpS	375-92-8	NE	NE	---	< 3.4	< 6.5	< 42.6	< 6.1	< 32.1	< 0.47	< 0.44	< 0.61	< 0.63	< 0.46	< 0.43	< 0.63	< 0.74
PFHxA	307-24-4	NE	NE	---	4.0 J	10.6 J	< 25.6	6.0 J	< 19.3	< 0.65	< 0.61	< 0.37	< 0.38	< 0.63	< 0.59	< 0.38	< 0.44
PFHxS	355-46-4	NE	NE	---	6.0 J	6.9 J	< 15.8	12.4 J	< 11.9	< 0.52	< 0.49	< 0.23	< 0.23	< 0.5	< 0.47	< 0.23	< 0.27
PFNA	375-95-1	NE	NE	---	< 1.1	< 2.2	< 14.1	< 2.0	< 10.7	< 0.44	< 0.41	< 0.20	< 0.21	< 0.42	< 0.40	< 0.21	< 0.25
PFNS	68259-12-1	NE	NE	---	< 2.5	< 4.9	< 32.1	< 4.6	< 24.2	< 0.67	< 0.63	< 0.46	< 0.47	< 0.65	< 0.61	< 0.47	< 0.56
PFOA	335-67-1	NE	NE	---	19.2	36.9	31.6 J	16.7 J	23.9 J	< 0.78	< 0.73	< 0.26	< 0.27	< 0.76	< 0.71	< 0.27	< 0.31
PFOS	1763-23-1	NE	NE	---	14.6	43.0	92.0 J	17.2 J	52.1 J	< 1.9	< 1.8	< 0.50	0.74 J	< 1.8	< 1.7	< 0.51	0.92 J
PFOSA	754-91-6	NE	NE	---	< 2.1	< 4.1	< 26.9	< 3.8	< 20.3	< 0.58	< 0.54	< 0.39	< 0.40	< 0.56	< 0.53	< 0.40	< 0.47
PFPeA	2706-90-3	NE	NE	---	2.5 J	6.1 J	< 12.4	3.4 J	< 9.3	< 0.51	< 0.48	< 0.18	< 0.18	< 0.5	< 0.47	< 0.18	< 0.22
PFPeS	2706-91-4	NE	NE	---	< 1.4	< 2.7	< 17.3	< 2.5	< 13.0	< 0.56	< 0.52	< 0.25	< 0.25	< 0.54	< 0.51	< 0.26	< 0.30
PFTeDA	376-06-7	NE	NE	---	< 1.9	< 3.8	< 24.4	< 3.5	< 18.4	< 0.57	< 0.53	< 0.35	< 0.36	< 0.55	< 0.52	< 0.36	< 0.42
PFTrDA	72629-94-8	NE	NE	---	< 1.5	< 2.9	< 19.1	< 2.7	< 14.4	< 0.50	< 0.47	< 0.27	< 0.28	< 0.48	< 0.45	< 0.28	< 0.33
PFUnA	2058-94-8	NE	NE	---	< 3.4	< 6.6	< 43.2	< 6.2	< 32.6	< 0.59	< 0.55	< 0.62	< 0.64	< 0.57	< 0.54	< 0.64	< 0.75
VOLATILE ORGANIC COMPOUNDS[3] (µg/L)																	
No VOCs Identified Above Method Detection Limit (MDL)				---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes

(µg/L) = micrograms per liter
< = not detected above method detection limit (MDL)
J = concentration between detection limit and reporting limit
NE = Not Established
B=Detected in Method Blank
--- = not analyzed

[1] NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

[2] NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

[3]Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

[3]Initial detections of chrysene above a PAL at SBGW-1 and SBGW-3 were not confirmed during the Site Investigation and therefore, they are not highlighted as regulatory standard exceedances.

% = Small Diameter/Temporary Well (other wells installed, developed and purged per WAC, Chapter NR 141)

Exceeds NR 140 PAL: *100* Exceeds NR 140 ES: **100**

Table A.6.
Groundwater Elevation Data Summary
1300 Cleveland Avenue, Wausau, WI
BRRTS #02-37-587081

Location	SB-1R		SB-5R		SB-14R		SBGW-1R		SBGW-3R		MW-36		MW-37	
Date Installed	8/3/21		8/3/21		8/4/21		8/2/21		8/2/21		7/16/24		7/16/24	
Well Depth (ft)	31.8		30.0		30.5		29.5		37.0		35.5		36.0	
Screen Length (ft)	10.0		10.0		10.0		10.0		10.0		10.0		10.0	
TOC Elevation[1]	1192.04		1190.57		1189.87		1191.31		1196.30		1192.01		1196.24	
GS Elevation[1]	1189.76		1188.03		1187.24		1188.80		1193.85		1192.58		1196.61	
Screen Interval	1,167.96 - 1,157.96		1,168.03 - 1,158.03		1,166.74 - 1,156.74		1,169.30 - 1,159.30		1,166.85 - 1,156.85		1,167.08 - 1,157.08		1,170.61 - 1,160.61	
Sample Date	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)	TOC to SWL (Ft)	GW Elevation (Ft AMSL)
8/18/2021	28.47	1163.57	26.87	1163.70	26.02	1163.85	27.58	1163.73	31.85	1164.45	--	--	--	--
12/20/2022	29.93	1162.11	28.42	1162.15	27.75	1162.12	29.17	1162.14	33.85	1162.45	--	--	--	--
4/23/2023	28.27	1163.77	26.68	1163.89	25.92	1163.95	27.3	1164.01	32.11	1164.19	--	--	--	--
8/20/2024	28.48	1163.56	26.86	1163.71	26.01	1163.86	27.59	1163.72	31.65	1164.65	27.35	1164.66	30.85	1165.39
11/26/2024	29.40	1162.64	27.80	1162.77	27.12	1162.75	28.60	1162.71	33.02	1163.28	28.80	1163.21	27.37	1168.87

LEGEND

Monitoring Well Location

Property Boundary

NOTES

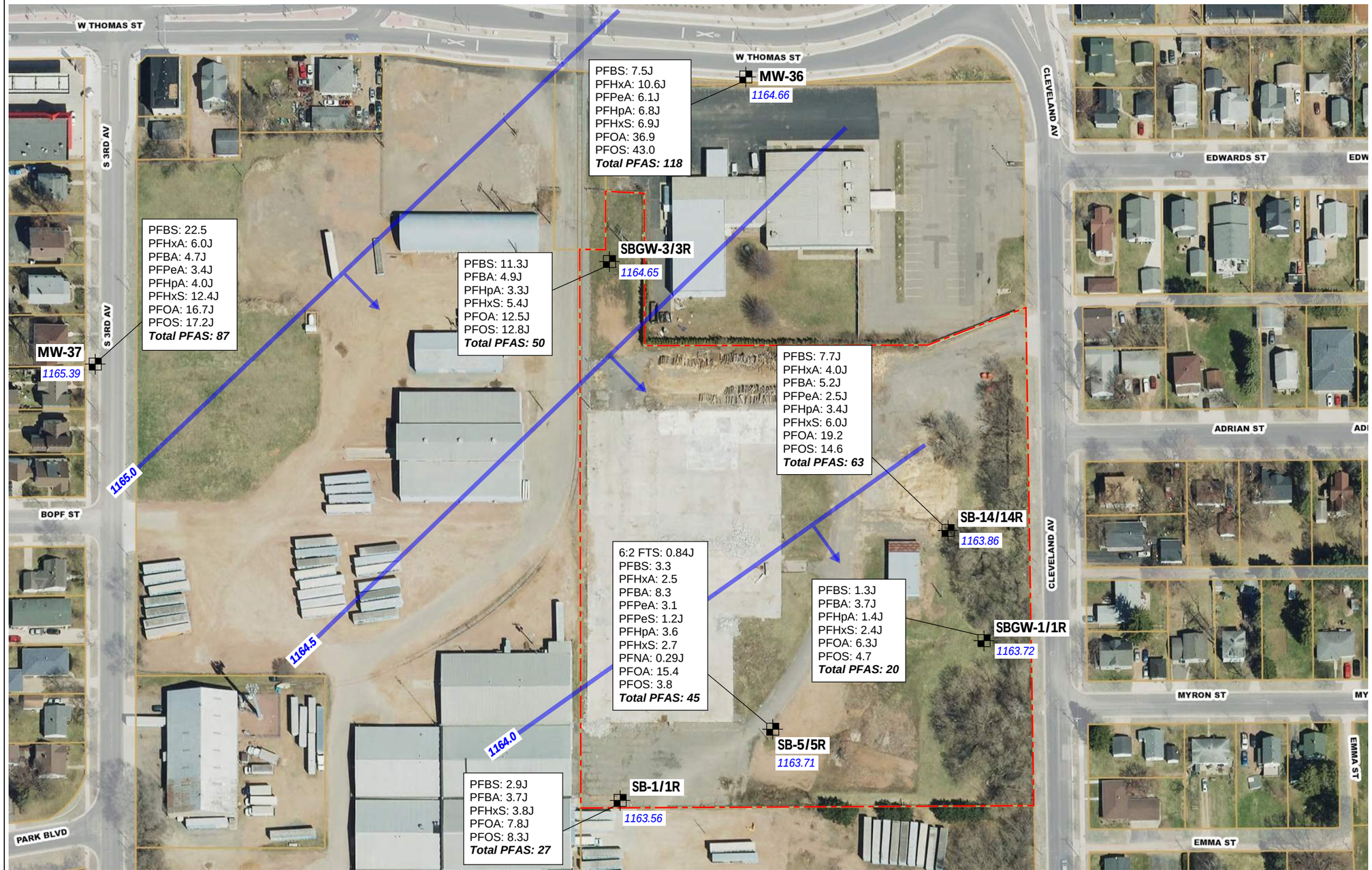
1. Base map (2020 Aerial Photo) obtained from Marathon County Land Information Mapping System

N

0 120 240

SCALE: 1 INCH = 120 FEET

1300 CLEVELAND AVENUE WAUSAU, WI WDNR BRRTS #02-37-587081	GEI Consultants	MONITORING WELL LOCATION DIAGRAM	
CITY OF WAUSAU	Project 2102778	March 2025	Figure B.3.d



LEGEND

- Monitoring Well Location
- Property Boundary
- 1163.86 Water Elevation (8/20/24)
- 1164 Estimated Groundwater Contour & Flow Direction

NOTES

1. Base map (2020 Aerial Photo) obtained from Marathon County Land Information Mapping System

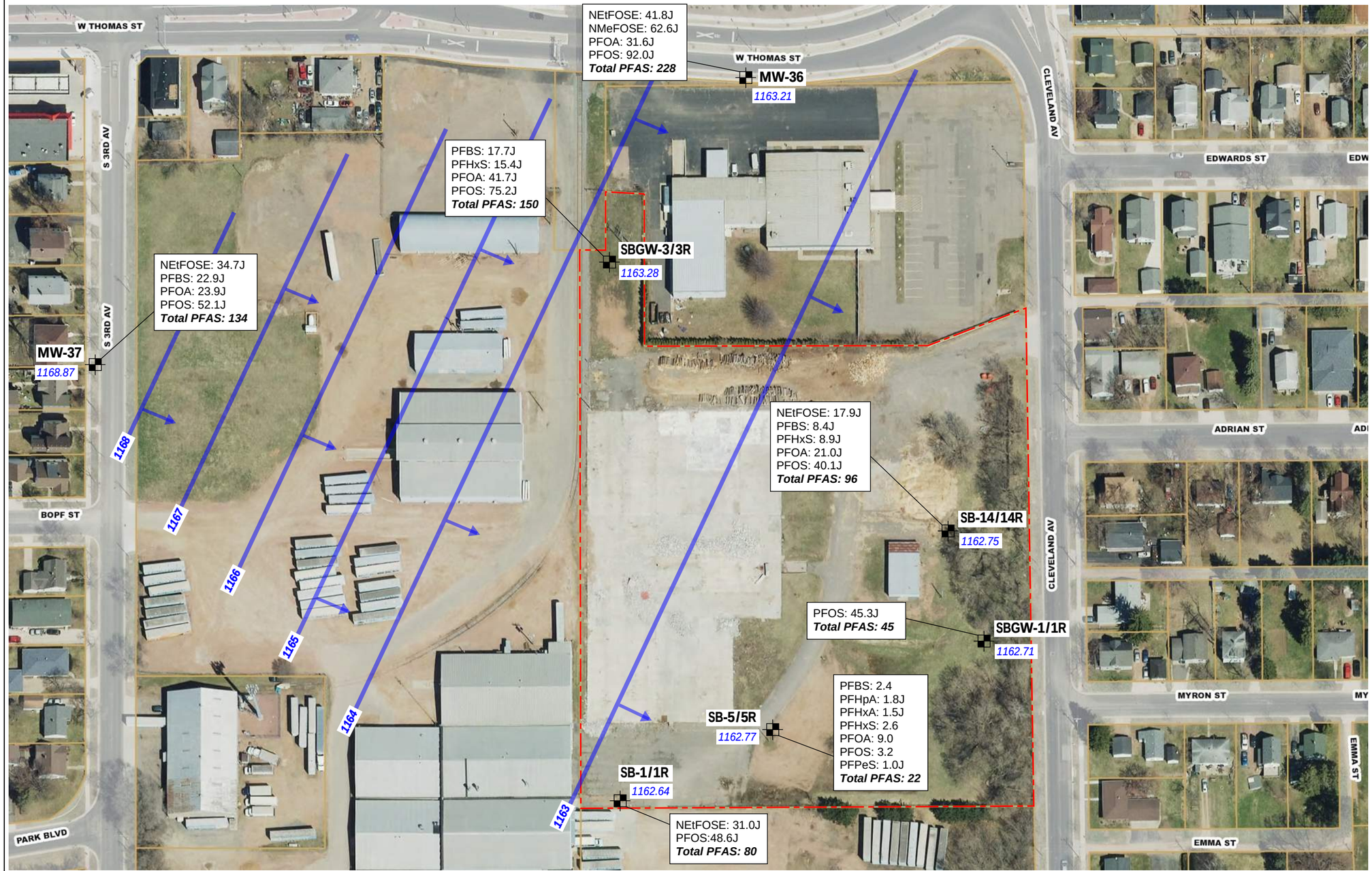
2. All data in nanograms per liter (ng/L)

3. Equipment & Field Blank Results:

Field Bank
NMeFOSA: 1.3J
All Other Analytes: <Detection Limits
Total PFAS: 1.3J

Equipment Bank
All Analytes: <Detection Limits
Total PFAS: <Detection Limits

1300 CLEVELAND AVENUE WAUSAU, WI WDNR BRRTS #02-37-587081	GEI Consultants	MONITORING WELL DATA SUMMARY MAP (AUGUST 2024)	
CITY OF WAUSAU	Project 2102778	March 2025	Figure B.3.c.1



LEGEND

- Monitoring Well Location
- Property Boundary
- 1163.86 — Water Elevation (11/26/24)
- 1164 — Estimated Groundwater Contour & Flow Direction

NOTES

1. Base map (2020 Aerial Photo) obtained from Marathon County Land Information Mapping System
2. All data in nanograms per liter (ng/L)
3. Equipment & Field Blank Results:

Field Bank
NEtFOSE: 0.74J
NMeFOSE: 1.1J
PFOS: 0.92J
All Other Analytes: <Detection Limits
Total PFAS: 2.8J

Equipment Bank
PFOS: 0.74J
All Other Analytes: <Detection Limits
Total PFAS: 0.74J

N

0 120 240

SCALE: 1 INCH = 120 FEET

1300 CLEVELAND AVENUE WAUSAU, WI WDNR BRRTS #02-37-587081	GEI Consultants	MONITORING WELL DATA SUMMARY MAP (NOVEMBER 2024)	
CITY OF WAUSAU	Project 2102778	March 2025	Figure B.3.c.2

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1300 Cleveland Ave Site Investigation (GEI Project #2102778)		MW-36

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	07/16/24	07/16/24	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-36	Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ — Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ "
State Plane N, E S / C / N
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E
Local Grid Location: Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Blind Drilled										
			3.5											
			7.0											
			10.5											
			14.0											
			17.5											
			21.0											
			24.5											
			28.0	Indiscriminate (possible petroleum) odors noted in saturated zone at depths greater than approximately 28 feet.										
			31.5											
			35.0											
			38.5	End of Boring at 36.0 feet. Permanent monitoring well installed.										

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

Signature Michael DeBruhl — Firm GEI Consultants, Inc. - 3159 Voyager Drive, Green Bay, WI 54311 920-455-8200

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: 1300 Cleveland Ave. Site Investigation	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW-36
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 07 / 16 / 2024 (m m d d y y y y)
Type of Well: Well Code ____ / ____	Section Location of Waste/Source: SW 1/4 of SE 1/4 of Sec. 35, T. 29 N, R. 7 ☐ E ☒ W	Well Installed By: Name (first, last) and Firm: Geiss Soil & Samples, LLC
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number	

A. Protective pipe, top elevation 1192.58 ft. MSL

B. Well casing, top elevation 1192.01 ft. MSL

C. Land surface elevation 1192.58 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

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

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

E. Bentonite seal, top 1191.58 ft. MSL or 1.0 ft.

F. Fine sand, top 1171.58 ft. MSL or 21.0 ft.

G. Filter pack, top 1169.58 ft. MSL or 23.0 ft.

H. Screen joint, top 1167.08 ft. MSL or 25.5 ft.

I. Well bottom 1157.08 ft. MSL or 35.5 ft.

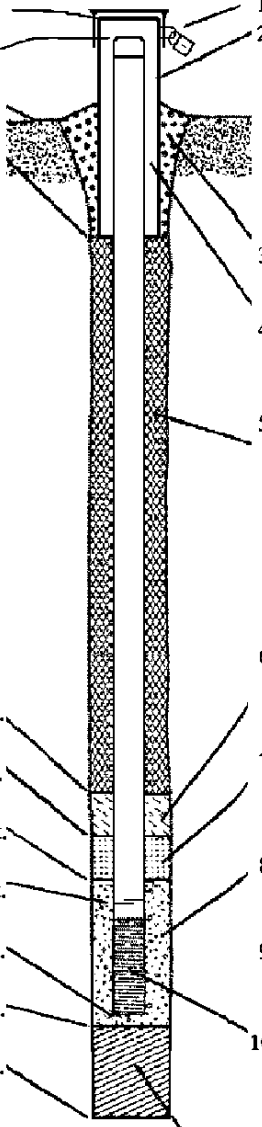
J. Filter pack, bottom 1156.58 ft. MSL or 36.0 ft.

K. Borehole, bottom 1156.58 ft. MSL or 36.0 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2 3/8 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 / Concrete ☐ 01 / Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 6.0 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 3.0 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ____
b. Manufacturer Johnson Screens
c. Slot size: 0.01 in.
d. Slotted length: 9.5 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ____

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

Signature	Firm
Michael DeBruhl	GEI Consultants, Inc.

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

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
1300 Cleveland Ave Site Investigation (GEI Project #2102778)		MW-37

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Geiss Soil & Samples, LLC	07/16/24	07/16/24	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
		MW-37	Feet MSL	Feet MSL	8.0 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ Lat ___ ° ___ ' ___ " Long ___ ° ___ ' ___ "
State Plane N, E S/C/N
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Marathon	37	Wausau

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Blind Drilled										
			3.5											
			7.0											
			10.5											
			14.0											
			17.5											
			21.0											
			24.5											
			28.0											
			31.5											
			35.0											
			38.5	End of Boring at 37.0 feet. Permanent monitoring well installed.										

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

Signature Michael DeBruhe Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

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

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name 1300 Cleveland Ave. Site Investigation	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** MW-37
Facility License, Permit or Monitoring No.	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ° ' " Long. ° ' " or	**Wis. Unique Well No.** _____ **DNR Well ID No.** _____
Facility ID _____	St. Plane _____ ft. N, _____ ft. E. S/C/N	**Date Well Installed** 07 / 16 / 2024 (m m d d y y y y)
Type of Well Well Code _____ / _____	**Section Location of Waste/Source** SW 1/4 of SE 1/4 of Sec. 35, T. 29 N, R. 7 ☐ E. ☒ W.	**Well Installed By: Name (first, last) and Firm** Geiss Soil & Samples, LLC
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** _____

A. Protective pipe, top elevation 1196.61 ft. MSL

B. Well casing, top elevation 1196.24 ft. MSL

C. Land surface elevation 1196.61 ft. MSL

D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? ☐ Yes ☒ No

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

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

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

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

E. Bentonite seal, top 1195.61 ft. MSL or 1.0 ft.

F. Fine sand, top 1175.61 ft. MSL or 21.0 ft.

G. Filter pack, top 1172.61 ft. MSL or 24.0 ft.

H. Screen joint, top 1170.61 ft. MSL or 26.0 ft.

I. Well bottom 1160.61 ft. MSL or 36.0 ft.

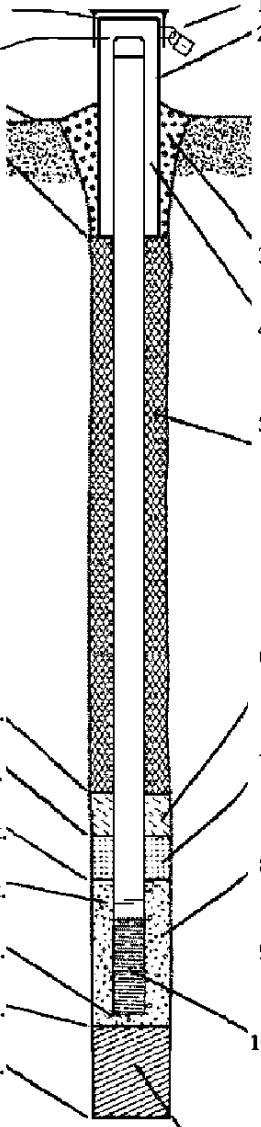
J. Filter pack, bottom 1159.61 ft. MSL or 37.0 ft.

K. Borehole, bottom 1159.61 ft. MSL or 37.0 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2 3/8 in.

N. I.D. well casing 2.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☒ 04 Other ☐ _____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☒ 30 Other ☐ _____
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 6.0 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ _____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 3.0 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ _____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Johnson Screens
c. Slot size: 0.01 in.
d. Slotted length: 9.5 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ _____

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

Signature	Firm
Michael DeBruhl	GEI Consultants, Inc.

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

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

July 26, 2024

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on July 18, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40281272001	**EB-MW36**	Water	07/16/24 08:15	07/18/24 10:20
40281272002	**EB-MW37**	Water	07/16/24 10:20	07/18/24 10:20

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

SAMPLE ANALYTE COUNT

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40281272001	**EB-MW36**	ENV-SOP-MIN4-0178	MJL	57	PASI-M
40281272002	**EB-MW37**	ENV-SOP-MIN4-0178	MJL	57	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
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SUMMARY OF DETECTION

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40281272002	**EB-MW37**					
ENV-SOP-MIN4-0178	6:2 FTS	0.75J	ng/L	1.9	07/25/24 15:20	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Sample: EB-MW36 **Lab ID: 40281272001** Collected: 07/16/24 08:15 Received: 07/18/24 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.40**	ng/L	1.9	0.40	1	07/23/24 14:39	07/25/24 15:13	763051-92-9	
4:2 FTS	**<0.36**	ng/L	1.8	0.36	1	07/23/24 14:39	07/25/24 15:13	757124-72-4	
6:2 FTS	**<0.56**	ng/L	1.9	0.56	1	07/23/24 14:39	07/25/24 15:13	27619-97-2	
8:2 FTS	**<0.78**	ng/L	1.9	0.78	1	07/23/24 14:39	07/25/24 15:13	39108-34-4	
9Cl-PF3ONS	**<0.35**	ng/L	1.8	0.35	1	07/23/24 14:39	07/25/24 15:13	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	07/23/24 14:39	07/25/24 15:13	919005-14-4	
HFPO-DA	**<0.25**	ng/L	2.0	0.25	1	07/23/24 14:39	07/25/24 15:13	13252-13-6	
NEtFOSAA	**<0.56**	ng/L	2.0	0.56	1	07/23/24 14:39	07/25/24 15:13	2991-50-6	
NEtFOSA	**<0.45**	ng/L	2.0	0.45	1	07/23/24 14:39	07/25/24 15:13	4151-50-2	
NEtFOSE	**<0.59**	ng/L	2.0	0.59	1	07/23/24 14:39	07/25/24 15:13	1691-99-2	
NMeFOSAA	**<0.77**	ng/L	2.0	0.77	1	07/23/24 14:39	07/25/24 15:13	2355-31-9	
NMeFOSA	**<0.62**	ng/L	2.0	0.62	1	07/23/24 14:39	07/25/24 15:13	31506-32-8	
NMeFOSE	**<0.48**	ng/L	2.0	0.48	1	07/23/24 14:39	07/25/24 15:13	24448-09-7	
PFBS	**<0.20**	ng/L	1.7	0.20	1	07/23/24 14:39	07/25/24 15:13	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	07/23/24 14:39	07/25/24 15:13	335-76-2	
PFHxA	**<0.37**	ng/L	2.0	0.37	1	07/23/24 14:39	07/25/24 15:13	307-24-4	
PFBA	**<0.28**	ng/L	2.0	0.28	1	07/23/24 14:39	07/25/24 15:13	375-22-4	
PFDS	**<0.56**	ng/L	1.9	0.56	1	07/23/24 14:39	07/25/24 15:13	335-77-3	
PFDoS	**<0.53**	ng/L	1.9	0.53	1	07/23/24 14:39	07/25/24 15:13	79780-39-5	
PFHpS	**<0.62**	ng/L	1.9	0.62	1	07/23/24 14:39	07/25/24 15:13	375-92-8	
PFNS	**<0.47**	ng/L	1.9	0.47	1	07/23/24 14:39	07/25/24 15:13	68259-12-1	
PFOSA	**<0.39**	ng/L	2.0	0.39	1	07/23/24 14:39	07/25/24 15:13	754-91-6	
PFPeA	**<0.18**	ng/L	2.0	0.18	1	07/23/24 14:39	07/25/24 15:13	2706-90-3	
PFPeS	**<0.25**	ng/L	1.9	0.25	1	07/23/24 14:39	07/25/24 15:13	2706-91-4	
PFDoA	**<0.43**	ng/L	2.0	0.43	1	07/23/24 14:39	07/25/24 15:13	307-55-1	
PFHpA	**<0.23**	ng/L	2.0	0.23	1	07/23/24 14:39	07/25/24 15:13	375-85-9	
PFHxS	**<0.23**	ng/L	1.8	0.23	1	07/23/24 14:39	07/25/24 15:13	355-46-4	
PFNA	**<0.21**	ng/L	2.0	0.21	1	07/23/24 14:39	07/25/24 15:13	375-95-1	
PFOS	**<0.50**	ng/L	1.8	0.50	1	07/23/24 14:39	07/25/24 15:13	1763-23-1	
PFOA	**<0.26**	ng/L	2.0	0.26	1	07/23/24 14:39	07/25/24 15:13	335-67-1	
PFTeDA	**<0.36**	ng/L	2.0	0.36	1	07/23/24 14:39	07/25/24 15:13	376-06-7	
PFTrDA	**<0.28**	ng/L	2.0	0.28	1	07/23/24 14:39	07/25/24 15:13	72629-94-8	
PFUnA	**<0.63**	ng/L	2.0	0.63	1	07/23/24 14:39	07/25/24 15:13	2058-94-8	
Surrogates									
13C4-PFBA (S)	97	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C5-PFPeA (S)	92	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C3-PFBS (S)	100	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C24:2FTS (S)	84	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C3HFPO-DA (S)	100	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C4-PFHpA (S)	98	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C3-PFHxS (S)	97	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C26:2FTS (S)	113	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C8-PFOA (S)	98	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C8-PFOS (S)	93	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C9-PFNA (S)	107	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Sample: EB-MW36 **Lab ID: 40281272001** Collected: 07/16/24 08:15 Received: 07/18/24 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	101	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C28:2FTS (S)	138	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
d3-MeFOSAA (S)	95	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C7-PFUdA (S)	96	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C8-PFOSA (S)	82	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
d5-EtFOSAA (S)	95	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
13C2-PFDoA (S)	96	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
d3-NMeFOSA (S)	9	%.	10-150		1	07/23/24 14:39	07/25/24 15:13		S0
d7-NMeFOSE (S)	58	%.	10-150		1	07/23/24 14:39	07/25/24 15:13		
13C2-PFTA (S)	87	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		
d9-NEtFOSE (S)	52	%.	10-150		1	07/23/24 14:39	07/25/24 15:13		
d5-NEtFOSA (S)	7	%.	10-150		1	07/23/24 14:39	07/25/24 15:13		S0
13C5-PFHxA (S)	96	%.	25-150		1	07/23/24 14:39	07/25/24 15:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Sample: EB-MW37 **Lab ID: 40281272002** Collected: 07/16/24 10:20 Received: 07/18/24 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.40**	ng/L	1.9	0.40	1	07/23/24 14:39	07/25/24 15:20	763051-92-9	
4:2 FTS	**<0.36**	ng/L	1.9	0.36	1	07/23/24 14:39	07/25/24 15:20	757124-72-4	
6:2 FTS	**0.75J**	ng/L	1.9	0.57	1	07/23/24 14:39	07/25/24 15:20	27619-97-2	
8:2 FTS	**<0.78**	ng/L	1.9	0.78	1	07/23/24 14:39	07/25/24 15:20	39108-34-4	
9Cl-PF3ONS	**<0.35**	ng/L	1.8	0.35	1	07/23/24 14:39	07/25/24 15:20	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	07/23/24 14:39	07/25/24 15:20	919005-14-4	
HFPO-DA	**<0.25**	ng/L	2.0	0.25	1	07/23/24 14:39	07/25/24 15:20	13252-13-6	
NEtFOSAA	**<0.56**	ng/L	2.0	0.56	1	07/23/24 14:39	07/25/24 15:20	2991-50-6	
NEtFOSA	**<0.45**	ng/L	2.0	0.45	1	07/23/24 14:39	07/25/24 15:20	4151-50-2	
NEtFOSE	**<0.60**	ng/L	2.0	0.60	1	07/23/24 14:39	07/25/24 15:20	1691-99-2	
NMeFOSAA	**<0.78**	ng/L	2.0	0.78	1	07/23/24 14:39	07/25/24 15:20	2355-31-9	
NMeFOSA	**<0.62**	ng/L	2.0	0.62	1	07/23/24 14:39	07/25/24 15:20	31506-32-8	
NMeFOSE	**<0.48**	ng/L	2.0	0.48	1	07/23/24 14:39	07/25/24 15:20	24448-09-7	
PFBS	**<0.20**	ng/L	1.8	0.20	1	07/23/24 14:39	07/25/24 15:20	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	07/23/24 14:39	07/25/24 15:20	335-76-2	
PFHxA	**<0.38**	ng/L	2.0	0.38	1	07/23/24 14:39	07/25/24 15:20	307-24-4	
PFBA	**<0.28**	ng/L	2.0	0.28	1	07/23/24 14:39	07/25/24 15:20	375-22-4	
PFDS	**<0.56**	ng/L	1.9	0.56	1	07/23/24 14:39	07/25/24 15:20	335-77-3	
PFDoS	**<0.53**	ng/L	1.9	0.53	1	07/23/24 14:39	07/25/24 15:20	79780-39-5	
PFHpS	**<0.63**	ng/L	1.9	0.63	1	07/23/24 14:39	07/25/24 15:20	375-92-8	
PFNS	**<0.47**	ng/L	1.9	0.47	1	07/23/24 14:39	07/25/24 15:20	68259-12-1	
PFOSA	**<0.40**	ng/L	2.0	0.40	1	07/23/24 14:39	07/25/24 15:20	754-91-6	
PFPeA	**<0.18**	ng/L	2.0	0.18	1	07/23/24 14:39	07/25/24 15:20	2706-90-3	
PFPeS	**<0.25**	ng/L	1.9	0.25	1	07/23/24 14:39	07/25/24 15:20	2706-91-4	
PFDoA	**<0.43**	ng/L	2.0	0.43	1	07/23/24 14:39	07/25/24 15:20	307-55-1	
PFHpA	**<0.23**	ng/L	2.0	0.23	1	07/23/24 14:39	07/25/24 15:20	375-85-9	
PFHxS	**<0.23**	ng/L	1.8	0.23	1	07/23/24 14:39	07/25/24 15:20	355-46-4	
PFNA	**<0.21**	ng/L	2.0	0.21	1	07/23/24 14:39	07/25/24 15:20	375-95-1	
PFOS	**<0.51**	ng/L	1.8	0.51	1	07/23/24 14:39	07/25/24 15:20	1763-23-1	
PFOA	**<0.27**	ng/L	2.0	0.27	1	07/23/24 14:39	07/25/24 15:20	335-67-1	
PFTeDA	**<0.36**	ng/L	2.0	0.36	1	07/23/24 14:39	07/25/24 15:20	376-06-7	
PFTrDA	**<0.28**	ng/L	2.0	0.28	1	07/23/24 14:39	07/25/24 15:20	72629-94-8	
PFUnA	**<0.64**	ng/L	2.0	0.64	1	07/23/24 14:39	07/25/24 15:20	2058-94-8	
Surrogates									
13C4-PFBA (S)	95	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C5-PFPeA (S)	91	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C3-PFBS (S)	97	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C24:2FTS (S)	74	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C3HFPO-DA (S)	92	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C4-PFHpA (S)	95	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C3-PFHxS (S)	97	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C26:2FTS (S)	101	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C8-PFOA (S)	94	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C8-PFOS (S)	91	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C9-PFNA (S)	107	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Sample: EB-MW37 **Lab ID: 40281272002** Collected: 07/16/24 10:20 Received: 07/18/24 10:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	96	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C28:2FTS (S)	128	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
d3-MeFOSAA (S)	93	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C7-PFUdA (S)	89	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C8-PFOSA (S)	82	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
d5-EtFOSAA (S)	89	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
13C2-PFDoA (S)	98	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
d3-NMeFOSA (S)	21	%.	10-150		1	07/23/24 14:39	07/25/24 15:20		
d7-NMeFOSE (S)	70	%.	10-150		1	07/23/24 14:39	07/25/24 15:20		
13C2-PFTA (S)	84	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		
d9-NEtFOSE (S)	66	%.	10-150		1	07/23/24 14:39	07/25/24 15:20		
d5-NEtFOSA (S)	19	%.	10-150		1	07/23/24 14:39	07/25/24 15:20		
13C5-PFHxA (S)	92	%.	25-150		1	07/23/24 14:39	07/25/24 15:20		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

QC Batch: 957809
QC Batch Method: ENV-SOP-MIN4-0178
Analysis Method: ENV-SOP-MIN4-0178
Analysis Description: WI ID NPW
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40281272001, 40281272002

METHOD BLANK: 5007023 Matrix: Water
Associated Lab Samples: 40281272001, 40281272002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.41	1.9	07/25/24 13:03	
4:2 FTS	ng/L	<0.37	1.9	07/25/24 13:03	
6:2 FTS	ng/L	<0.58	1.9	07/25/24 13:03	
8:2 FTS	ng/L	<0.81	2.0	07/25/24 13:03	
9Cl-PF3ONS	ng/L	<0.36	1.9	07/25/24 13:03	
ADONA	ng/L	<0.33	1.9	07/25/24 13:03	
HFPO-DA	ng/L	<0.26	2.0	07/25/24 13:03	
NEtFOSA	ng/L	<0.46	2.0	07/25/24 13:03	
NEtFOSAA	ng/L	<0.58	2.0	07/25/24 13:03	
NEtFOSE	ng/L	<0.61	2.0	07/25/24 13:03	
NMeFOSA	ng/L	<0.64	2.0	07/25/24 13:03	
NMeFOSAA	ng/L	<0.80	2.0	07/25/24 13:03	
NMeFOSE	ng/L	<0.49	2.0	07/25/24 13:03	
PFBA	ng/L	<0.29	2.0	07/25/24 13:03	
PFBS	ng/L	<0.21	1.8	07/25/24 13:03	
PFDA	ng/L	<0.26	2.0	07/25/24 13:03	
PFDoA	ng/L	<0.44	2.0	07/25/24 13:03	
PFDoS	ng/L	<0.54	2.0	07/25/24 13:03	
PFDS	ng/L	<0.58	2.0	07/25/24 13:03	
PFHpA	ng/L	<0.24	2.0	07/25/24 13:03	
PFHpS	ng/L	<0.64	1.9	07/25/24 13:03	
PFHxA	ng/L	<0.39	2.0	07/25/24 13:03	
PFHxS	ng/L	<0.24	1.9	07/25/24 13:03	
PFNA	ng/L	<0.21	2.0	07/25/24 13:03	
PFNS	ng/L	<0.48	2.0	07/25/24 13:03	
PFOA	ng/L	<0.27	2.0	07/25/24 13:03	
PFOS	ng/L	<0.52	1.9	07/25/24 13:03	
PFOSA	ng/L	<0.41	2.0	07/25/24 13:03	
PFPeA	ng/L	<0.19	2.0	07/25/24 13:03	
PFPeS	ng/L	<0.26	1.9	07/25/24 13:03	
PFTeDA	ng/L	<0.37	2.0	07/25/24 13:03	
PFTrDA	ng/L	<0.29	2.0	07/25/24 13:03	
PFUnA	ng/L	<0.65	2.0	07/25/24 13:03	
13C2-PFDoA (S)	%.	98	25-150	07/25/24 13:03	
13C2-PFTA (S)	%.	85	25-150	07/25/24 13:03	
13C24:2FTS (S)	%.	113	25-150	07/25/24 13:03	
13C26:2FTS (S)	%.	107	25-150	07/25/24 13:03	
13C28:2FTS (S)	%.	109	25-150	07/25/24 13:03	
13C3-PFBS (S)	%.	104	25-150	07/25/24 13:03	
13C3-PFHxS (S)	%.	96	25-150	07/25/24 13:03	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

METHOD BLANK: 5007023 Matrix: Water
Associated Lab Samples: 40281272001, 40281272002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3HFPO-DA (S)	%.	101	25-150	07/25/24 13:03	
13C4-PFBA (S)	%.	101	25-150	07/25/24 13:03	
13C4-PFHpA (S)	%.	102	25-150	07/25/24 13:03	
13C5-PFHxA (S)	%.	97	25-150	07/25/24 13:03	
13C5-PFPeA (S)	%.	98	25-150	07/25/24 13:03	
13C6-PFDA (S)	%.	99	25-150	07/25/24 13:03	
13C7-PFUdA (S)	%.	92	25-150	07/25/24 13:03	
13C8-PFOA (S)	%.	98	25-150	07/25/24 13:03	
13C8-PFOS (S)	%.	90	25-150	07/25/24 13:03	
13C8-PFOSA (S)	%.	87	25-150	07/25/24 13:03	
13C9-PFNA (S)	%.	103	25-150	07/25/24 13:03	
d3-MeFOSAA (S)	%.	96	25-150	07/25/24 13:03	
d3-NMeFOSA (S)	%.	18	20-150	07/25/24 13:03	S0
d5-EtFOSAA (S)	%.	88	25-150	07/25/24 13:03	
d5-NEtFOSA (S)	%.	16	20-150	07/25/24 13:03	S0
d7-NMeFOSE (S)	%.	76	20-150	07/25/24 13:03	
d9-NEtFOSE (S)	%.	68	20-150	07/25/24 13:03	

LABORATORY CONTROL SAMPLE & LCSD: 5007024 5007025

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	3.8	3.2	3.7	86	98	50-150	13	30	
4:2 FTS	ng/L	3.7	3.6	4.0	97	106	50-150	9	30	
6:2 FTS	ng/L	3.8	4.5	3.6	117	97	50-150	20	30	
8:2 FTS	ng/L	3.8	3.9	3.5	102	92	50-150	11	30	
9Cl-PF3ONS	ng/L	3.7	3.6	3.7	95	100	50-150	5	30	
ADONA	ng/L	3.8	3.7	3.9	99	105	50-150	5	30	
HFPO-DA	ng/L	4	3.8	3.7	95	94	50-150	2	30	
NEtFOSA	ng/L	4	3.5	3.6	87	90	50-150	3	30	
NEtFOSAA	ng/L	4	3.8	3.9	94	99	50-150	5	30	
NEtFOSE	ng/L	4	3.6	3.9	90	99	50-150	9	30	
NMeFOSA	ng/L	4	3.4	2.4	84	61	50-150	32	30	R1
NMeFOSAA	ng/L	4	4.0	3.7	100	92	50-150	9	30	
NMeFOSE	ng/L	4	4.0	3.2	100	81	50-150	21	30	
PFBA	ng/L	4	3.6	3.8	89	96	50-150	7	30	
PFBS	ng/L	3.5	3.2	3.4	92	98	50-150	6	30	
PFDA	ng/L	4	3.9	4.0	98	100	50-150	2	30	
PFDoA	ng/L	4	3.8	3.6	96	90	50-150	7	30	
PFDoS	ng/L	3.9	3.1	3.1	79	80	50-150	0	30	
PFDS	ng/L	3.8	3.1	3.6	81	95	50-150	15	30	
PFHpA	ng/L	4	3.6	3.8	90	95	50-150	5	30	
PFHpS	ng/L	3.8	3.7	4.0	97	106	50-150	9	30	
PFHxA	ng/L	4	3.8	3.9	94	99	50-150	5	30	
PFHxS	ng/L	3.7	3.3	3.6	90	99	50-150	8	30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

LABORATORY CONTROL SAMPLE & LCSD: 5007024 5007025

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PFNA	ng/L	4	3.7	3.5	93	89	50-150	5	30	
PFNS	ng/L	3.8	3.3	3.5	86	91	50-150	5	30	
PFOA	ng/L	4	3.9	4.0	97	102	50-150	4	30	
PFOS	ng/L	3.7	3.3	3.7	88	100	50-150	12	30	
PFOSA	ng/L	4	4.0	3.9	101	99	50-150	3	30	
PFPeA	ng/L	4	3.8	4.0	96	102	50-150	5	30	
PFPeS	ng/L	3.8	3.6	3.6	95	97	50-150	1	30	
PFTeDA	ng/L	4	3.6	3.8	89	95	50-150	6	30	
PFTrDA	ng/L	4	3.8	3.6	95	91	50-150	5	30	
PFUnA	ng/L	4	3.6	3.6	90	90	50-150	1	30	
13C2-PFDoA (S)	%.				94	96	25-150			
13C2-PFTA (S)	%.				89	82	25-150			
13C24:2FTS (S)	%.				106	94	25-150			
13C26:2FTS (S)	%.				104	107	25-150			
13C28:2FTS (S)	%.				99	103	25-150			
13C3-PFBS (S)	%.				101	99	25-150			
13C3-PFHxS (S)	%.				93	95	25-150			
13C3HFPO-DA (S)	%.				95	97	25-150			
13C4-PFBA (S)	%.				97	98	25-150			
13C4-PFHpA (S)	%.				98	100	25-150			
13C5-PFHxA (S)	%.				95	94	25-150			
13C5-PFPeA (S)	%.				94	94	25-150			
13C6-PFDA (S)	%.				92	97	25-150			
13C7-PFUdA (S)	%.				90	93	25-150			
13C8-PFOA (S)	%.				95	95	25-150			
13C8-PFOS (S)	%.				92	92	25-150			
13C8-PFOSA (S)	%.				91	77	25-150			
13C9-PFNA (S)	%.				101	103	25-150			
d3-MeFOSAA (S)	%.				91	95	25-150			
d3-NMeFOSA (S)	%.				56	4	20-150			S0
d5-EtFOSAA (S)	%.				88	88	25-150			
d5-NEtFOSA (S)	%.				51	4	20-150			S0
d7-NMeFOSE (S)	%.				87	51	20-150			
d9-NEtFOSE (S)	%.				86	41	20-150			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2102778 Cleveland Ave - Wausau
Pace Project No.: 40281272

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40281272001	**EB-MW36**	ENV-SOP-MIN4-0178	957809	ENV-SOP-MIN4-0178	958808
40281272002	**EB-MW37**	ENV-SOP-MIN4-0178	957809	ENV-SOP-MIN4-0178	958808

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

40281272

Scan QR Code for instructions

Company Name:	GEI Consultants, Inc. - WI	Contact/Report To.	Mike Debraske
Street Address	3159 Voyager Drive, Green Bay, WI 54311	Phone #	920-455-8655
		E-Mail.	mdebraske@geiconsultants.com
		Cc E-Mail	
Customer Project #	2102778		
Project Name:	Cleveland Ave - Wausau	Invoice To	Accounts Payable
		Invoice E-Mail	geipayables@geiconsultants.com
Site Collection Info/Facility ID (as applicable)		Purchase Drder # (if applicable)	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s).	Wisconsin

Specify Container Size **: 3

Identify Container Preservative Type***: 1

Analysis Requested

**Container Size |1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types |1) None, (2) HNO3, |3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, |8) Sod Thiosulfate, (9) Ascorbic Acid, |10) MeOH, |11) Other

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Dther

Regulatory Program (DW, RCRA, etc) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ) Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable) [ ] Yes [ ] No

Analysis

Lab Use Only
Proj. Mgr: **Christopher Hyska**
AcctNum / Client ID:
Table #:
Profile / Template: **3105**
Prelog / Bottle Drd. ID: **EZ 3135988**

Preservation non-conformance identified for sample

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (DL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Dther (DT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	PFAS-ID WI 33	Sample Comment
EB - MW36	OT	Grab	7/16/24	8:15			2			X	OT = Rinse Water 001
EB - MW37	OT	Grab	7/16/24	10:20			2			X	OT = Rinse Water 002

Additional Instructions from Pace®.

Collected By. (Printed Name) Eli J. DeBraske

Signature: Eli J DeBraske

Customer Remarks / Special Conditions / Possible Hazards.

# Coolers.	Thermometer ID.	Correction Factor (°C).	Obs Temp. (°C)	Corrected Temp. (°C)	On Ice
1	121	-0.5	0.5	0.0	Y

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Eli J DeBraske	07/18/24 10:20	Matt VanLaanen/Pace	07/18/2024 10:20
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time

Tracking Number: N/A

Delivered by [✓] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www pacelabs com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Client Name: GEI Consultants, INC. - WI

Sample Preservation Receipt Form

Project # ✓ 40281272

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☑N/A

Initial when completed: MK Date/Time:

Lab Lot# of pH paper:

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

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001									2																								2.5 / 5
002									2																								2.5 / 5
003																																	2.5 / 5
004																																	2.5 / 5
005																																	2.5 / 5
006																																	2.5 / 5
007																																	2.5 / 5
008																																	2.5 / 5
009																																	2.5 / 5
010																																	2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
013																																	2.5 / 5
014																																	2.5 / 5
015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																														✓			2.5 / 5

MK 07/18/2024

Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:

Headspace in VOA Vials (>6mm): ☐Yes ☐No ☑N/A *If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40281272

40281272

Client Name: GEI Consultants, Inc.-WI

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

Tracking #: _____

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

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

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

Thermometer Used SR-121 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 0.0

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

Person examining contents:
Date: 07/18/2024 Initials: MJS

Labeled By Initials: MH

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

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

September 12, 2024

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

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

SAMPLE SUMMARY

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40282876001	**SB-5R**	Water	08/20/24 10:35	08/20/24 16:14
40282876002	**MW-37**	Water	08/20/24 10:50	08/20/24 16:14
40282876003	**SBGW-1R**	Water	08/20/24 11:30	08/20/24 16:14
40282876004	**SB-14R**	Water	08/20/24 11:35	08/20/24 16:14
40282876005	**SB-14R DUP**	Water	08/20/24 11:40	08/20/24 16:14
40282876006	**SB-1R**	Water	08/20/24 12:40	08/20/24 16:14
40282876007	**SBGW-3R**	Water	08/20/24 12:25	08/20/24 16:14
40282876008	**MW-36**	Water	08/20/24 13:00	08/20/24 16:14
40282876009	**FIELD BLANK**	Water	08/20/24 10:00	08/20/24 16:14
40282876010	**EQUIPMENT BLANK**	Water	08/20/24 10:10	08/20/24 16:14

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

SAMPLE ANALYTE COUNT

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40282876001	**SB-5R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876002	**MW-37**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876003	**SBGW-1R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876004	**SB-14R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876005	**SB-14R DUP**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876006	**SB-1R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876007	**SBGW-3R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876008	**MW-36**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876009	**FIELD BLANK**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40282876010	**EQUIPMENT BLANK**	ENV-SOP-MIN4-0178	MJL	58	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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

SUMMARY OF DETECTION

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40282876001	**SB-5R**					
ENV-SOP-MIN4-0178	6:2 FTS	0.84J	ng/L	1.9	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFBS	3.3	ng/L	1.8	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFHxA	2.5	ng/L	2.0	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFBA	8.3	ng/L	2.0	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFPeA	3.1	ng/L	2.0	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFPeS	1.2J	ng/L	1.9	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFHpA	3.6	ng/L	2.0	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFHxS	2.7	ng/L	1.8	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFNA	0.29J	ng/L	2.0	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFOS	3.8	ng/L	1.9	08/29/24 19:30	
ENV-SOP-MIN4-0178	PFOA	15.4	ng/L	2.0	08/29/24 19:30	
40282876002	**MW-37**					
ENV-SOP-MIN4-0178	PFBS	22.5	ng/L	17.1	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFHxA	6.0J	ng/L	19.3	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFBA	4.7J	ng/L	19.3	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFPeA	3.4J	ng/L	19.3	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFHpA	4.0J	ng/L	19.3	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFHxS	12.4J	ng/L	17.6	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFOS	17.2J	ng/L	17.8	08/29/24 19:37	
ENV-SOP-MIN4-0178	PFOA	16.7J	ng/L	19.3	08/29/24 19:37	
40282876003	**SBGW-1R**					
ENV-SOP-MIN4-0178	PFBS	1.3J	ng/L	9.1	08/29/24 19:44	
ENV-SOP-MIN4-0178	PFBA	3.7J	ng/L	10.3	08/29/24 19:44	
ENV-SOP-MIN4-0178	PFHpA	1.4J	ng/L	10.3	08/29/24 19:44	
ENV-SOP-MIN4-0178	PFHxS	2.4J	ng/L	9.4	08/29/24 19:44	
ENV-SOP-MIN4-0178	PFOS	4.7J	ng/L	9.6	08/29/24 19:44	
ENV-SOP-MIN4-0178	PFOA	6.3J	ng/L	10.3	08/29/24 19:44	
40282876004	**SB-14R**					
ENV-SOP-MIN4-0178	PFBS	7.7J	ng/L	9.2	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFHxA	3.8J	ng/L	10.4	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFBA	4.9J	ng/L	10.4	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFPeA	2.4J	ng/L	10.4	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFHpA	3.4J	ng/L	10.4	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFHxS	5.8J	ng/L	9.5	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFOS	13.4	ng/L	9.6	08/29/24 19:51	
ENV-SOP-MIN4-0178	PFOA	18.7	ng/L	10.4	08/29/24 19:51	
40282876005	**SB-14R DUP**					
ENV-SOP-MIN4-0178	PFBS	7.5J	ng/L	9.4	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFHxA	4.0J	ng/L	10.6	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFBA	5.2J	ng/L	10.6	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFPeA	2.5J	ng/L	10.6	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFHpA	3.4J	ng/L	10.6	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFHxS	6.0J	ng/L	9.7	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFOS	14.6	ng/L	9.8	08/29/24 19:59	
ENV-SOP-MIN4-0178	PFOA	19.2	ng/L	10.6	08/29/24 19:59	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40282876006	**SB-1R**					
ENV-SOP-MIN4-0178	PFBS	2.9J	ng/L	9.1	08/29/24 20:06	
ENV-SOP-MIN4-0178	PFBA	3.7J	ng/L	10.2	08/29/24 20:06	
ENV-SOP-MIN4-0178	PFHxS	3.8J	ng/L	9.3	08/29/24 20:06	
ENV-SOP-MIN4-0178	PFOS	8.3J	ng/L	9.5	08/29/24 20:06	
ENV-SOP-MIN4-0178	PFOA	7.8J	ng/L	10.2	08/29/24 20:06	
40282876007	**SBGW-3R**					
ENV-SOP-MIN4-0178	PFBS	11.3J	ng/L	17.4	09/09/24 13:45	
ENV-SOP-MIN4-0178	PFBA	4.9J	ng/L	19.6	09/09/24 13:45	
ENV-SOP-MIN4-0178	PFHpA	3.3J	ng/L	19.6	09/09/24 13:45	
ENV-SOP-MIN4-0178	PFHxS	5.4J	ng/L	17.9	09/09/24 13:45	
ENV-SOP-MIN4-0178	PFOS	12.8J	ng/L	18.2	09/09/24 13:45	
ENV-SOP-MIN4-0178	PFOA	12.5J	ng/L	19.6	09/09/24 13:45	
40282876008	**MW-36**					
ENV-SOP-MIN4-0178	PFBS	7.5J	ng/L	18.4	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFHxA	10.6J	ng/L	20.8	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFPeA	6.1J	ng/L	20.8	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFHpA	6.8J	ng/L	20.8	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFHxS	6.9J	ng/L	18.9	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFOS	43.0	ng/L	19.2	09/09/24 13:52	
ENV-SOP-MIN4-0178	PFOA	36.9	ng/L	20.8	09/09/24 13:52	
40282876009	**FIELD BLANK**					
ENV-SOP-MIN4-0178	NMeFOSA	1.3J	ng/L	2.0	09/09/24 13:59	L1

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-5R **Lab ID: 40282876001** Collected: 08/20/24 10:35 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.41**	ng/L	1.9	0.41	1	08/28/24 14:22	08/29/24 19:30	763051-92-9	
4:2 FTS	**<0.37**	ng/L	1.9	0.37	1	08/28/24 14:22	08/29/24 19:30	757124-72-4	
6:2 FTS	**0.84J**	ng/L	1.9	0.58	1	08/28/24 14:22	08/29/24 19:30	27619-97-2	
8:2 FTS	**<0.80**	ng/L	2.0	0.80	1	08/28/24 14:22	08/29/24 19:30	39108-34-4	
9Cl-PF3ONS	**<0.36**	ng/L	1.9	0.36	1	08/28/24 14:22	08/29/24 19:30	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	08/28/24 14:22	08/29/24 19:30	919005-14-4	
HFPO-DA	**<0.26**	ng/L	2.0	0.26	1	08/28/24 14:22	08/29/24 19:30	13252-13-6	
NEtFOSAA	**<0.58**	ng/L	2.0	0.58	1	08/28/24 14:22	08/29/24 19:30	2991-50-6	
NEtFOSA	**<0.46**	ng/L	2.0	0.46	1	08/28/24 14:22	08/29/24 19:30	4151-50-2	
NEtFOSE	**<0.61**	ng/L	2.0	0.61	1	08/28/24 14:22	08/29/24 19:30	1691-99-2	
NMeFOSAA	**<0.79**	ng/L	2.0	0.79	1	08/28/24 14:22	08/29/24 19:30	2355-31-9	
NMeFOSA	**<0.63**	ng/L	2.0	0.63	1	08/28/24 14:22	08/29/24 19:30	31506-32-8	
NMeFOSE	**<0.49**	ng/L	2.0	0.49	1	08/28/24 14:22	08/29/24 19:30	24448-09-7	
PFBS	**3.3**	ng/L	1.8	0.21	1	08/28/24 14:22	08/29/24 19:30	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	08/28/24 14:22	08/29/24 19:30	335-76-2	
PFHxA	**2.5**	ng/L	2.0	0.38	1	08/28/24 14:22	08/29/24 19:30	307-24-4	
PFBA	**8.3**	ng/L	2.0	0.28	1	08/28/24 14:22	08/29/24 19:30	375-22-4	
PFDS	**<0.58**	ng/L	2.0	0.58	1	08/28/24 14:22	08/29/24 19:30	335-77-3	
PFDoS	**<0.54**	ng/L	2.0	0.54	1	08/28/24 14:22	08/29/24 19:30	79780-39-5	
PFHpS	**<0.64**	ng/L	1.9	0.64	1	08/28/24 14:22	08/29/24 19:30	375-92-8	
PFNS	**<0.48**	ng/L	1.9	0.48	1	08/28/24 14:22	08/29/24 19:30	68259-12-1	
PFOSA	**<0.40**	ng/L	2.0	0.40	1	08/28/24 14:22	08/29/24 19:30	754-91-6	
PFPeA	**3.1**	ng/L	2.0	0.19	1	08/28/24 14:22	08/29/24 19:30	2706-90-3	
PFPeS	**1.2J**	ng/L	1.9	0.26	1	08/28/24 14:22	08/29/24 19:30	2706-91-4	
PFDoA	**<0.44**	ng/L	2.0	0.44	1	08/28/24 14:22	08/29/24 19:30	307-55-1	
PFHpA	**3.6**	ng/L	2.0	0.24	1	08/28/24 14:22	08/29/24 19:30	375-85-9	
PFHxS	**2.7**	ng/L	1.8	0.24	1	08/28/24 14:22	08/29/24 19:30	355-46-4	
PFNA	**0.29J**	ng/L	2.0	0.21	1	08/28/24 14:22	08/29/24 19:30	375-95-1	
PFOS	**3.8**	ng/L	1.9	0.52	1	08/28/24 14:22	08/29/24 19:30	1763-23-1	
PFOA	**15.4**	ng/L	2.0	0.27	1	08/28/24 14:22	08/29/24 19:30	335-67-1	
PFTeDA	**<0.37**	ng/L	2.0	0.37	1	08/28/24 14:22	08/29/24 19:30	376-06-7	
PFTrDA	**<0.29**	ng/L	2.0	0.29	1	08/28/24 14:22	08/29/24 19:30	72629-94-8	
PFUnA	**<0.65**	ng/L	2.0	0.65	1	08/28/24 14:22	08/29/24 19:30	2058-94-8	
Surrogates									
13C4-PFBA (S)	36	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C5-PFPeA (S)	39	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C3-PFBS (S)	55	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C24:2FTS (S)	75	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C3HFPO-DA (S)	47	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C4-PFHpA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C3-PFHxS (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C26:2FTS (S)	109	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C8-PFOA (S)	62	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C8-PFOS (S)	72	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C9-PFNA (S)	69	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-5R **Lab ID: 40282876001** Collected: 08/20/24 10:35 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	74	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C28:2FTS (S)	86	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
d3-MeFOSAA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C7-PFUdA (S)	62	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C8-PFOSA (S)	42	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
d5-EtFOSAA (S)	67	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
13C2-PFDoA (S)	51	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		
d3-NMeFOSA (S)	0	%.	10-150		1	08/28/24 14:22	08/29/24 19:30		S0
d7-NMeFOSE (S)	6	%.	10-150		1	08/28/24 14:22	08/29/24 19:30		S0
13C2-PFTA (S)	21	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		S0
d9-NEtFOSE (S)	6	%.	10-150		1	08/28/24 14:22	08/29/24 19:30		S0
d5-NEtFOSA (S)	1	%.	10-150		1	08/28/24 14:22	08/29/24 19:30		S0
13C2PFHxDA (S)	9	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		S0
13C5-PFHxA (S)	67	%.	25-150		1	08/28/24 14:22	08/29/24 19:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: MW-37 **Lab ID: 40282876002** Collected: 08/20/24 10:50 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<3.9**	ng/L	18.1	3.9	1	08/28/24 14:22	08/29/24 19:37	763051-92-9	
4:2 FTS	**<3.5**	ng/L	18.0	3.5	1	08/28/24 14:22	08/29/24 19:37	757124-72-4	
6:2 FTS	**<5.5**	ng/L	18.3	5.5	1	08/28/24 14:22	08/29/24 19:37	27619-97-2	
8:2 FTS	**<7.6**	ng/L	18.6	7.6	1	08/28/24 14:22	08/29/24 19:37	39108-34-4	
9Cl-PF3ONS	**<3.4**	ng/L	17.9	3.4	1	08/28/24 14:22	08/29/24 19:37	756426-58-1	
ADONA	**<3.1**	ng/L	18.2	3.1	1	08/28/24 14:22	08/29/24 19:37	919005-14-4	
HFPO-DA	**<2.4**	ng/L	19.3	2.4	1	08/28/24 14:22	08/29/24 19:37	13252-13-6	
NEtFOSAA	**<5.5**	ng/L	19.3	5.5	1	08/28/24 14:22	08/29/24 19:37	2991-50-6	
NEtFOSA	**<4.4**	ng/L	19.3	4.4	1	08/28/24 14:22	08/29/24 19:37	4151-50-2	
NEtFOSE	**<5.8**	ng/L	19.3	5.8	1	08/28/24 14:22	08/29/24 19:37	1691-99-2	
NMeFOSAA	**<7.5**	ng/L	19.3	7.5	1	08/28/24 14:22	08/29/24 19:37	2355-31-9	
NMeFOSA	**<6.0**	ng/L	19.3	6.0	1	08/28/24 14:22	08/29/24 19:37	31506-32-8	
NMeFOSE	**<4.6**	ng/L	19.3	4.6	1	08/28/24 14:22	08/29/24 19:37	24448-09-7	
PFBS	**22.5**	ng/L	17.1	2.0	1	08/28/24 14:22	08/29/24 19:37	375-73-5	
PFDA	**<2.4**	ng/L	19.3	2.4	1	08/28/24 14:22	08/29/24 19:37	335-76-2	
PFHxA	**6.0J**	ng/L	19.3	3.6	1	08/28/24 14:22	08/29/24 19:37	307-24-4	
PFBA	**4.7J**	ng/L	19.3	2.7	1	08/28/24 14:22	08/29/24 19:37	375-22-4	
PFDS	**<5.5**	ng/L	18.6	5.5	1	08/28/24 14:22	08/29/24 19:37	335-77-3	
PFDoS	**<5.1**	ng/L	18.7	5.1	1	08/28/24 14:22	08/29/24 19:37	79780-39-5	
PFHpS	**<6.1**	ng/L	18.3	6.1	1	08/28/24 14:22	08/29/24 19:37	375-92-8	
PFNS	**<4.6**	ng/L	18.5	4.6	1	08/28/24 14:22	08/29/24 19:37	68259-12-1	
PFOSA	**<3.8**	ng/L	19.3	3.8	1	08/28/24 14:22	08/29/24 19:37	754-91-6	
PFPeA	**3.4J**	ng/L	19.3	1.8	1	08/28/24 14:22	08/29/24 19:37	2706-90-3	
PFPeS	**<2.5**	ng/L	18.1	2.5	1	08/28/24 14:22	08/29/24 19:37	2706-91-4	
PFDoA	**<4.2**	ng/L	19.3	4.2	1	08/28/24 14:22	08/29/24 19:37	307-55-1	
PFHpA	**4.0J**	ng/L	19.3	2.3	1	08/28/24 14:22	08/29/24 19:37	375-85-9	
PFHxS	**12.4J**	ng/L	17.6	2.3	1	08/28/24 14:22	08/29/24 19:37	355-46-4	
PFNA	**<2.0**	ng/L	19.3	2.0	1	08/28/24 14:22	08/29/24 19:37	375-95-1	
PFOS	**17.2J**	ng/L	17.8	4.9	1	08/28/24 14:22	08/29/24 19:37	1763-23-1	
PFOA	**16.7J**	ng/L	19.3	2.6	1	08/28/24 14:22	08/29/24 19:37	335-67-1	
PFTeDA	**<3.5**	ng/L	19.3	3.5	1	08/28/24 14:22	08/29/24 19:37	376-06-7	
PFTrDA	**<2.7**	ng/L	19.3	2.7	1	08/28/24 14:22	08/29/24 19:37	72629-94-8	
PFUnA	**<6.2**	ng/L	19.3	6.2	1	08/28/24 14:22	08/29/24 19:37	2058-94-8	
Surrogates									
13C4-PFBA (S)	69	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C5-PFPeA (S)	70	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C3-PFBS (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C24:2FTS (S)	31	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C3HFPO-DA (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C4-PFHpA (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C3-PFHxS (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C26:2FTS (S)	38	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C8-PFOA (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C8-PFOS (S)	83	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C9-PFNA (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: MW-37 **Lab ID: 40282876002** Collected: 08/20/24 10:50 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C28:2FTS (S)	43	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
d3-MeFOSAA (S)	56	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C7-PFUdA (S)	64	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C8-PFOSA (S)	29	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
d5-EtFOSAA (S)	54	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
13C2-PFDoA (S)	57	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		
d3-NMeFOSA (S)	1	%.	10-150		1	08/28/24 14:22	08/29/24 19:37		S0
d7-NMeFOSE (S)	8	%.	10-150		1	08/28/24 14:22	08/29/24 19:37		S0
13C2-PFTA (S)	22	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		S0
d9-NEtFOSE (S)	7	%.	10-150		1	08/28/24 14:22	08/29/24 19:37		S0
d5-NEtFOSA (S)	1	%.	10-150		1	08/28/24 14:22	08/29/24 19:37		S0
13C2PFHxDA (S)	3	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		S0
13C5-PFHxA (S)	81	%.	25-150		1	08/28/24 14:22	08/29/24 19:37		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SBGW-1R **Lab ID: 40282876003** Collected: 08/20/24 11:30 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<2.1**	ng/L	9.7	2.1	1	08/28/24 14:22	08/29/24 19:44	763051-92-9	
4:2 FTS	**<1.9**	ng/L	9.7	1.9	1	08/28/24 14:22	08/29/24 19:44	757124-72-4	
6:2 FTS	**<2.9**	ng/L	9.8	2.9	1	08/28/24 14:22	08/29/24 19:44	27619-97-2	
8:2 FTS	**<4.1**	ng/L	10	4.1	1	08/28/24 14:22	08/29/24 19:44	39108-34-4	
9Cl-PF3ONS	**<1.8**	ng/L	9.6	1.8	1	08/28/24 14:22	08/29/24 19:44	756426-58-1	
ADONA	**<1.7**	ng/L	9.8	1.7	1	08/28/24 14:22	08/29/24 19:44	919005-14-4	
HFPO-DA	**<1.3**	ng/L	10.3	1.3	1	08/28/24 14:22	08/29/24 19:44	13252-13-6	
NEtFOSAA	**<2.9**	ng/L	10.3	2.9	1	08/28/24 14:22	08/29/24 19:44	2991-50-6	
NEtFOSA	**<2.3**	ng/L	10.3	2.3	1	08/28/24 14:22	08/29/24 19:44	4151-50-2	
NEtFOSE	**<3.1**	ng/L	10.3	3.1	1	08/28/24 14:22	08/29/24 19:44	1691-99-2	
NMeFOSAA	**<4.0**	ng/L	10.3	4.0	1	08/28/24 14:22	08/29/24 19:44	2355-31-9	
NMeFOSA	**<3.2**	ng/L	10.3	3.2	1	08/28/24 14:22	08/29/24 19:44	31506-32-8	
NMeFOSE	**<2.5**	ng/L	10.3	2.5	1	08/28/24 14:22	08/29/24 19:44	24448-09-7	
PFBS	**1.3J**	ng/L	9.1	1.0	1	08/28/24 14:22	08/29/24 19:44	375-73-5	
PFDA	**<1.3**	ng/L	10.3	1.3	1	08/28/24 14:22	08/29/24 19:44	335-76-2	
PFHxA	**<2.0**	ng/L	10.3	2.0	1	08/28/24 14:22	08/29/24 19:44	307-24-4	
PFBA	**3.7J**	ng/L	10.3	1.4	1	08/28/24 14:22	08/29/24 19:44	375-22-4	
PFDS	**<2.9**	ng/L	10	2.9	1	08/28/24 14:22	08/29/24 19:44	335-77-3	
PFDoS	**<2.8**	ng/L	10.0	2.8	1	08/28/24 14:22	08/29/24 19:44	79780-39-5	
PFHpS	**<3.3**	ng/L	9.8	3.3	1	08/28/24 14:22	08/29/24 19:44	375-92-8	
PFNS	**<2.4**	ng/L	9.9	2.4	1	08/28/24 14:22	08/29/24 19:44	68259-12-1	
PFOSA	**<2.1**	ng/L	10.3	2.1	1	08/28/24 14:22	08/29/24 19:44	754-91-6	
PFPeA	**<0.95**	ng/L	10.3	0.95	1	08/28/24 14:22	08/29/24 19:44	2706-90-3	
PFPeS	**<1.3**	ng/L	9.7	1.3	1	08/28/24 14:22	08/29/24 19:44	2706-91-4	
PFDoA	**<2.2**	ng/L	10.3	2.2	1	08/28/24 14:22	08/29/24 19:44	307-55-1	
PFHpA	**1.4J**	ng/L	10.3	1.2	1	08/28/24 14:22	08/29/24 19:44	375-85-9	
PFHxS	**2.4J**	ng/L	9.4	1.2	1	08/28/24 14:22	08/29/24 19:44	355-46-4	
PFNA	**<1.1**	ng/L	10.3	1.1	1	08/28/24 14:22	08/29/24 19:44	375-95-1	
PFOS	**4.7J**	ng/L	9.6	2.6	1	08/28/24 14:22	08/29/24 19:44	1763-23-1	
PFOA	**6.3J**	ng/L	10.3	1.4	1	08/28/24 14:22	08/29/24 19:44	335-67-1	
PFTeDA	**<1.9**	ng/L	10.3	1.9	1	08/28/24 14:22	08/29/24 19:44	376-06-7	
PFTrDA	**<1.5**	ng/L	10.3	1.5	1	08/28/24 14:22	08/29/24 19:44	72629-94-8	
PFUnA	**<3.3**	ng/L	10.3	3.3	1	08/28/24 14:22	08/29/24 19:44	2058-94-8	
Surrogates									
13C4-PFBA (S)	71	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C5-PFPeA (S)	66	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C3-PFBS (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C24:2FTS (S)	34	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C3HFPO-DA (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C4-PFHpA (S)	83	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C3-PFHxS (S)	85	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C26:2FTS (S)	40	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C8-PFOA (S)	81	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C8-PFOS (S)	89	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C9-PFNA (S)	89	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SBGW-1R **Lab ID: 40282876003** Collected: 08/20/24 11:30 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	87	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C28:2FTS (S)	49	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
d3-MeFOSAA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C7-PFUdA (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C8-PFOSA (S)	72	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
d5-EtFOSAA (S)	63	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C2-PFDoA (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
d3-NMeFOSA (S)	32	%.	10-150		1	08/28/24 14:22	08/29/24 19:44		
d7-NMeFOSE (S)	72	%.	10-150		1	08/28/24 14:22	08/29/24 19:44		
13C2-PFTA (S)	81	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
d9-NEtFOSE (S)	71	%.	10-150		1	08/28/24 14:22	08/29/24 19:44		
d5-NEtFOSA (S)	26	%.	10-150		1	08/28/24 14:22	08/29/24 19:44		
13C2PFHxDA (S)	67	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		
13C5-PFHxA (S)	85	%.	25-150		1	08/28/24 14:22	08/29/24 19:44		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-14R **Lab ID: 40282876004** Collected: 08/20/24 11:35 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<2.1**	ng/L	9.8	2.1	1	08/28/24 14:22	08/29/24 19:51	763051-92-9	
4:2 FTS	**<1.9**	ng/L	9.7	1.9	1	08/28/24 14:22	08/29/24 19:51	757124-72-4	
6:2 FTS	**<3.0**	ng/L	9.9	3.0	1	08/28/24 14:22	08/29/24 19:51	27619-97-2	
8:2 FTS	**<4.1**	ng/L	10.1	4.1	1	08/28/24 14:22	08/29/24 19:51	39108-34-4	
9Cl-PF3ONS	**<1.8**	ng/L	9.7	1.8	1	08/28/24 14:22	08/29/24 19:51	756426-58-1	
ADONA	**<1.7**	ng/L	9.8	1.7	1	08/28/24 14:22	08/29/24 19:51	919005-14-4	
HFPO-DA	**<1.3**	ng/L	10.4	1.3	1	08/28/24 14:22	08/29/24 19:51	13252-13-6	
NEtFOSAA	**<3.0**	ng/L	10.4	3.0	1	08/28/24 14:22	08/29/24 19:51	2991-50-6	
NEtFOSA	**<2.4**	ng/L	10.4	2.4	1	08/28/24 14:22	08/29/24 19:51	4151-50-2	
NEtFOSE	**<3.1**	ng/L	10.4	3.1	1	08/28/24 14:22	08/29/24 19:51	1691-99-2	
NMeFOSAA	**<4.1**	ng/L	10.4	4.1	1	08/28/24 14:22	08/29/24 19:51	2355-31-9	
NMeFOSA	**<3.3**	ng/L	10.4	3.3	1	08/28/24 14:22	08/29/24 19:51	31506-32-8	
NMeFOSE	**<2.5**	ng/L	10.4	2.5	1	08/28/24 14:22	08/29/24 19:51	24448-09-7	
PFBS	**7.7J**	ng/L	9.2	1.1	1	08/28/24 14:22	08/29/24 19:51	375-73-5	
PFDA	**<1.3**	ng/L	10.4	1.3	1	08/28/24 14:22	08/29/24 19:51	335-76-2	
PFHxA	**3.8J**	ng/L	10.4	2.0	1	08/28/24 14:22	08/29/24 19:51	307-24-4	
PFBA	**4.9J**	ng/L	10.4	1.5	1	08/28/24 14:22	08/29/24 19:51	375-22-4	
PFDS	**<3.0**	ng/L	10.1	3.0	1	08/28/24 14:22	08/29/24 19:51	335-77-3	
PFDoS	**<2.8**	ng/L	10.1	2.8	1	08/28/24 14:22	08/29/24 19:51	79780-39-5	
PFHpS	**<3.3**	ng/L	9.9	3.3	1	08/28/24 14:22	08/29/24 19:51	375-92-8	
PFNS	**<2.5**	ng/L	10.0	2.5	1	08/28/24 14:22	08/29/24 19:51	68259-12-1	
PFOSA	**<2.1**	ng/L	10.4	2.1	1	08/28/24 14:22	08/29/24 19:51	754-91-6	
PFPeA	**2.4J**	ng/L	10.4	0.95	1	08/28/24 14:22	08/29/24 19:51	2706-90-3	
PFPeS	**<1.3**	ng/L	9.8	1.3	1	08/28/24 14:22	08/29/24 19:51	2706-91-4	
PFDoA	**<2.3**	ng/L	10.4	2.3	1	08/28/24 14:22	08/29/24 19:51	307-55-1	
PFHpA	**3.4J**	ng/L	10.4	1.2	1	08/28/24 14:22	08/29/24 19:51	375-85-9	
PFHxS	**5.8J**	ng/L	9.5	1.2	1	08/28/24 14:22	08/29/24 19:51	355-46-4	
PFNA	**<1.1**	ng/L	10.4	1.1	1	08/28/24 14:22	08/29/24 19:51	375-95-1	
PFOS	**13.4**	ng/L	9.6	2.7	1	08/28/24 14:22	08/29/24 19:51	1763-23-1	
PFOA	**18.7**	ng/L	10.4	1.4	1	08/28/24 14:22	08/29/24 19:51	335-67-1	
PFTeDA	**<1.9**	ng/L	10.4	1.9	1	08/28/24 14:22	08/29/24 19:51	376-06-7	
PFTrDA	**<1.5**	ng/L	10.4	1.5	1	08/28/24 14:22	08/29/24 19:51	72629-94-8	
PFUnA	**<3.3**	ng/L	10.4	3.3	1	08/28/24 14:22	08/29/24 19:51	2058-94-8	
Surrogates									
13C4-PFBA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C5-PFPeA (S)	62	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C3-PFBS (S)	72	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C24:2FTS (S)	27	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C3HFPO-DA (S)	74	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C4-PFHpA (S)	74	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C3-PFHxS (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C26:2FTS (S)	41	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C8-PFOA (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C8-PFOS (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C9-PFNA (S)	81	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-14R **Lab ID: 40282876004** Collected: 08/20/24 11:35 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C28:2FTS (S)	38	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
d3-MeFOSAA (S)	52	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C7-PFUdA (S)	64	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C8-PFOSA (S)	52	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
d5-EtFOSAA (S)	55	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C2-PFDoA (S)	70	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
d3-NMeFOSA (S)	4	%.	10-150		1	08/28/24 14:22	08/29/24 19:51		S0
d7-NMeFOSE (S)	35	%.	10-150		1	08/28/24 14:22	08/29/24 19:51		
13C2-PFTA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
d9-NEtFOSE (S)	34	%.	10-150		1	08/28/24 14:22	08/29/24 19:51		
d5-NEtFOSA (S)	4	%.	10-150		1	08/28/24 14:22	08/29/24 19:51		S0
13C2PFHxDA (S)	46	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		
13C5-PFHxA (S)	74	%.	25-150		1	08/28/24 14:22	08/29/24 19:51		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-14R DUP **Lab ID: 40282876005** Collected: 08/20/24 11:40 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<2.2**	ng/L	10.0	2.2	1	08/28/24 14:22	08/29/24 19:59	763051-92-9	
4:2 FTS	**<1.9**	ng/L	10	1.9	1	08/28/24 14:22	08/29/24 19:59	757124-72-4	
6:2 FTS	**<3.0**	ng/L	10.1	3.0	1	08/28/24 14:22	08/29/24 19:59	27619-97-2	
8:2 FTS	**<4.2**	ng/L	10.3	4.2	1	08/28/24 14:22	08/29/24 19:59	39108-34-4	
9Cl-PF3ONS	**<1.9**	ng/L	9.9	1.9	1	08/28/24 14:22	08/29/24 19:59	756426-58-1	
ADONA	**<1.7**	ng/L	10.1	1.7	1	08/28/24 14:22	08/29/24 19:59	919005-14-4	
HFPO-DA	**<1.3**	ng/L	10.6	1.3	1	08/28/24 14:22	08/29/24 19:59	13252-13-6	
NEtFOSAA	**<3.0**	ng/L	10.6	3.0	1	08/28/24 14:22	08/29/24 19:59	2991-50-6	
NEtFOSA	**<2.4**	ng/L	10.6	2.4	1	08/28/24 14:22	08/29/24 19:59	4151-50-2	
NEtFOSE	**<3.2**	ng/L	10.6	3.2	1	08/28/24 14:22	08/29/24 19:59	1691-99-2	
NMeFOSAA	**<4.2**	ng/L	10.6	4.2	1	08/28/24 14:22	08/29/24 19:59	2355-31-9	
NMeFOSA	**<3.3**	ng/L	10.6	3.3	1	08/28/24 14:22	08/29/24 19:59	31506-32-8	
NMeFOSE	**<2.6**	ng/L	10.6	2.6	1	08/28/24 14:22	08/29/24 19:59	24448-09-7	
PFBS	**7.5J**	ng/L	9.4	1.1	1	08/28/24 14:22	08/29/24 19:59	375-73-5	
PFDA	**<1.3**	ng/L	10.6	1.3	1	08/28/24 14:22	08/29/24 19:59	335-76-2	
PFHxA	**4.0J**	ng/L	10.6	2.0	1	08/28/24 14:22	08/29/24 19:59	307-24-4	
PFBA	**5.2J**	ng/L	10.6	1.5	1	08/28/24 14:22	08/29/24 19:59	375-22-4	
PFDS	**<3.0**	ng/L	10.3	3.0	1	08/28/24 14:22	08/29/24 19:59	335-77-3	
PFDoS	**<2.8**	ng/L	10.3	2.8	1	08/28/24 14:22	08/29/24 19:59	79780-39-5	
PFHpS	**<3.4**	ng/L	10.1	3.4	1	08/28/24 14:22	08/29/24 19:59	375-92-8	
PFNS	**<2.5**	ng/L	10.2	2.5	1	08/28/24 14:22	08/29/24 19:59	68259-12-1	
PFOSA	**<2.1**	ng/L	10.6	2.1	1	08/28/24 14:22	08/29/24 19:59	754-91-6	
PFPeA	**2.5J**	ng/L	10.6	0.97	1	08/28/24 14:22	08/29/24 19:59	2706-90-3	
PFPeS	**<1.4**	ng/L	10.0	1.4	1	08/28/24 14:22	08/29/24 19:59	2706-91-4	
PFDoA	**<2.3**	ng/L	10.6	2.3	1	08/28/24 14:22	08/29/24 19:59	307-55-1	
PFHpA	**3.4J**	ng/L	10.6	1.3	1	08/28/24 14:22	08/29/24 19:59	375-85-9	
PFHxS	**6.0J**	ng/L	9.7	1.2	1	08/28/24 14:22	08/29/24 19:59	355-46-4	
PFNA	**<1.1**	ng/L	10.6	1.1	1	08/28/24 14:22	08/29/24 19:59	375-95-1	
PFOS	**14.6**	ng/L	9.8	2.7	1	08/28/24 14:22	08/29/24 19:59	1763-23-1	
PFOA	**19.2**	ng/L	10.6	1.4	1	08/28/24 14:22	08/29/24 19:59	335-67-1	
PFTeDA	**<1.9**	ng/L	10.6	1.9	1	08/28/24 14:22	08/29/24 19:59	376-06-7	
PFTrDA	**<1.5**	ng/L	10.6	1.5	1	08/28/24 14:22	08/29/24 19:59	72629-94-8	
PFUnA	**<3.4**	ng/L	10.6	3.4	1	08/28/24 14:22	08/29/24 19:59	2058-94-8	
Surrogates									
13C4-PFBA (S)	67	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C5-PFPeA (S)	65	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C3-PFBS (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C24:2FTS (S)	30	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C3HFPO-DA (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C4-PFHpA (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C3-PFHxS (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C26:2FTS (S)	45	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C8-PFOA (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C8-PFOS (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C9-PFNA (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-14R DUP **Lab ID: 40282876005** Collected: 08/20/24 11:40 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C28:2FTS (S)	44	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
d3-MeFOSAA (S)	51	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C7-PFUdA (S)	59	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C8-PFOSA (S)	38	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
d5-EtFOSAA (S)	46	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
13C2-PFDoA (S)	51	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		
d3-NMeFOSA (S)	0	%.	10-150		1	08/28/24 14:22	08/29/24 19:59		S0
d7-NMeFOSE (S)	7	%.	10-150		1	08/28/24 14:22	08/29/24 19:59		S0
13C2-PFTA (S)	14	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		S0
d9-NEtFOSE (S)	7	%.	10-150		1	08/28/24 14:22	08/29/24 19:59		S0
d5-NEtFOSA (S)	0	%.	10-150		1	08/28/24 14:22	08/29/24 19:59		S0
13C2PFHxDA (S)	1	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		S0
13C5-PFHxA (S)	77	%.	25-150		1	08/28/24 14:22	08/29/24 19:59		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-1R **Lab ID: 40282876006** Collected: 08/20/24 12:40 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<2.1**	ng/L	9.6	2.1	1	08/28/24 14:22	08/29/24 20:06	763051-92-9	
4:2 FTS	**<1.9**	ng/L	9.6	1.9	1	08/28/24 14:22	08/29/24 20:06	757124-72-4	
6:2 FTS	**<2.9**	ng/L	9.7	2.9	1	08/28/24 14:22	08/29/24 20:06	27619-97-2	
8:2 FTS	**<4.0**	ng/L	9.9	4.0	1	08/28/24 14:22	08/29/24 20:06	39108-34-4	
9Cl-PF3ONS	**<1.8**	ng/L	9.5	1.8	1	08/28/24 14:22	08/29/24 20:06	756426-58-1	
ADONA	**<1.6**	ng/L	9.7	1.6	1	08/28/24 14:22	08/29/24 20:06	919005-14-4	
HFPO-DA	**<1.3**	ng/L	10.2	1.3	1	08/28/24 14:22	08/29/24 20:06	13252-13-6	
NEtFOSAA	**<2.9**	ng/L	10.2	2.9	1	08/28/24 14:22	08/29/24 20:06	2991-50-6	
NEtFOSA	**<2.3**	ng/L	10.2	2.3	1	08/28/24 14:22	08/29/24 20:06	4151-50-2	
NEtFOSE	**<3.1**	ng/L	10.2	3.1	1	08/28/24 14:22	08/29/24 20:06	1691-99-2	
NMeFOSAA	**<4.0**	ng/L	10.2	4.0	1	08/28/24 14:22	08/29/24 20:06	2355-31-9	
NMeFOSA	**<3.2**	ng/L	10.2	3.2	1	08/28/24 14:22	08/29/24 20:06	31506-32-8	
NMeFOSE	**<2.5**	ng/L	10.2	2.5	1	08/28/24 14:22	08/29/24 20:06	24448-09-7	
PFBS	**2.9J**	ng/L	9.1	1.0	1	08/28/24 14:22	08/29/24 20:06	375-73-5	
PFDA	**<1.3**	ng/L	10.2	1.3	1	08/28/24 14:22	08/29/24 20:06	335-76-2	
PFHxA	**<1.9**	ng/L	10.2	1.9	1	08/28/24 14:22	08/29/24 20:06	307-24-4	
PFBA	**3.7J**	ng/L	10.2	1.4	1	08/28/24 14:22	08/29/24 20:06	375-22-4	
PFDS	**<2.9**	ng/L	9.9	2.9	1	08/28/24 14:22	08/29/24 20:06	335-77-3	
PFDoS	**<2.7**	ng/L	9.9	2.7	1	08/28/24 14:22	08/29/24 20:06	79780-39-5	
PFHpS	**<3.2**	ng/L	9.7	3.2	1	08/28/24 14:22	08/29/24 20:06	375-92-8	
PFNS	**<2.4**	ng/L	9.8	2.4	1	08/28/24 14:22	08/29/24 20:06	68259-12-1	
PFOSA	**<2.0**	ng/L	10.2	2.0	1	08/28/24 14:22	08/29/24 20:06	754-91-6	
PFPeA	**<0.94**	ng/L	10.2	0.94	1	08/28/24 14:22	08/29/24 20:06	2706-90-3	
PFPeS	**<1.3**	ng/L	9.6	1.3	1	08/28/24 14:22	08/29/24 20:06	2706-91-4	
PFDoA	**<2.2**	ng/L	10.2	2.2	1	08/28/24 14:22	08/29/24 20:06	307-55-1	
PFHpA	**<1.2**	ng/L	10.2	1.2	1	08/28/24 14:22	08/29/24 20:06	375-85-9	
PFHxS	**3.8J**	ng/L	9.3	1.2	1	08/28/24 14:22	08/29/24 20:06	355-46-4	
PFNA	**<1.1**	ng/L	10.2	1.1	1	08/28/24 14:22	08/29/24 20:06	375-95-1	
PFOS	**8.3J**	ng/L	9.5	2.6	1	08/28/24 14:22	08/29/24 20:06	1763-23-1	
PFOA	**7.8J**	ng/L	10.2	1.4	1	08/28/24 14:22	08/29/24 20:06	335-67-1	
PFTeDA	**<1.8**	ng/L	10.2	1.8	1	08/28/24 14:22	08/29/24 20:06	376-06-7	
PFTrDA	**<1.4**	ng/L	10.2	1.4	1	08/28/24 14:22	08/29/24 20:06	72629-94-8	
PFUnA	**<3.3**	ng/L	10.2	3.3	1	08/28/24 14:22	08/29/24 20:06	2058-94-8	
Surrogates									
13C4-PFBA (S)	66	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C5-PFPeA (S)	63	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C3-PFBS (S)	74	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C24:2FTS (S)	30	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C3HFPO-DA (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C4-PFHpA (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C3-PFHxS (S)	79	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C26:2FTS (S)	40	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C8-PFOA (S)	75	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C8-PFOS (S)	82	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C9-PFNA (S)	80	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SB-1R **Lab ID: 40282876006** Collected: 08/20/24 12:40 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	78	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C28:2FTS (S)	37	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
d3-MeFOSAA (S)	55	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C7-PFUdA (S)	72	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C8-PFOSA (S)	58	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
d5-EtFOSAA (S)	52	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C2-PFDoA (S)	76	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
d3-NMeFOSA (S)	7	%.	10-150		1	08/28/24 14:22	08/29/24 20:06		S0
d7-NMeFOSE (S)	40	%.	10-150		1	08/28/24 14:22	08/29/24 20:06		
13C2-PFTA (S)	69	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
d9-NEtFOSE (S)	36	%.	10-150		1	08/28/24 14:22	08/29/24 20:06		
d5-NEtFOSA (S)	6	%.	10-150		1	08/28/24 14:22	08/29/24 20:06		S0
13C2PFHxDA (S)	53	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		
13C5-PFHxA (S)	75	%.	25-150		1	08/28/24 14:22	08/29/24 20:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SBGW-3R **Lab ID: 40282876007** Collected: 08/20/24 12:25 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<4.0**	ng/L	18.5	4.0	1	09/05/24 14:10	09/09/24 13:45	763051-92-9	
4:2 FTS	**<3.6**	ng/L	18.4	3.6	1	09/05/24 14:10	09/09/24 13:45	757124-72-4	
6:2 FTS	**<5.6**	ng/L	18.7	5.6	1	09/05/24 14:10	09/09/24 13:45	27619-97-2	
8:2 FTS	**<7.8**	ng/L	19.0	7.8	1	09/05/24 14:10	09/09/24 13:45	39108-34-4	
9Cl-PF3ONS	**<3.5**	ng/L	18.3	3.5	1	09/05/24 14:10	09/09/24 13:45	756426-58-1	
ADONA	**<3.1**	ng/L	18.6	3.1	1	09/05/24 14:10	09/09/24 13:45	919005-14-4	
HFPO-DA	**<2.5**	ng/L	19.6	2.5	1	09/05/24 14:10	09/09/24 13:45	13252-13-6	
NEtFOSAA	**<5.6**	ng/L	19.6	5.6	1	09/05/24 14:10	09/09/24 13:45	2991-50-6	
NEtFOSA	**<4.5**	ng/L	19.6	4.5	1	09/05/24 14:10	09/09/24 13:45	4151-50-2	L2
NEtFOSE	**<5.9**	ng/L	19.6	5.9	1	09/05/24 14:10	09/09/24 13:45	1691-99-2	
NMeFOSAA	**<7.7**	ng/L	19.6	7.7	1	09/05/24 14:10	09/09/24 13:45	2355-31-9	
NMeFOSA	**<6.1**	ng/L	19.6	6.1	1	09/05/24 14:10	09/09/24 13:45	31506-32-8	L1
NMeFOSE	**<4.7**	ng/L	19.6	4.7	1	09/05/24 14:10	09/09/24 13:45	24448-09-7	
PFBS	**11.3J**	ng/L	17.4	2.0	1	09/05/24 14:10	09/09/24 13:45	375-73-5	
PFDA	**<2.5**	ng/L	19.6	2.5	1	09/05/24 14:10	09/09/24 13:45	335-76-2	
PFHxA	**<3.7**	ng/L	19.6	3.7	1	09/05/24 14:10	09/09/24 13:45	307-24-4	
PFBA	**4.9J**	ng/L	19.6	2.8	1	09/05/24 14:10	09/09/24 13:45	375-22-4	
PFDS	**<5.6**	ng/L	19.0	5.6	1	09/05/24 14:10	09/09/24 13:45	335-77-3	
PFDoS	**<5.2**	ng/L	19.1	5.2	1	09/05/24 14:10	09/09/24 13:45	79780-39-5	
PFHpS	**<6.2**	ng/L	18.7	6.2	1	09/05/24 14:10	09/09/24 13:45	375-92-8	
PFNS	**<4.7**	ng/L	18.9	4.7	1	09/05/24 14:10	09/09/24 13:45	68259-12-1	
PFOSA	**<3.9**	ng/L	19.6	3.9	1	09/05/24 14:10	09/09/24 13:45	754-91-6	
PFPeA	**<1.8**	ng/L	19.6	1.8	1	09/05/24 14:10	09/09/24 13:45	2706-90-3	
PFPeS	**<2.5**	ng/L	18.5	2.5	1	09/05/24 14:10	09/09/24 13:45	2706-91-4	
PFDoA	**<4.2**	ng/L	19.6	4.2	1	09/05/24 14:10	09/09/24 13:45	307-55-1	
PFHpA	**3.3J**	ng/L	19.6	2.3	1	09/05/24 14:10	09/09/24 13:45	375-85-9	
PFHxS	**5.4J**	ng/L	17.9	2.3	1	09/05/24 14:10	09/09/24 13:45	355-46-4	
PFNA	**<2.1**	ng/L	19.6	2.1	1	09/05/24 14:10	09/09/24 13:45	375-95-1	
PFOS	**12.8J**	ng/L	18.2	5.0	1	09/05/24 14:10	09/09/24 13:45	1763-23-1	
PFOA	**12.5J**	ng/L	19.6	2.6	1	09/05/24 14:10	09/09/24 13:45	335-67-1	
PFTeDA	**<3.5**	ng/L	19.6	3.5	1	09/05/24 14:10	09/09/24 13:45	376-06-7	
PFTrDA	**<2.8**	ng/L	19.6	2.8	1	09/05/24 14:10	09/09/24 13:45	72629-94-8	
PFUnA	**<6.3**	ng/L	19.6	6.3	1	09/05/24 14:10	09/09/24 13:45	2058-94-8	
Surrogates									
13C4-PFBA (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C5-PFPeA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C3-PFBS (S)	87	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C24:2FTS (S)	36	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C3HFPO-DA (S)	92	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C4-PFHpA (S)	87	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C3-PFHxS (S)	88	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C26:2FTS (S)	47	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C8-PFOA (S)	88	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C8-PFOS (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C9-PFNA (S)	88	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: SBGW-3R **Lab ID: 40282876007** Collected: 08/20/24 12:25 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	85	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C28:2FTS (S)	44	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
d3-MeFOSAA (S)	71	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C7-PFUdA (S)	78	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C8-PFOSA (S)	76	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
d5-EtFOSAA (S)	66	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C2-PFDoA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
d3-NMeFOSA (S)	6	%.	10-150		1	09/05/24 14:10	09/09/24 13:45		S0
d7-NMeFOSE (S)	58	%.	10-150		1	09/05/24 14:10	09/09/24 13:45		
13C2-PFTA (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
d9-NEtFOSE (S)	51	%.	10-150		1	09/05/24 14:10	09/09/24 13:45		
d5-NEtFOSA (S)	4	%.	10-150		1	09/05/24 14:10	09/09/24 13:45		S0
13C2PFHxDA (S)	75	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		
13C5-PFHxA (S)	88	%.	25-150		1	09/05/24 14:10	09/09/24 13:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: MW-36 **Lab ID: 40282876008** Collected: 08/20/24 13:00 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<4.2**	ng/L	19.5	4.2	1	09/05/24 14:10	09/09/24 13:52	763051-92-9	
4:2 FTS	**<3.8**	ng/L	19.4	3.8	1	09/05/24 14:10	09/09/24 13:52	757124-72-4	
6:2 FTS	**<5.9**	ng/L	19.7	5.9	1	09/05/24 14:10	09/09/24 13:52	27619-97-2	
8:2 FTS	**<8.2**	ng/L	20.1	8.2	1	09/05/24 14:10	09/09/24 13:52	39108-34-4	
9Cl-PF3ONS	**<3.7**	ng/L	19.3	3.7	1	09/05/24 14:10	09/09/24 13:52	756426-58-1	
ADONA	**<3.3**	ng/L	19.6	3.3	1	09/05/24 14:10	09/09/24 13:52	919005-14-4	
HFPO-DA	**<2.6**	ng/L	20.8	2.6	1	09/05/24 14:10	09/09/24 13:52	13252-13-6	
NEtFOSAA	**<5.9**	ng/L	20.8	5.9	1	09/05/24 14:10	09/09/24 13:52	2991-50-6	
NEtFOSA	**<4.7**	ng/L	20.8	4.7	1	09/05/24 14:10	09/09/24 13:52	4151-50-2	L2
NEtFOSE	**<6.2**	ng/L	20.8	6.2	1	09/05/24 14:10	09/09/24 13:52	1691-99-2	
NMeFOSAA	**<8.1**	ng/L	20.8	8.1	1	09/05/24 14:10	09/09/24 13:52	2355-31-9	
NMeFOSA	**<6.5**	ng/L	20.8	6.5	1	09/05/24 14:10	09/09/24 13:52	31506-32-8	L1
NMeFOSE	**<5.0**	ng/L	20.8	5.0	1	09/05/24 14:10	09/09/24 13:52	24448-09-7	
PFBS	**7.5J**	ng/L	18.4	2.1	1	09/05/24 14:10	09/09/24 13:52	375-73-5	
PFDA	**<2.6**	ng/L	20.8	2.6	1	09/05/24 14:10	09/09/24 13:52	335-76-2	
PFHxA	**10.6J**	ng/L	20.8	3.9	1	09/05/24 14:10	09/09/24 13:52	307-24-4	
PFBA	**<2.9**	ng/L	20.8	2.9	1	09/05/24 14:10	09/09/24 13:52	375-22-4	
PFDS	**<5.9**	ng/L	20.1	5.9	1	09/05/24 14:10	09/09/24 13:52	335-77-3	
PFDoS	**<5.5**	ng/L	20.2	5.5	1	09/05/24 14:10	09/09/24 13:52	79780-39-5	
PFHpS	**<6.5**	ng/L	19.7	6.5	1	09/05/24 14:10	09/09/24 13:52	375-92-8	
PFNS	**<4.9**	ng/L	20.0	4.9	1	09/05/24 14:10	09/09/24 13:52	68259-12-1	
PFOSA	**<4.1**	ng/L	20.8	4.1	1	09/05/24 14:10	09/09/24 13:52	754-91-6	
PFPeA	**6.1J**	ng/L	20.8	1.9	1	09/05/24 14:10	09/09/24 13:52	2706-90-3	
PFPeS	**<2.7**	ng/L	19.5	2.7	1	09/05/24 14:10	09/09/24 13:52	2706-91-4	
PFDoA	**<4.5**	ng/L	20.8	4.5	1	09/05/24 14:10	09/09/24 13:52	307-55-1	
PFHpA	**6.8J**	ng/L	20.8	2.4	1	09/05/24 14:10	09/09/24 13:52	375-85-9	
PFHxS	**6.9J**	ng/L	18.9	2.4	1	09/05/24 14:10	09/09/24 13:52	355-46-4	
PFNA	**<2.2**	ng/L	20.8	2.2	1	09/05/24 14:10	09/09/24 13:52	375-95-1	
PFOS	**43.0**	ng/L	19.2	5.3	1	09/05/24 14:10	09/09/24 13:52	1763-23-1	
PFOA	**36.9**	ng/L	20.8	2.8	1	09/05/24 14:10	09/09/24 13:52	335-67-1	
PFTeDA	**<3.8**	ng/L	20.8	3.8	1	09/05/24 14:10	09/09/24 13:52	376-06-7	
PFTrDA	**<2.9**	ng/L	20.8	2.9	1	09/05/24 14:10	09/09/24 13:52	72629-94-8	
PFUnA	**<6.6**	ng/L	20.8	6.6	1	09/05/24 14:10	09/09/24 13:52	2058-94-8	
Surrogates									
13C4-PFBA (S)	77	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C5-PFPeA (S)	66	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C3-PFBS (S)	74	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C24:2FTS (S)	37	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C3HFPO-DA (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C4-PFHpA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C3-PFHxS (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C26:2FTS (S)	65	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C8-PFOA (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C8-PFOS (S)	88	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C9-PFNA (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: MW-36 **Lab ID: 40282876008** Collected: 08/20/24 13:00 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C28:2FTS (S)	61	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
d3-MeFOSAA (S)	69	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C7-PFUdA (S)	76	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C8-PFOSA (S)	58	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
d5-EtFOSAA (S)	60	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
13C2-PFDoA (S)	73	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
d3-NMeFOSA (S)	8	%.	10-150		1	09/05/24 14:10	09/09/24 13:52		S0
d7-NMeFOSE (S)	30	%.	10-150		1	09/05/24 14:10	09/09/24 13:52		
13C2-PFTA (S)	47	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		
d9-NEtFOSE (S)	24	%.	10-150		1	09/05/24 14:10	09/09/24 13:52		
d5-NEtFOSA (S)	5	%.	10-150		1	09/05/24 14:10	09/09/24 13:52		S0
13C2PFHxDA (S)	17	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		S0
13C5-PFHxA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 13:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: FIELD BLANK **Lab ID: 40282876009** Collected: 08/20/24 10:00 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.41**	ng/L	1.9	0.41	1	09/05/24 14:10	09/09/24 13:59	763051-92-9	
4:2 FTS	**<0.36**	ng/L	1.9	0.36	1	09/05/24 14:10	09/09/24 13:59	757124-72-4	
6:2 FTS	**<0.57**	ng/L	1.9	0.57	1	09/05/24 14:10	09/09/24 13:59	27619-97-2	
8:2 FTS	**<0.79**	ng/L	1.9	0.79	1	09/05/24 14:10	09/09/24 13:59	39108-34-4	
9Cl-PF3ONS	**<0.35**	ng/L	1.9	0.35	1	09/05/24 14:10	09/09/24 13:59	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	09/05/24 14:10	09/09/24 13:59	919005-14-4	
HFPO-DA	**<0.25**	ng/L	2.0	0.25	1	09/05/24 14:10	09/09/24 13:59	13252-13-6	
NEtFOSAA	**<0.57**	ng/L	2.0	0.57	1	09/05/24 14:10	09/09/24 13:59	2991-50-6	
NEtFOSA	**<0.45**	ng/L	2.0	0.45	1	09/05/24 14:10	09/09/24 13:59	4151-50-2	L2
NEtFOSE	**<0.60**	ng/L	2.0	0.60	1	09/05/24 14:10	09/09/24 13:59	1691-99-2	
NMeFOSAA	**<0.78**	ng/L	2.0	0.78	1	09/05/24 14:10	09/09/24 13:59	2355-31-9	
NMeFOSA	**1.3J**	ng/L	2.0	0.62	1	09/05/24 14:10	09/09/24 13:59	31506-32-8	L1
NMeFOSE	**<0.48**	ng/L	2.0	0.48	1	09/05/24 14:10	09/09/24 13:59	24448-09-7	
PFBS	**<0.20**	ng/L	1.8	0.20	1	09/05/24 14:10	09/09/24 13:59	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	09/05/24 14:10	09/09/24 13:59	335-76-2	
PFHxA	**<0.38**	ng/L	2.0	0.38	1	09/05/24 14:10	09/09/24 13:59	307-24-4	
PFBA	**<0.28**	ng/L	2.0	0.28	1	09/05/24 14:10	09/09/24 13:59	375-22-4	
PFDS	**<0.57**	ng/L	1.9	0.57	1	09/05/24 14:10	09/09/24 13:59	335-77-3	
PFDoS	**<0.53**	ng/L	1.9	0.53	1	09/05/24 14:10	09/09/24 13:59	79780-39-5	
PFHpS	**<0.63**	ng/L	1.9	0.63	1	09/05/24 14:10	09/09/24 13:59	375-92-8	
PFNS	**<0.47**	ng/L	1.9	0.47	1	09/05/24 14:10	09/09/24 13:59	68259-12-1	
PFOSA	**<0.40**	ng/L	2.0	0.40	1	09/05/24 14:10	09/09/24 13:59	754-91-6	
PFPeA	**<0.18**	ng/L	2.0	0.18	1	09/05/24 14:10	09/09/24 13:59	2706-90-3	
PFPeS	**<0.26**	ng/L	1.9	0.26	1	09/05/24 14:10	09/09/24 13:59	2706-91-4	
PFDoA	**<0.43**	ng/L	2.0	0.43	1	09/05/24 14:10	09/09/24 13:59	307-55-1	
PFHpA	**<0.23**	ng/L	2.0	0.23	1	09/05/24 14:10	09/09/24 13:59	375-85-9	
PFHxS	**<0.23**	ng/L	1.8	0.23	1	09/05/24 14:10	09/09/24 13:59	355-46-4	
PFNA	**<0.21**	ng/L	2.0	0.21	1	09/05/24 14:10	09/09/24 13:59	375-95-1	
PFOS	**<0.51**	ng/L	1.8	0.51	1	09/05/24 14:10	09/09/24 13:59	1763-23-1	
PFOA	**<0.27**	ng/L	2.0	0.27	1	09/05/24 14:10	09/09/24 13:59	335-67-1	
PFTeDA	**<0.36**	ng/L	2.0	0.36	1	09/05/24 14:10	09/09/24 13:59	376-06-7	
PFTrDA	**<0.28**	ng/L	2.0	0.28	1	09/05/24 14:10	09/09/24 13:59	72629-94-8	
PFUnA	**<0.64**	ng/L	2.0	0.64	1	09/05/24 14:10	09/09/24 13:59	2058-94-8	
Surrogates									
13C4-PFBA (S)	85	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C5-PFPeA (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C3-PFBS (S)	83	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C24:2FTS (S)	36	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C3HFPO-DA (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C4-PFHpA (S)	79	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C3-PFHxS (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C26:2FTS (S)	40	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C8-PFOA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C8-PFOS (S)	78	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C9-PFNA (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: FIELD BLANK **Lab ID: 40282876009** Collected: 08/20/24 10:00 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C28:2FTS (S)	72	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
d3-MeFOSAA (S)	66	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C7-PFUdA (S)	76	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C8-PFOSA (S)	72	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
d5-EtFOSAA (S)	73	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C2-PFDoA (S)	77	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
d3-NMeFOSA (S)	3	%.	10-150		1	09/05/24 14:10	09/09/24 13:59		S0
d7-NMeFOSE (S)	55	%.	10-150		1	09/05/24 14:10	09/09/24 13:59		
13C2-PFTA (S)	76	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
d9-NEtFOSE (S)	45	%.	10-150		1	09/05/24 14:10	09/09/24 13:59		
d5-NEtFOSA (S)	2	%.	10-150		1	09/05/24 14:10	09/09/24 13:59		S0
13C2PFHxDA (S)	65	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		
13C5-PFHxA (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 13:59		

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: EQUIPMENT BLANK **Lab ID: 40282876010** Collected: 08/20/24 10:10 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.40**	ng/L	1.8	0.40	1	09/05/24 14:10	09/09/24 14:06	763051-92-9	
4:2 FTS	**<0.35**	ng/L	1.8	0.35	1	09/05/24 14:10	09/09/24 14:06	757124-72-4	
6:2 FTS	**<0.56**	ng/L	1.9	0.56	1	09/05/24 14:10	09/09/24 14:06	27619-97-2	
8:2 FTS	**<0.77**	ng/L	1.9	0.77	1	09/05/24 14:10	09/09/24 14:06	39108-34-4	
9Cl-PF3ONS	**<0.34**	ng/L	1.8	0.34	1	09/05/24 14:10	09/09/24 14:06	756426-58-1	
ADONA	**<0.31**	ng/L	1.8	0.31	1	09/05/24 14:10	09/09/24 14:06	919005-14-4	
HFPO-DA	**<0.25**	ng/L	1.9	0.25	1	09/05/24 14:10	09/09/24 14:06	13252-13-6	
NEtFOSAA	**<0.55**	ng/L	1.9	0.55	1	09/05/24 14:10	09/09/24 14:06	2991-50-6	
NEtFOSA	**<0.44**	ng/L	1.9	0.44	1	09/05/24 14:10	09/09/24 14:06	4151-50-2	L2
NEtFOSE	**<0.58**	ng/L	1.9	0.58	1	09/05/24 14:10	09/09/24 14:06	1691-99-2	
NMeFOSAA	**<0.76**	ng/L	1.9	0.76	1	09/05/24 14:10	09/09/24 14:06	2355-31-9	
NMeFOSA	**<0.61**	ng/L	1.9	0.61	1	09/05/24 14:10	09/09/24 14:06	31506-32-8	L1
NMeFOSE	**<0.47**	ng/L	1.9	0.47	1	09/05/24 14:10	09/09/24 14:06	24448-09-7	
PFBS	**<0.20**	ng/L	1.7	0.20	1	09/05/24 14:10	09/09/24 14:06	375-73-5	
PFDA	**<0.24**	ng/L	1.9	0.24	1	09/05/24 14:10	09/09/24 14:06	335-76-2	
PFHxA	**<0.37**	ng/L	1.9	0.37	1	09/05/24 14:10	09/09/24 14:06	307-24-4	
PFBA	**<0.27**	ng/L	1.9	0.27	1	09/05/24 14:10	09/09/24 14:06	375-22-4	
PFDS	**<0.55**	ng/L	1.9	0.55	1	09/05/24 14:10	09/09/24 14:06	335-77-3	
PFDoS	**<0.52**	ng/L	1.9	0.52	1	09/05/24 14:10	09/09/24 14:06	79780-39-5	
PFHpS	**<0.61**	ng/L	1.9	0.61	1	09/05/24 14:10	09/09/24 14:06	375-92-8	
PFNS	**<0.46**	ng/L	1.9	0.46	1	09/05/24 14:10	09/09/24 14:06	68259-12-1	
PFOSA	**<0.39**	ng/L	1.9	0.39	1	09/05/24 14:10	09/09/24 14:06	754-91-6	
PFPeA	**<0.18**	ng/L	1.9	0.18	1	09/05/24 14:10	09/09/24 14:06	2706-90-3	
PFPeS	**<0.25**	ng/L	1.8	0.25	1	09/05/24 14:10	09/09/24 14:06	2706-91-4	
PFDoA	**<0.42**	ng/L	1.9	0.42	1	09/05/24 14:10	09/09/24 14:06	307-55-1	
PFHpA	**<0.23**	ng/L	1.9	0.23	1	09/05/24 14:10	09/09/24 14:06	375-85-9	
PFHxS	**<0.23**	ng/L	1.8	0.23	1	09/05/24 14:10	09/09/24 14:06	355-46-4	
PFNA	**<0.20**	ng/L	1.9	0.20	1	09/05/24 14:10	09/09/24 14:06	375-95-1	
PFOS	**<0.50**	ng/L	1.8	0.50	1	09/05/24 14:10	09/09/24 14:06	1763-23-1	
PFOA	**<0.26**	ng/L	1.9	0.26	1	09/05/24 14:10	09/09/24 14:06	335-67-1	
PFTeDA	**<0.35**	ng/L	1.9	0.35	1	09/05/24 14:10	09/09/24 14:06	376-06-7	
PFTrDA	**<0.27**	ng/L	1.9	0.27	1	09/05/24 14:10	09/09/24 14:06	72629-94-8	
PFUnA	**<0.62**	ng/L	1.9	0.62	1	09/05/24 14:10	09/09/24 14:06	2058-94-8	
Surrogates									
13C4-PFBA (S)	87	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C5-PFPeA (S)	83	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C3-PFBS (S)	84	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C24:2FTS (S)	39	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C3HFPO-DA (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C4-PFHpA (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C3-PFHxS (S)	82	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C26:2FTS (S)	62	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C8-PFOA (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C8-PFOS (S)	78	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C9-PFNA (S)	86	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Sample: EQUIPMENT BLANK **Lab ID: 40282876010** Collected: 08/20/24 10:10 Received: 08/20/24 16:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	81	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C28:2FTS (S)	62	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
d3-MeFOSAA (S)	62	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C7-PFUdA (S)	78	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C8-PFOSA (S)	70	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
d5-EtFOSAA (S)	70	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C2-PFDoA (S)	75	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
d3-NMeFOSA (S)	3	%.	10-150		1	09/05/24 14:10	09/09/24 14:06		S0
d7-NMeFOSE (S)	41	%.	10-150		1	09/05/24 14:10	09/09/24 14:06		
13C2-PFTA (S)	67	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
d9-NEtFOSE (S)	37	%.	10-150		1	09/05/24 14:10	09/09/24 14:06		
d5-NEtFOSA (S)	1	%.	10-150		1	09/05/24 14:10	09/09/24 14:06		S0
13C2PFHxDA (S)	44	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		
13C5-PFHxA (S)	83	%.	25-150		1	09/05/24 14:10	09/09/24 14:06		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

QC Batch: 964742 | Analysis Method: ENV-SOP-MIN4-0178
QC Batch Method: ENV-SOP-MIN4-0178 | Analysis Description: WI ID NPW
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40282876001, 40282876002, 40282876003, 40282876004, 40282876005, 40282876006

METHOD BLANK: 5041973 Matrix: Water
Associated Lab Samples: 40282876001, 40282876002, 40282876003, 40282876004, 40282876005, 40282876006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.41	1.9	08/29/24 17:13	
4:2 FTS	ng/L	<0.36	1.9	08/29/24 17:13	
6:2 FTS	ng/L	<0.57	1.9	08/29/24 17:13	
8:2 FTS	ng/L	<0.79	1.9	08/29/24 17:13	
9Cl-PF3ONS	ng/L	<0.35	1.9	08/29/24 17:13	
ADONA	ng/L	<0.32	1.9	08/29/24 17:13	
HFPO-DA	ng/L	<0.25	2.0	08/29/24 17:13	
NEtFOSA	ng/L	<0.45	2.0	08/29/24 17:13	
NEtFOSAA	ng/L	<0.57	2.0	08/29/24 17:13	
NEtFOSE	ng/L	<0.60	2.0	08/29/24 17:13	
NMeFOSA	ng/L	<0.62	2.0	08/29/24 17:13	
NMeFOSAA	ng/L	<0.78	2.0	08/29/24 17:13	
NMeFOSE	ng/L	<0.48	2.0	08/29/24 17:13	
PFBA	ng/L	<0.28	2.0	08/29/24 17:13	
PFBS	ng/L	<0.20	1.8	08/29/24 17:13	
PFDA	ng/L	<0.25	2.0	08/29/24 17:13	
PFDoA	ng/L	<0.43	2.0	08/29/24 17:13	
PFDoS	ng/L	<0.53	1.9	08/29/24 17:13	
PFDS	ng/L	<0.57	1.9	08/29/24 17:13	
PFHpA	ng/L	<0.23	2.0	08/29/24 17:13	
PFHpS	ng/L	<0.63	1.9	08/29/24 17:13	
PFHxA	ng/L	<0.38	2.0	08/29/24 17:13	
PFHxS	ng/L	<0.23	1.8	08/29/24 17:13	
PFNA	ng/L	<0.21	2.0	08/29/24 17:13	
PFNS	ng/L	<0.47	1.9	08/29/24 17:13	
PFOA	ng/L	<0.27	2.0	08/29/24 17:13	
PFOS	ng/L	<0.51	1.8	08/29/24 17:13	
PFOSA	ng/L	<0.40	2.0	08/29/24 17:13	
PFPeA	ng/L	<0.18	2.0	08/29/24 17:13	
PFPeS	ng/L	<0.26	1.9	08/29/24 17:13	
PFTeDA	ng/L	<0.36	2.0	08/29/24 17:13	
PFTrDA	ng/L	<0.28	2.0	08/29/24 17:13	
PFUnA	ng/L	<0.64	2.0	08/29/24 17:13	
13C2-PFDoA (S)	%.	87	25-150	08/29/24 17:13	
13C2-PFTA (S)	%.	79	25-150	08/29/24 17:13	
13C24:2FTS (S)	%.	90	25-150	08/29/24 17:13	
13C26:2FTS (S)	%.	107	25-150	08/29/24 17:13	
13C28:2FTS (S)	%.	84	25-150	08/29/24 17:13	
13C2PFHxDA (S)	%.	68	25-150	08/29/24 17:13	
13C3-PFBS (S)	%.	90	25-150	08/29/24 17:13	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

METHOD BLANK: 5041973 Matrix: Water
Associated Lab Samples: 40282876001, 40282876002, 40282876003, 40282876004, 40282876005, 40282876006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFHxS (S)	%.	87	25-150	08/29/24 17:13	
13C3HFPO-DA (S)	%.	83	25-150	08/29/24 17:13	
13C4-PFBA (S)	%.	86	25-150	08/29/24 17:13	
13C4-PFHpA (S)	%.	88	25-150	08/29/24 17:13	
13C5-PFHxA (S)	%.	86	25-150	08/29/24 17:13	
13C5-PFPeA (S)	%.	84	25-150	08/29/24 17:13	
13C6-PFDA (S)	%.	94	25-150	08/29/24 17:13	
13C7-PFUdA (S)	%.	81	25-150	08/29/24 17:13	
13C8-PFOA (S)	%.	91	25-150	08/29/24 17:13	
13C8-PFOS (S)	%.	86	25-150	08/29/24 17:13	
13C8-PFOSA (S)	%.	82	25-150	08/29/24 17:13	
13C9-PFNA (S)	%.	92	25-150	08/29/24 17:13	
d3-MeFOSAA (S)	%.	78	25-150	08/29/24 17:13	
d3-NMeFOSA (S)	%.	33	20-150	08/29/24 17:13	
d5-EtFOSAA (S)	%.	79	25-150	08/29/24 17:13	
d5-NEtFOSA (S)	%.	28	20-150	08/29/24 17:13	
d7-NMeFOSE (S)	%.	85	20-150	08/29/24 17:13	
d9-NEtFOSE (S)	%.	86	20-150	08/29/24 17:13	

LABORATORY CONTROL SAMPLE & LCSD: 5041974 5041975

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	3.8	3.7	3.6	98	98	50-150	1	30	
4:2 FTS	ng/L	3.7	4.0	3.8	108	104	50-150	6	30	
6:2 FTS	ng/L	3.8	3.9	3.6	104	97	50-150	9	30	
8:2 FTS	ng/L	3.8	4.2	3.6	109	95	50-150	15	30	
9Cl-PF3ONS	ng/L	3.7	4.2	3.9	113	107	50-150	7	30	
ADONA	ng/L	3.8	3.9	3.7	102	99	50-150	5	30	
HFPO-DA	ng/L	4	3.9	3.7	97	94	50-150	5	30	
NEtFOSA	ng/L	4	3.4	3.3	85	85	50-150	2	30	
NEtFOSAA	ng/L	4	3.7	4.4	93	112	50-150	16	30	
NEtFOSE	ng/L	4	4.1	4.2	102	106	50-150	2	30	
NMeFOSA	ng/L	4	4.7	2.0	118	51	50-150	80	30	R1
NMeFOSAA	ng/L	4	4.2	4.1	104	105	50-150	1	30	
NMeFOSE	ng/L	4	3.7	3.7	93	93	50-150	2	30	
PFBA	ng/L	4	4.1	4.0	103	102	50-150	3	30	
PFBS	ng/L	3.5	3.8	3.6	108	104	50-150	6	30	
PFDA	ng/L	4	4.4	4.2	110	108	50-150	3	30	
PFDoA	ng/L	4	4.4	4.1	109	105	50-150	6	30	
PFDoS	ng/L	3.9	4.3	2.3	111	61	50-150	60	30	R1
PFDS	ng/L	3.9	4.3	3.7	112	97	50-150	16	30	
PFHpA	ng/L	4	4.1	4.1	102	104	50-150	0	30	
PFHpS	ng/L	3.8	3.9	3.8	103	101	50-150	4	30	
PFHxA	ng/L	4	4.3	4.2	108	107	50-150	3	30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

LABORATORY CONTROL SAMPLE & LCSD: 5041974 5041975

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PFHxS	ng/L	3.7	3.9	3.8	107	105	50-150	4	30	
PFNA	ng/L	4	4.4	4.0	109	103	50-150	8	30	
PFNS	ng/L	3.8	4.0	4.2	104	113	50-150	6	30	
PFOA	ng/L	4	4.3	3.9	108	100	50-150	9	30	
PFOS	ng/L	3.7	4.4	3.9	119	108	50-150	11	30	
PFOSA	ng/L	4	4.3	4.2	109	108	50-150	2	30	
PFPeA	ng/L	4	4.5	4.3	113	108	50-150	6	30	
PFPeS	ng/L	3.8	4.1	4.0	109	108	50-150	3	30	
PFTeDA	ng/L	4	4.3	4.1	107	105	50-150	4	30	
PFTrDA	ng/L	4	4.6	3.6	115	92	50-150	25	30	
PFUnA	ng/L	4	4.5	4.1	112	104	50-150	9	30	
13C2-PFDoA (S)	%.				83	66	25-150			
13C2-PFTA (S)	%.				76	32	25-150			
13C24:2FTS (S)	%.				83	63	25-150			
13C26:2FTS (S)	%.				95	73	25-150			
13C28:2FTS (S)	%.				81	54	25-150			
13C2PFHxDA (S)	%.				64	5	25-150			S0
13C3-PFBS (S)	%.				83	93	25-150			
13C3-PFHxS (S)	%.				80	86	25-150			
13C3HFPO-DA (S)	%.				82	96	25-150			
13C4-PFBA (S)	%.				81	90	25-150			
13C4-PFHpA (S)	%.				84	88	25-150			
13C5-PFHxA (S)	%.				81	89	25-150			
13C5-PFPeA (S)	%.				79	88	25-150			
13C6-PFDA (S)	%.				85	88	25-150			
13C7-PFUdA (S)	%.				77	74	25-150			
13C8-PFOA (S)	%.				83	92	25-150			
13C8-PFOS (S)	%.				81	85	25-150			
13C8-PFOSA (S)	%.				77	54	25-150			
13C9-PFNA (S)	%.				89	92	25-150			
d3-MeFOSAA (S)	%.				74	73	25-150			
d3-NMeFOSA (S)	%.				19	1	20-150			S0
d5-EtFOSAA (S)	%.				76	71	25-150			
d5-NEtFOSA (S)	%.				15	1	20-150			S0
d7-NMeFOSE (S)	%.				73	12	20-150			S0
d9-NEtFOSE (S)	%.				70	8	20-150			S0

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

QC Batch: 966003
QC Batch Method: ENV-SOP-MIN4-0178
Analysis Method: ENV-SOP-MIN4-0178
Analysis Description: WI ID NPW
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40282876007, 40282876008, 40282876009, 40282876010

METHOD BLANK: 5048577 Matrix: Water
Associated Lab Samples: 40282876007, 40282876008, 40282876009, 40282876010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.41	1.9	09/09/24 11:20	
4:2 FTS	ng/L	<0.37	1.9	09/09/24 11:20	
6:2 FTS	ng/L	<0.58	1.9	09/09/24 11:20	
8:2 FTS	ng/L	<0.80	2.0	09/09/24 11:20	
9Cl-PF3ONS	ng/L	<0.36	1.9	09/09/24 11:20	
ADONA	ng/L	<0.32	1.9	09/09/24 11:20	
HFPO-DA	ng/L	<0.26	2.0	09/09/24 11:20	
NEtFOSA	ng/L	<0.46	2.0	09/09/24 11:20	
NEtFOSAA	ng/L	<0.58	2.0	09/09/24 11:20	
NEtFOSE	ng/L	<0.61	2.0	09/09/24 11:20	
NMeFOSA	ng/L	<0.63	2.0	09/09/24 11:20	
NMeFOSAA	ng/L	<0.79	2.0	09/09/24 11:20	
NMeFOSE	ng/L	<0.49	2.0	09/09/24 11:20	
PFBA	ng/L	<0.28	2.0	09/09/24 11:20	
PFBS	ng/L	<0.21	1.8	09/09/24 11:20	
PFDA	ng/L	<0.25	2.0	09/09/24 11:20	
PFDoA	ng/L	<0.44	2.0	09/09/24 11:20	
PFDoS	ng/L	<0.54	2.0	09/09/24 11:20	
PFDS	ng/L	<0.58	2.0	09/09/24 11:20	
PFHpA	ng/L	<0.24	2.0	09/09/24 11:20	
PFHpS	ng/L	<0.64	1.9	09/09/24 11:20	
PFHxA	ng/L	<0.38	2.0	09/09/24 11:20	
PFHxS	ng/L	<0.24	1.8	09/09/24 11:20	
PFNA	ng/L	<0.21	2.0	09/09/24 11:20	
PFNS	ng/L	<0.48	1.9	09/09/24 11:20	
PFOA	ng/L	<0.27	2.0	09/09/24 11:20	
PFOS	ng/L	<0.52	1.9	09/09/24 11:20	
PFOSA	ng/L	<0.40	2.0	09/09/24 11:20	
PFPeA	ng/L	<0.19	2.0	09/09/24 11:20	
PFPeS	ng/L	<0.26	1.9	09/09/24 11:20	
PFTeDA	ng/L	<0.37	2.0	09/09/24 11:20	
PFTrDA	ng/L	<0.29	2.0	09/09/24 11:20	
PFUnA	ng/L	<0.65	2.0	09/09/24 11:20	
13C2-PFDoA (S)	%.	91	25-150	09/09/24 11:20	
13C2-PFTA (S)	%.	88	25-150	09/09/24 11:20	
13C24:2FTS (S)	%.	68	25-150	09/09/24 11:20	
13C26:2FTS (S)	%.	86	25-150	09/09/24 11:20	
13C28:2FTS (S)	%.	91	25-150	09/09/24 11:20	
13C2PFHxDA (S)	%.	62	25-150	09/09/24 11:20	
13C3-PFBS (S)	%.	98	25-150	09/09/24 11:20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

METHOD BLANK: 5048577 Matrix: Water
Associated Lab Samples: 40282876007, 40282876008, 40282876009, 40282876010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFHxS (S)	%.	96	25-150	09/09/24 11:20	
13C3HFPO-DA (S)	%.	99	25-150	09/09/24 11:20	
13C4-PFBA (S)	%.	99	25-150	09/09/24 11:20	
13C4-PFHpA (S)	%.	97	25-150	09/09/24 11:20	
13C5-PFHxA (S)	%.	95	25-150	09/09/24 11:20	
13C5-PFPeA (S)	%.	97	25-150	09/09/24 11:20	
13C6-PFDA (S)	%.	92	25-150	09/09/24 11:20	
13C7-PFUdA (S)	%.	91	25-150	09/09/24 11:20	
13C8-PFOA (S)	%.	96	25-150	09/09/24 11:20	
13C8-PFOS (S)	%.	90	25-150	09/09/24 11:20	
13C8-PFOSA (S)	%.	77	25-150	09/09/24 11:20	
13C9-PFNA (S)	%.	99	25-150	09/09/24 11:20	
d3-MeFOSAA (S)	%.	82	25-150	09/09/24 11:20	
d3-NMeFOSA (S)	%.	2	20-150	09/09/24 11:20	S0
d5-EtFOSAA (S)	%.	80	25-150	09/09/24 11:20	
d5-NEtFOSA (S)	%.	2	20-150	09/09/24 11:20	S0
d7-NMeFOSE (S)	%.	45	20-150	09/09/24 11:20	
d9-NEtFOSE (S)	%.	34	20-150	09/09/24 11:20	

LABORATORY CONTROL SAMPLE & LCSD: 5048578 5048579

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	3.9	3.9	3.9	101	103	50-150	0	30	
4:2 FTS	ng/L	3.8	4.3	4.0	111	106	50-150	6	30	
6:2 FTS	ng/L	3.9	4.7	4.2	120	110	50-150	10	30	
8:2 FTS	ng/L	3.9	4.7	4.3	118	110	50-150	9	30	
9Cl-PF3ONS	ng/L	3.8	4.4	4.4	114	116	50-150	1	30	
ADONA	ng/L	3.9	4.3	4.1	111	106	50-150	6	30	
HFPO-DA	ng/L	4.1	4.5	4.1	109	101	50-150	9	30	
NEtFOSA	ng/L	4.1	<0.47	3.8	0	94	50-150		30	L2
NEtFOSAA	ng/L	4.1	4.5	4.4	108	109	50-150	2	30	
NEtFOSE	ng/L	4.1	5.2	4.1	127	101	50-150	24	30	
NMeFOSA	ng/L	4.1	6.2	3.6	151	88	50-150	54	30	L1,R1
NMeFOSAA	ng/L	4.1	4.4	4.5	106	112	50-150	4	30	
NMeFOSE	ng/L	4.1	5.3	3.6	129	89	50-150	39	30	R1
PFBA	ng/L	4.1	4.6	4.6	113	113	50-150	2	30	
PFBS	ng/L	3.6	4.0	3.9	110	110	50-150	1	30	
PFDA	ng/L	4.1	4.7	4.5	113	110	50-150	4	30	
PFDoA	ng/L	4.1	4.5	4.6	111	114	50-150	1	30	
PFDoS	ng/L	4	3.3	4.1	84	104	50-150	20	30	
PFDS	ng/L	4	4.2	4.5	107	115	50-150	5	30	
PFHpA	ng/L	4.1	4.6	4.4	112	109	50-150	4	30	
PFHpS	ng/L	3.9	4.4	4.2	113	108	50-150	6	30	
PFHxA	ng/L	4.1	4.8	4.7	117	116	50-150	3	30	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

LABORATORY CONTROL SAMPLE & LCSD: 5048578 5048579

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PFHxS	ng/L	3.8	3.9	4.0	105	109	50-150	2	30	
PFNA	ng/L	4.1	4.6	4.4	111	110	50-150	3	30	
PFNS	ng/L	3.9	4.4	4.5	111	116	50-150	3	30	
PFOA	ng/L	4.1	4.9	4.5	119	111	50-150	9	30	
PFOS	ng/L	3.8	4.1	4.0	106	106	50-150	2	30	
PFOSA	ng/L	4.1	4.7	4.4	114	110	50-150	5	30	
PFPeA	ng/L	4.1	4.8	4.6	117	115	50-150	3	30	
PFPeS	ng/L	3.9	4.3	4.1	112	108	50-150	5	30	
PFTeDA	ng/L	4.1	4.5	4.3	109	106	50-150	5	30	
PFTrDA	ng/L	4.1	4.7	4.6	114	115	50-150	1	30	
PFUnA	ng/L	4.1	4.5	4.5	110	111	50-150	1	30	
13C2-PFDoA (S)	%.				89	89	25-150			
13C2-PFTA (S)	%.				82	90	25-150			
13C24:2FTS (S)	%.				66	64	25-150			
13C26:2FTS (S)	%.				95	98	25-150			
13C28:2FTS (S)	%.				77	84	25-150			
13C2PFHxDA (S)	%.				58	75	25-150			
13C3-PFBS (S)	%.				95	96	25-150			
13C3-PFHxS (S)	%.				92	93	25-150			
13C3HFPO-DA (S)	%.				96	99	25-150			
13C4-PFBA (S)	%.				96	95	25-150			
13C4-PFHpA (S)	%.				92	92	25-150			
13C5-PFHxA (S)	%.				91	91	25-150			
13C5-PFPeA (S)	%.				93	93	25-150			
13C6-PFDA (S)	%.				90	91	25-150			
13C7-PFUdA (S)	%.				86	85	25-150			
13C8-PFOA (S)	%.				94	97	25-150			
13C8-PFOS (S)	%.				90	88	25-150			
13C8-PFOSA (S)	%.				46	89	25-150			
13C9-PFNA (S)	%.				97	92	25-150			
d3-MeFOSAA (S)	%.				80	79	25-150			
d3-NMeFOSA (S)	%.				0	55	20-150			S0
d5-EtFOSAA (S)	%.				78	82	25-150			
d5-NEtFOSA (S)	%.				0	60	20-150			S0
d7-NMeFOSE (S)	%.				3	93	20-150			S0
d9-NEtFOSE (S)	%.				3	87	20-150			S0

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
R1	RPD value was outside control limits.
S0	Surrogate recovery outside laboratory control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40282876

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40282876001	**SB-5R**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876002	**MW-37**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876003	**SBGW-1R**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876004	**SB-14R**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876005	**SB-14R DUP**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876006	**SB-1R**	ENV-SOP-MIN4-0178	964742	ENV-SOP-MIN4-0178	965717
40282876007	**SBGW-3R**	ENV-SOP-MIN4-0178	966003	ENV-SOP-MIN4-0178	967259
40282876008	**MW-36**	ENV-SOP-MIN4-0178	966003	ENV-SOP-MIN4-0178	967259
40282876009	**FIELD BLANK**	ENV-SOP-MIN4-0178	966003	ENV-SOP-MIN4-0178	967259
40282876010	**EQUIPMENT BLANK**	ENV-SOP-MIN4-0178	966003	ENV-SOP-MIN4-0178	967259

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

40282876

Scan QR Code for instructions

Company Name:	GEI Consultants, Inc. - WI	Contact/Report To.	Mike Debraske
Street Address:	3159 Voyager Drive, Green Bay, WI 54311	Phone #.	920-455-8655
		E-Mail:	mdebraske@geiconsultants.com
		Cc E-Mail:	
Customer Project #	2102778	Invoice To.	Accounts Payable
Project Name.	Wausau-1300 Cleveland Ave	Invoice E-Mail.	geipayables@geiconsultants.com
Site Collection Info/Facility ID (as applicable).		Purchase Order # (if applicable).	
		Quote #	
Time Zone Collected	[ ] AK [ ] PT [ ] MT [X] CT [ ] ET	County / State origin of sample(s):	Wisconsin

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable. Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

OW PWSID # or WW Permit # as applicable.

Date Results Requested:

Field Filtered (if applicable) [ ] Yes [ ] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3
Identify Container Preservative Type***: 1
Analysis Requested: PFAS-ID WI 33

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Christopher Hyska
AcctNum / Client ID:
Table #:
Profile / Template: 3105
Prelog / Bottle Ord. ID: EZ 3147534

Preservation non-conformance identified for sample

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	Sample Comment
SB-5R	GW	G	08/20/24	10:35			2			001
MW-37				10:50						002
SBGW-1R				11:30						(SBGW-1R) 003
SB-14R				11:35						004
SB-14R DUP				11:40						005
SB-1R				12:40						006
SBGW-3R				12:25						007
MW-36				13:00						008
FIELD BLANK	OT			10:00						Field wash water 009
EQUIPMENT BLANK	OT			10:10						Field wash water 010

Additional Instructions from Pace®

Collected By:
(Printed Name) Eli J. DeBraske
Signature: Eli J. DeBraske

Customer Remarks / Special Conditions / Possible Hazards

# Coolers	Thermometer ID.	Correction Factor (°C)	Obs. Temp (°C)	Corrected Temp. (°C)	On Ice
1	140	-0.0	0.0	0.0	Y

Relinquished by/Company (Signature)	Date/Time	Received by/Company (Signature)	Date/Time
Eli J DeBraske	16:14 8/20	Matt Ramsdell Pace	08/20/2024 16:14

Tracking Number: N/A

Delivered by: [V] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Sample Preservation Receipt Form

Client Name: GEI Consultants, Inc.-WI Project # 40282876

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☑N/A Initial when completed: MNS Date/ Time:

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

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001									2222																								2.5 / 5
002									2222																								2.5 / 5
003									2222																								2.5 / 5
004									2222																								2.5 / 5
005									2222																								2.5 / 5
006									2222																								2.5 / 5
007									2222																								2.5 / 5
008									2222																								2.5 / 5
009									2222																								2.5 / 5
010									2222																								2.5 / 5
011																																	2.5 / 5
012																																	2.5 / 5
013																																	2.5 / 5
014																																	2.5 / 5
015																																	2.5 / 5
016																																	2.5 / 5
017																																	2.5 / 5
018																																	2.5 / 5
019																																	2.5 / 5
020																																	2.5 / 5

MNS 08/20/2024

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40282876

40282876

Client Name: GEI Consultants, Inc.-WI

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

Tracking #: _____

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

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

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

Thermometer Used SR - 140 **Type of Ice:** ☑ Wet ☐ Blue ☐ Dry ☐ None ☐ Meltwater Only

Cooler Temperature UnCorr: 0.0 /Corr: 0.0

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

Person examining contents:
Date: 08/20/2024 /Initials: MJR

Labeled By Initials: GE

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

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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

Page 2 of 2

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

December 13, 2024

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Minneapolis

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

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Madi Seymour, GEI Consultants

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

CERTIFICATIONS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40288120001	**SB-14R**	Water	11/26/24 11:00	11/27/24 09:00
40288120002	**SBGW-1R**	Water	11/26/24 11:05	11/27/24 09:00
40288120003	**SB-5R**	Water	11/26/24 11:30	11/27/24 09:00
40288120004	**SB-1R**	Water	11/26/24 11:35	11/27/24 09:00
40288120005	**SBGW-3R**	Water	11/26/24 11:55	11/27/24 09:00
40288120006	**SBGW-3R DUP**	Water	11/26/24 12:00	11/27/24 09:00
40288120007	**MW-36**	Water	11/26/24 12:20	11/27/24 09:00
40288120008	**MW-37**	Water	11/26/24 12:50	11/27/24 09:00
40288120009	**EQUIPMENT BLANK**	Water	11/26/24 10:30	11/27/24 09:00
40288120010	**FIELD BLANK**	Water	11/26/24 10:25	11/27/24 09:00

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

SAMPLE ANALYTE COUNT

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40288120001	**SB-14R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120002	**SBGW-1R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120003	**SB-5R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120004	**SB-1R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120005	**SBGW-3R**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120006	**SBGW-3R DUP**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120007	**MW-36**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120008	**MW-37**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120009	**EQUIPMENT BLANK**	ENV-SOP-MIN4-0178	MJL	58	PASI-M
40288120010	**FIELD BLANK**	ENV-SOP-MIN4-0178	MJL	58	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40288120001	**SB-14R**					
ENV-SOP-MIN4-0178	NEtFOSE	17.9J	ng/L	56.0	12/11/24 18:20	
ENV-SOP-MIN4-0178	PFBS	8.4J	ng/L	49.5	12/11/24 18:20	
ENV-SOP-MIN4-0178	PFHxS	8.9J	ng/L	50.9	12/11/24 18:20	
ENV-SOP-MIN4-0178	PFOS	40.1J	ng/L	51.8	12/11/24 18:20	
ENV-SOP-MIN4-0178	PFOA	21.0J	ng/L	56.0	12/11/24 18:20	
40288120002	**SBGW-1R**					
ENV-SOP-MIN4-0178	PFOS	45.3J	ng/L	106	12/11/24 18:28	
40288120003	**SB-5R**					
ENV-SOP-MIN4-0178	PFBS	2.4	ng/L	1.8	12/11/24 18:35	
ENV-SOP-MIN4-0178	PFHxA	1.5J	ng/L	2.0	12/11/24 18:35	
ENV-SOP-MIN4-0178	PFPeS	1.0J	ng/L	1.9	12/11/24 18:35	
ENV-SOP-MIN4-0178	PFHpA	1.8J	ng/L	2.0	12/11/24 18:35	
ENV-SOP-MIN4-0178	PFHxS	2.6	ng/L	1.8	12/11/24 18:35	
ENV-SOP-MIN4-0178	PFOS	3.2	ng/L	1.9	12/11/24 18:35	B
ENV-SOP-MIN4-0178	PFOA	9.0	ng/L	2.0	12/11/24 18:35	
40288120004	**SB-1R**					
ENV-SOP-MIN4-0178	NEtFOSE	31.0J	ng/L	99.5	12/11/24 18:42	
ENV-SOP-MIN4-0178	PFOS	48.6J	ng/L	92.0	12/11/24 18:42	
40288120005	**SBGW-3R**					
ENV-SOP-MIN4-0178	PFBS	16.8J	ng/L	106	12/11/24 18:49	
ENV-SOP-MIN4-0178	PFOS	61.9J	ng/L	111	12/11/24 18:49	
ENV-SOP-MIN4-0178	PFOA	27.6J	ng/L	120	12/11/24 18:49	
40288120006	**SBGW-3R DUP**					
ENV-SOP-MIN4-0178	PFBS	17.7J	ng/L	115	12/11/24 18:56	
ENV-SOP-MIN4-0178	PFHxS	15.4J	ng/L	118	12/11/24 18:56	
ENV-SOP-MIN4-0178	PFOS	75.2J	ng/L	120	12/11/24 18:56	
ENV-SOP-MIN4-0178	PFOA	41.7J	ng/L	129	12/11/24 18:56	
40288120007	**MW-36**					
ENV-SOP-MIN4-0178	NEtFOSE	41.8J	ng/L	135	12/11/24 19:03	
ENV-SOP-MIN4-0178	NMeFOSE	62.6J	ng/L	135	12/11/24 19:03	
ENV-SOP-MIN4-0178	PFOS	92.0J	ng/L	125	12/11/24 19:03	
ENV-SOP-MIN4-0178	PFOA	31.6J	ng/L	135	12/11/24 19:03	
40288120008	**MW-37**					
ENV-SOP-MIN4-0178	NEtFOSE	34.7J	ng/L	102	12/11/24 19:25	
ENV-SOP-MIN4-0178	PFBS	22.9J	ng/L	90.2	12/11/24 19:25	
ENV-SOP-MIN4-0178	PFOS	52.1J	ng/L	94.3	12/11/24 19:25	
ENV-SOP-MIN4-0178	PFOA	23.9J	ng/L	102	12/11/24 19:25	
40288120009	**EQUIPMENT BLANK**					
ENV-SOP-MIN4-0178	PFOS	0.74J	ng/L	1.8	12/11/24 18:13	B
40288120010	**FIELD BLANK**					
ENV-SOP-MIN4-0178	NEtFOSE	0.74J	ng/L	2.3	12/11/24 18:06	
ENV-SOP-MIN4-0178	NMeFOSE	1.1J	ng/L	2.3	12/11/24 18:06	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40288120010	**FIELD BLANK**					
ENV-SOP-MIN4-0178	PFOS	0.92J	ng/L	2.2	12/11/24 18:06	B

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-14R **Lab ID: 40288120001** Collected: 11/26/24 11:00 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<11.4**	ng/L	52.6	11.4	1	12/11/24 06:42	12/11/24 18:20	763051-92-9	
4:2 FTS	**<10.2**	ng/L	52.3	10.2	1	12/11/24 06:42	12/11/24 18:20	757124-72-4	
6:2 FTS	**<16.0**	ng/L	53.2	16.0	1	12/11/24 06:42	12/11/24 18:20	27619-97-2	
8:2 FTS	**<22.1**	ng/L	54.0	22.1	1	12/11/24 06:42	12/11/24 18:20	39108-34-4	
9Cl-PF3ONS	**<9.9**	ng/L	52.0	9.9	1	12/11/24 06:42	12/11/24 18:20	756426-58-1	
ADONA	**<9.0**	ng/L	52.9	9.0	1	12/11/24 06:42	12/11/24 18:20	919005-14-4	
HFPO-DA	**<7.1**	ng/L	56.0	7.1	1	12/11/24 06:42	12/11/24 18:20	13252-13-6	
NEtFOSAA	**<15.9**	ng/L	56.0	15.9	1	12/11/24 06:42	12/11/24 18:20	2991-50-6	
NEtFOSA	**<12.7**	ng/L	56.0	12.7	1	12/11/24 06:42	12/11/24 18:20	4151-50-2	
NEtFOSE	**17.9J**	ng/L	56.0	16.8	1	12/11/24 06:42	12/11/24 18:20	1691-99-2	
NMeFOSAA	**<21.8**	ng/L	56.0	21.8	1	12/11/24 06:42	12/11/24 18:20	2355-31-9	
NMeFOSA	**<17.5**	ng/L	56.0	17.5	1	12/11/24 06:42	12/11/24 18:20	31506-32-8	
NMeFOSE	**<13.5**	ng/L	56.0	13.5	1	12/11/24 06:42	12/11/24 18:20	24448-09-7	
PFBS	**8.4J**	ng/L	49.5	5.7	1	12/11/24 06:42	12/11/24 18:20	375-73-5	
PFDA	**<7.0**	ng/L	56.0	7.0	1	12/11/24 06:42	12/11/24 18:20	335-76-2	
PFHxA	**<10.6**	ng/L	56.0	10.6	1	12/11/24 06:42	12/11/24 18:20	307-24-4	
PFBA	**<7.8**	ng/L	56.0	7.8	1	12/11/24 06:42	12/11/24 18:20	375-22-4	
PFDS	**<15.9**	ng/L	54.0	15.9	1	12/11/24 06:42	12/11/24 18:20	335-77-3	
PFDoS	**<14.9**	ng/L	54.3	14.9	1	12/11/24 06:42	12/11/24 18:20	79780-39-5	
PFHpS	**<17.6**	ng/L	53.2	17.6	1	12/11/24 06:42	12/11/24 18:20	375-92-8	
PFNS	**<13.3**	ng/L	53.7	13.3	1	12/11/24 06:42	12/11/24 18:20	68259-12-1	
PFOSA	**<11.1**	ng/L	56.0	11.1	1	12/11/24 06:42	12/11/24 18:20	754-91-6	
PFPeA	**<5.1**	ng/L	56.0	5.1	1	12/11/24 06:42	12/11/24 18:20	2706-90-3	
PFPeS	**<7.2**	ng/L	52.6	7.2	1	12/11/24 06:42	12/11/24 18:20	2706-91-4	
PFDoA	**<12.1**	ng/L	56.0	12.1	1	12/11/24 06:42	12/11/24 18:20	307-55-1	
PFHpA	**<6.6**	ng/L	56.0	6.6	1	12/11/24 06:42	12/11/24 18:20	375-85-9	
PFHxS	**8.9J**	ng/L	50.9	6.5	1	12/11/24 06:42	12/11/24 18:20	355-46-4	
PFNA	**<5.8**	ng/L	56.0	5.8	1	12/11/24 06:42	12/11/24 18:20	375-95-1	
PFOS	**40.1J**	ng/L	51.8	14.3	1	12/11/24 06:42	12/11/24 18:20	1763-23-1	
PFOA	**21.0J**	ng/L	56.0	7.5	1	12/11/24 06:42	12/11/24 18:20	335-67-1	
PFTeDA	**<10.1**	ng/L	56.0	10.1	1	12/11/24 06:42	12/11/24 18:20	376-06-7	
PFTrDA	**<7.9**	ng/L	56.0	7.9	1	12/11/24 06:42	12/11/24 18:20	72629-94-8	
PFUnA	**<17.9**	ng/L	56.0	17.9	1	12/11/24 06:42	12/11/24 18:20	2058-94-8	
Surrogates									
13C4-PFBA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C5-PFPeA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C3-PFBS (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C24:2FTS (S)	51	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C3HFPO-DA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C4-PFHpA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C3-PFHxS (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C26:2FTS (S)	70	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C8-PFOA (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C8-PFOS (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C9-PFNA (S)	97	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-14R **Lab ID: 40288120001** Collected: 11/26/24 11:00 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C28:2FTS (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
d3-MeFOSAA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C7-PFUdA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C8-PFOSA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
d5-EtFOSAA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C2-PFDoA (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
d3-NMeFOSA (S)	48	%.	10-150		1	12/11/24 06:42	12/11/24 18:20		
d7-NMeFOSE (S)	68	%.	10-150		1	12/11/24 06:42	12/11/24 18:20		
13C2-PFTA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
d9-NEtFOSE (S)	68	%.	10-150		1	12/11/24 06:42	12/11/24 18:20		
d5-NEtFOSA (S)	48	%.	10-150		1	12/11/24 06:42	12/11/24 18:20		
13C2PFHxDA (S)	75	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		
13C5-PFHxA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:20		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-1R **Lab ID: 40288120002** Collected: 11/26/24 11:05 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<23.3**	ng/L	108	23.3	1	12/11/24 06:42	12/11/24 18:28	763051-92-9	
4:2 FTS	**<20.8**	ng/L	107	20.8	1	12/11/24 06:42	12/11/24 18:28	757124-72-4	
6:2 FTS	**<32.8**	ng/L	109	32.8	1	12/11/24 06:42	12/11/24 18:28	27619-97-2	
8:2 FTS	**<45.3**	ng/L	111	45.3	1	12/11/24 06:42	12/11/24 18:28	39108-34-4	
9Cl-PF3ONS	**<20.3**	ng/L	107	20.3	1	12/11/24 06:42	12/11/24 18:28	756426-58-1	
ADONA	**<18.4**	ng/L	108	18.4	1	12/11/24 06:42	12/11/24 18:28	919005-14-4	
HFPO-DA	**<14.5**	ng/L	115	14.5	1	12/11/24 06:42	12/11/24 18:28	13252-13-6	
NEtFOSAA	**<32.6**	ng/L	115	32.6	1	12/11/24 06:42	12/11/24 18:28	2991-50-6	
NEtFOSA	**<26.1**	ng/L	115	26.1	1	12/11/24 06:42	12/11/24 18:28	4151-50-2	
NEtFOSE	**<34.4**	ng/L	115	34.4	1	12/11/24 06:42	12/11/24 18:28	1691-99-2	
NMeFOSAA	**<44.7**	ng/L	115	44.7	1	12/11/24 06:42	12/11/24 18:28	2355-31-9	
NMeFOSA	**<35.9**	ng/L	115	35.9	1	12/11/24 06:42	12/11/24 18:28	31506-32-8	
NMeFOSE	**<27.6**	ng/L	115	27.6	1	12/11/24 06:42	12/11/24 18:28	24448-09-7	
PFBS	**<11.6**	ng/L	102	11.6	1	12/11/24 06:42	12/11/24 18:28	375-73-5	
PFDA	**<14.3**	ng/L	115	14.3	1	12/11/24 06:42	12/11/24 18:28	335-76-2	
PFHxA	**<21.7**	ng/L	115	21.7	1	12/11/24 06:42	12/11/24 18:28	307-24-4	
PFBA	**<16.1**	ng/L	115	16.1	1	12/11/24 06:42	12/11/24 18:28	375-22-4	
PFDS	**<32.6**	ng/L	111	32.6	1	12/11/24 06:42	12/11/24 18:28	335-77-3	
PFDoS	**<30.6**	ng/L	111	30.6	1	12/11/24 06:42	12/11/24 18:28	79780-39-5	
PFHpS	**<36.1**	ng/L	109	36.1	1	12/11/24 06:42	12/11/24 18:28	375-92-8	
PFNS	**<27.2**	ng/L	110	27.2	1	12/11/24 06:42	12/11/24 18:28	68259-12-1	
PFOSA	**<22.8**	ng/L	115	22.8	1	12/11/24 06:42	12/11/24 18:28	754-91-6	
PFPeA	**<10.5**	ng/L	115	10.5	1	12/11/24 06:42	12/11/24 18:28	2706-90-3	
PFPeS	**<14.7**	ng/L	108	14.7	1	12/11/24 06:42	12/11/24 18:28	2706-91-4	
PFDoA	**<24.8**	ng/L	115	24.8	1	12/11/24 06:42	12/11/24 18:28	307-55-1	
PFHpA	**<13.5**	ng/L	115	13.5	1	12/11/24 06:42	12/11/24 18:28	375-85-9	
PFHxS	**<13.4**	ng/L	104	13.4	1	12/11/24 06:42	12/11/24 18:28	355-46-4	
PFNA	**<12.0**	ng/L	115	12.0	1	12/11/24 06:42	12/11/24 18:28	375-95-1	
PFOS	**45.3J**	ng/L	106	29.3	1	12/11/24 06:42	12/11/24 18:28	1763-23-1	
PFOA	**<15.3**	ng/L	115	15.3	1	12/11/24 06:42	12/11/24 18:28	335-67-1	
PFTeDA	**<20.7**	ng/L	115	20.7	1	12/11/24 06:42	12/11/24 18:28	376-06-7	
PFTrDA	**<16.2**	ng/L	115	16.2	1	12/11/24 06:42	12/11/24 18:28	72629-94-8	
PFUnA	**<36.7**	ng/L	115	36.7	1	12/11/24 06:42	12/11/24 18:28	2058-94-8	
Surrogates									
13C4-PFBA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C5-PFPeA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C3-PFBS (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C24:2FTS (S)	45	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C3HFPO-DA (S)	78	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C4-PFHpA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C3-PFHxS (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C26:2FTS (S)	62	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C8-PFOA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C8-PFOS (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C9-PFNA (S)	94	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-1R **Lab ID: 40288120002** Collected: 11/26/24 11:05 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C28:2FTS (S)	70	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
d3-MeFOSAA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C7-PFUdA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C8-PFOSA (S)	75	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
d5-EtFOSAA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C2-PFDoA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
d3-NMeFOSA (S)	51	%.	10-150		1	12/11/24 06:42	12/11/24 18:28		
d7-NMeFOSE (S)	66	%.	10-150		1	12/11/24 06:42	12/11/24 18:28		
13C2-PFTA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
d9-NEtFOSE (S)	62	%.	10-150		1	12/11/24 06:42	12/11/24 18:28		
d5-NEtFOSA (S)	51	%.	10-150		1	12/11/24 06:42	12/11/24 18:28		
13C2PFHxDA (S)	74	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		
13C5-PFHxA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:28		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-5R **Lab ID: 40288120003** Collected: 11/26/24 11:30 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.41**	ng/L	1.9	0.41	1	12/11/24 06:42	12/11/24 18:35	763051-92-9	
4:2 FTS	**<0.37**	ng/L	1.9	0.37	1	12/11/24 06:42	12/11/24 18:35	757124-72-4	
6:2 FTS	**<0.58**	ng/L	1.9	0.58	1	12/11/24 06:42	12/11/24 18:35	27619-97-2	
8:2 FTS	**<0.80**	ng/L	1.9	0.80	1	12/11/24 06:42	12/11/24 18:35	39108-34-4	
9Cl-PF3ONS	**<0.36**	ng/L	1.9	0.36	1	12/11/24 06:42	12/11/24 18:35	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	12/11/24 06:42	12/11/24 18:35	919005-14-4	
HFPO-DA	**<0.25**	ng/L	2.0	0.25	1	12/11/24 06:42	12/11/24 18:35	13252-13-6	
NEtFOSAA	**<0.57**	ng/L	2.0	0.57	1	12/11/24 06:42	12/11/24 18:35	2991-50-6	
NEtFOSA	**<0.46**	ng/L	2.0	0.46	1	12/11/24 06:42	12/11/24 18:35	4151-50-2	
NEtFOSE	**<0.61**	ng/L	2.0	0.61	1	12/11/24 06:42	12/11/24 18:35	1691-99-2	
NMeFOSAA	**<0.79**	ng/L	2.0	0.79	1	12/11/24 06:42	12/11/24 18:35	2355-31-9	
NMeFOSA	**<0.63**	ng/L	2.0	0.63	1	12/11/24 06:42	12/11/24 18:35	31506-32-8	
NMeFOSE	**<0.49**	ng/L	2.0	0.49	1	12/11/24 06:42	12/11/24 18:35	24448-09-7	
PFBS	**2.4**	ng/L	1.8	0.21	1	12/11/24 06:42	12/11/24 18:35	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	12/11/24 06:42	12/11/24 18:35	335-76-2	
PFHxA	**1.5J**	ng/L	2.0	0.38	1	12/11/24 06:42	12/11/24 18:35	307-24-4	
PFBA	**<0.28**	ng/L	2.0	0.28	1	12/11/24 06:42	12/11/24 18:35	375-22-4	
PFDS	**<0.57**	ng/L	1.9	0.57	1	12/11/24 06:42	12/11/24 18:35	335-77-3	
PFDoS	**<0.54**	ng/L	2.0	0.54	1	12/11/24 06:42	12/11/24 18:35	79780-39-5	
PFHpS	**<0.64**	ng/L	1.9	0.64	1	12/11/24 06:42	12/11/24 18:35	375-92-8	
PFNS	**<0.48**	ng/L	1.9	0.48	1	12/11/24 06:42	12/11/24 18:35	68259-12-1	
PFOSA	**<0.40**	ng/L	2.0	0.40	1	12/11/24 06:42	12/11/24 18:35	754-91-6	
PFPeA	**<0.18**	ng/L	2.0	0.18	1	12/11/24 06:42	12/11/24 18:35	2706-90-3	
PFPeS	**1.0J**	ng/L	1.9	0.26	1	12/11/24 06:42	12/11/24 18:35	2706-91-4	
PFDoA	**<0.44**	ng/L	2.0	0.44	1	12/11/24 06:42	12/11/24 18:35	307-55-1	
PFHpA	**1.8J**	ng/L	2.0	0.24	1	12/11/24 06:42	12/11/24 18:35	375-85-9	
PFHxS	**2.6**	ng/L	1.8	0.24	1	12/11/24 06:42	12/11/24 18:35	355-46-4	
PFNA	**<0.21**	ng/L	2.0	0.21	1	12/11/24 06:42	12/11/24 18:35	375-95-1	
PFOS	**3.2**	ng/L	1.9	0.52	1	12/11/24 06:42	12/11/24 18:35	1763-23-1	B
PFOA	**9.0**	ng/L	2.0	0.27	1	12/11/24 06:42	12/11/24 18:35	335-67-1	
PFTeDA	**<0.36**	ng/L	2.0	0.36	1	12/11/24 06:42	12/11/24 18:35	376-06-7	
PFTrDA	**<0.28**	ng/L	2.0	0.28	1	12/11/24 06:42	12/11/24 18:35	72629-94-8	
PFUnA	**<0.65**	ng/L	2.0	0.65	1	12/11/24 06:42	12/11/24 18:35	2058-94-8	
Surrogates									
13C4-PFBA (S)	19	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		S0
13C5-PFPeA (S)	48	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C3-PFBS (S)	62	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C24:2FTS (S)	192	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		S0
13C3HFPO-DA (S)	51	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C4-PFHpA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C3-PFHxS (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C26:2FTS (S)	252	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		S0
13C8-PFOA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C8-PFOS (S)	92	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C9-PFNA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-5R **Lab ID: 40288120003** Collected: 11/26/24 11:30 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	104	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C28:2FTS (S)	206	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		S0
d3-MeFOSAA (S)	104	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C7-PFUdA (S)	101	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C8-PFOSA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
d5-EtFOSAA (S)	103	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C2-PFDoA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
d3-NMeFOSA (S)	23	%.	10-150		1	12/11/24 06:42	12/11/24 18:35		
d7-NMeFOSE (S)	46	%.	10-150		1	12/11/24 06:42	12/11/24 18:35		
13C2-PFTA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
d9-NEtFOSE (S)	45	%.	10-150		1	12/11/24 06:42	12/11/24 18:35		
d5-NEtFOSA (S)	19	%.	10-150		1	12/11/24 06:42	12/11/24 18:35		
13C2PFHxDA (S)	69	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		
13C5-PFHxA (S)	67	%.	25-150		1	12/11/24 06:42	12/11/24 18:35		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-1R **Lab ID: 40288120004** Collected: 11/26/24 11:35 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<20.2**	ng/L	93.5	20.2	1	12/11/24 06:42	12/11/24 18:42	763051-92-9	
4:2 FTS	**<18.1**	ng/L	93.0	18.1	1	12/11/24 06:42	12/11/24 18:42	757124-72-4	
6:2 FTS	**<28.4**	ng/L	94.5	28.4	1	12/11/24 06:42	12/11/24 18:42	27619-97-2	
8:2 FTS	**<39.2**	ng/L	96.0	39.2	1	12/11/24 06:42	12/11/24 18:42	39108-34-4	
9Cl-PF3ONS	**<17.6**	ng/L	92.5	17.6	1	12/11/24 06:42	12/11/24 18:42	756426-58-1	
ADONA	**<15.9**	ng/L	94.0	15.9	1	12/11/24 06:42	12/11/24 18:42	919005-14-4	
HFPO-DA	**<12.5**	ng/L	99.5	12.5	1	12/11/24 06:42	12/11/24 18:42	13252-13-6	
NEtFOSAA	**<28.2**	ng/L	99.5	28.2	1	12/11/24 06:42	12/11/24 18:42	2991-50-6	
NEtFOSA	**<22.6**	ng/L	99.5	22.6	1	12/11/24 06:42	12/11/24 18:42	4151-50-2	
NEtFOSE	**31.0J**	ng/L	99.5	29.8	1	12/11/24 06:42	12/11/24 18:42	1691-99-2	
NMeFOSAA	**<38.8**	ng/L	99.5	38.8	1	12/11/24 06:42	12/11/24 18:42	2355-31-9	
NMeFOSA	**<31.1**	ng/L	99.5	31.1	1	12/11/24 06:42	12/11/24 18:42	31506-32-8	
NMeFOSE	**<23.9**	ng/L	99.5	23.9	1	12/11/24 06:42	12/11/24 18:42	24448-09-7	
PFBS	**<10.1**	ng/L	88.0	10.1	1	12/11/24 06:42	12/11/24 18:42	375-73-5	
PFDA	**<12.4**	ng/L	99.5	12.4	1	12/11/24 06:42	12/11/24 18:42	335-76-2	
PFHxA	**<18.8**	ng/L	99.5	18.8	1	12/11/24 06:42	12/11/24 18:42	307-24-4	
PFBA	**<13.9**	ng/L	99.5	13.9	1	12/11/24 06:42	12/11/24 18:42	375-22-4	
PFDS	**<28.2**	ng/L	96.0	28.2	1	12/11/24 06:42	12/11/24 18:42	335-77-3	
PFDoS	**<26.5**	ng/L	96.5	26.5	1	12/11/24 06:42	12/11/24 18:42	79780-39-5	
PFHpS	**<31.3**	ng/L	94.5	31.3	1	12/11/24 06:42	12/11/24 18:42	375-92-8	
PFNS	**<23.6**	ng/L	95.5	23.6	1	12/11/24 06:42	12/11/24 18:42	68259-12-1	
PFOSA	**<19.8**	ng/L	99.5	19.8	1	12/11/24 06:42	12/11/24 18:42	754-91-6	
PFPeA	**<9.1**	ng/L	99.5	9.1	1	12/11/24 06:42	12/11/24 18:42	2706-90-3	
PFPeS	**<12.7**	ng/L	93.5	12.7	1	12/11/24 06:42	12/11/24 18:42	2706-91-4	
PFDoA	**<21.5**	ng/L	99.5	21.5	1	12/11/24 06:42	12/11/24 18:42	307-55-1	
PFHpA	**<11.7**	ng/L	99.5	11.7	1	12/11/24 06:42	12/11/24 18:42	375-85-9	
PFHxS	**<11.6**	ng/L	90.5	11.6	1	12/11/24 06:42	12/11/24 18:42	355-46-4	
PFNA	**<10.4**	ng/L	99.5	10.4	1	12/11/24 06:42	12/11/24 18:42	375-95-1	
PFOS	**48.6J**	ng/L	92.0	25.4	1	12/11/24 06:42	12/11/24 18:42	1763-23-1	
PFOA	**<13.3**	ng/L	99.5	13.3	1	12/11/24 06:42	12/11/24 18:42	335-67-1	
PFTeDA	**<18.0**	ng/L	99.5	18.0	1	12/11/24 06:42	12/11/24 18:42	376-06-7	
PFTrDA	**<14.0**	ng/L	99.5	14.0	1	12/11/24 06:42	12/11/24 18:42	72629-94-8	
PFUnA	**<31.8**	ng/L	99.5	31.8	1	12/11/24 06:42	12/11/24 18:42	2058-94-8	
Surrogates									
13C4-PFBA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C5-PFPeA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C3-PFBS (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C24:2FTS (S)	46	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C3HFPO-DA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C4-PFHpA (S)	96	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C3-PFHxS (S)	96	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C26:2FTS (S)	67	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C8-PFOA (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C8-PFOS (S)	106	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C9-PFNA (S)	102	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SB-1R **Lab ID: 40288120004** Collected: 11/26/24 11:35 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	106	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C28:2FTS (S)	71	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
d3-MeFOSAA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C7-PFUdA (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C8-PFOSA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
d5-EtFOSAA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C2-PFDoA (S)	97	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
d3-NMeFOSA (S)	40	%.	10-150		1	12/11/24 06:42	12/11/24 18:42		
d7-NMeFOSE (S)	65	%.	10-150		1	12/11/24 06:42	12/11/24 18:42		
13C2-PFTA (S)	92	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
d9-NEtFOSE (S)	70	%.	10-150		1	12/11/24 06:42	12/11/24 18:42		
d5-NEtFOSA (S)	39	%.	10-150		1	12/11/24 06:42	12/11/24 18:42		
13C2PFHxDA (S)	69	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		
13C5-PFHxA (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 18:42		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-3R **Lab ID: 40288120005** Collected: 11/26/24 11:55 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<24.4**	ng/L	113	24.4	1	12/11/24 06:42	12/11/24 18:49	763051-92-9	
4:2 FTS	**<21.8**	ng/L	112	21.8	1	12/11/24 06:42	12/11/24 18:49	757124-72-4	
6:2 FTS	**<34.3**	ng/L	114	34.3	1	12/11/24 06:42	12/11/24 18:49	27619-97-2	
8:2 FTS	**<47.4**	ng/L	116	47.4	1	12/11/24 06:42	12/11/24 18:49	39108-34-4	
9Cl-PF3ONS	**<21.2**	ng/L	112	21.2	1	12/11/24 06:42	12/11/24 18:49	756426-58-1	
ADONA	**<19.2**	ng/L	114	19.2	1	12/11/24 06:42	12/11/24 18:49	919005-14-4	
HFPO-DA	**<15.1**	ng/L	120	15.1	1	12/11/24 06:42	12/11/24 18:49	13252-13-6	
NEtFOSAA	**<34.1**	ng/L	120	34.1	1	12/11/24 06:42	12/11/24 18:49	2991-50-6	
NEtFOSA	**<27.3**	ng/L	120	27.3	1	12/11/24 06:42	12/11/24 18:49	4151-50-2	
NEtFOSE	**<36.1**	ng/L	120	36.1	1	12/11/24 06:42	12/11/24 18:49	1691-99-2	
NMeFOSAA	**<46.9**	ng/L	120	46.9	1	12/11/24 06:42	12/11/24 18:49	2355-31-9	
NMeFOSA	**<37.6**	ng/L	120	37.6	1	12/11/24 06:42	12/11/24 18:49	31506-32-8	
NMeFOSE	**<28.9**	ng/L	120	28.9	1	12/11/24 06:42	12/11/24 18:49	24448-09-7	
PFBS	**16.8J**	ng/L	106	12.2	1	12/11/24 06:42	12/11/24 18:49	375-73-5	
PFDA	**<15.0**	ng/L	120	15.0	1	12/11/24 06:42	12/11/24 18:49	335-76-2	
PFHxA	**<22.7**	ng/L	120	22.7	1	12/11/24 06:42	12/11/24 18:49	307-24-4	
PFBA	**<16.8**	ng/L	120	16.8	1	12/11/24 06:42	12/11/24 18:49	375-22-4	
PFDS	**<34.1**	ng/L	116	34.1	1	12/11/24 06:42	12/11/24 18:49	335-77-3	
PFDoS	**<32.0**	ng/L	117	32.0	1	12/11/24 06:42	12/11/24 18:49	79780-39-5	
PFHpS	**<37.9**	ng/L	114	37.9	1	12/11/24 06:42	12/11/24 18:49	375-92-8	
PFNS	**<28.5**	ng/L	115	28.5	1	12/11/24 06:42	12/11/24 18:49	68259-12-1	
PFOSA	**<23.9**	ng/L	120	23.9	1	12/11/24 06:42	12/11/24 18:49	754-91-6	
PFPeA	**<11.0**	ng/L	120	11.0	1	12/11/24 06:42	12/11/24 18:49	2706-90-3	
PFPeS	**<15.4**	ng/L	113	15.4	1	12/11/24 06:42	12/11/24 18:49	2706-91-4	
PFDoA	**<26.0**	ng/L	120	26.0	1	12/11/24 06:42	12/11/24 18:49	307-55-1	
PFHpA	**<14.1**	ng/L	120	14.1	1	12/11/24 06:42	12/11/24 18:49	375-85-9	
PFHxS	**<14.1**	ng/L	109	14.1	1	12/11/24 06:42	12/11/24 18:49	355-46-4	
PFNA	**<12.6**	ng/L	120	12.6	1	12/11/24 06:42	12/11/24 18:49	375-95-1	
PFOS	**61.9J**	ng/L	111	30.6	1	12/11/24 06:42	12/11/24 18:49	1763-23-1	
PFOA	**27.6J**	ng/L	120	16.0	1	12/11/24 06:42	12/11/24 18:49	335-67-1	
PFTeDA	**<21.7**	ng/L	120	21.7	1	12/11/24 06:42	12/11/24 18:49	376-06-7	
PFTrDA	**<16.9**	ng/L	120	16.9	1	12/11/24 06:42	12/11/24 18:49	72629-94-8	
PFUnA	**<38.4**	ng/L	120	38.4	1	12/11/24 06:42	12/11/24 18:49	2058-94-8	
Surrogates									
13C4-PFBA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C5-PFPeA (S)	78	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C3-PFBS (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C24:2FTS (S)	41	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C3HFPO-DA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C4-PFHpA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C3-PFHxS (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C26:2FTS (S)	69	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C8-PFOA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C8-PFOS (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C9-PFNA (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-3R **Lab ID: 40288120005** Collected: 11/26/24 11:55 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C28:2FTS (S)	73	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
d3-MeFOSAA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C7-PFUdA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C8-PFOSA (S)	75	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
d5-EtFOSAA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C2-PFDoA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
d3-NMeFOSA (S)	44	%.	10-150		1	12/11/24 06:42	12/11/24 18:49		
d7-NMeFOSE (S)	60	%.	10-150		1	12/11/24 06:42	12/11/24 18:49		
13C2-PFTA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
d9-NEtFOSE (S)	64	%.	10-150		1	12/11/24 06:42	12/11/24 18:49		
d5-NEtFOSA (S)	45	%.	10-150		1	12/11/24 06:42	12/11/24 18:49		
13C2PFHxDA (S)	71	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		
13C5-PFHxA (S)	78	%.	25-150		1	12/11/24 06:42	12/11/24 18:49		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-3R DUP **Lab ID: 40288120006** Collected: 11/26/24 12:00 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<26.3**	ng/L	122	26.3	1	12/11/24 06:42	12/11/24 18:56	763051-92-9	
4:2 FTS	**<23.5**	ng/L	121	23.5	1	12/11/24 06:42	12/11/24 18:56	757124-72-4	
6:2 FTS	**<37.0**	ng/L	123	37.0	1	12/11/24 06:42	12/11/24 18:56	27619-97-2	
8:2 FTS	**<51.1**	ng/L	125	51.1	1	12/11/24 06:42	12/11/24 18:56	39108-34-4	
9Cl-PF3ONS	**<22.8**	ng/L	120	22.8	1	12/11/24 06:42	12/11/24 18:56	756426-58-1	
ADONA	**<20.7**	ng/L	122	20.7	1	12/11/24 06:42	12/11/24 18:56	919005-14-4	
HFPO-DA	**<16.3**	ng/L	129	16.3	1	12/11/24 06:42	12/11/24 18:56	13252-13-6	
NEtFOSAA	**<36.8**	ng/L	129	36.8	1	12/11/24 06:42	12/11/24 18:56	2991-50-6	
NEtFOSA	**<29.4**	ng/L	129	29.4	1	12/11/24 06:42	12/11/24 18:56	4151-50-2	
NEtFOSE	**<38.8**	ng/L	129	38.8	1	12/11/24 06:42	12/11/24 18:56	1691-99-2	
NMeFOSAA	**<50.5**	ng/L	129	50.5	1	12/11/24 06:42	12/11/24 18:56	2355-31-9	
NMeFOSA	**<40.4**	ng/L	129	40.4	1	12/11/24 06:42	12/11/24 18:56	31506-32-8	
NMeFOSE	**<31.1**	ng/L	129	31.1	1	12/11/24 06:42	12/11/24 18:56	24448-09-7	
PFBS	**17.7J**	ng/L	115	13.1	1	12/11/24 06:42	12/11/24 18:56	375-73-5	
PFDA	**<16.2**	ng/L	129	16.2	1	12/11/24 06:42	12/11/24 18:56	335-76-2	
PFHxA	**<24.5**	ng/L	129	24.5	1	12/11/24 06:42	12/11/24 18:56	307-24-4	
PFBA	**<18.1**	ng/L	129	18.1	1	12/11/24 06:42	12/11/24 18:56	375-22-4	
PFDS	**<36.8**	ng/L	125	36.8	1	12/11/24 06:42	12/11/24 18:56	335-77-3	
PFDoS	**<34.5**	ng/L	126	34.5	1	12/11/24 06:42	12/11/24 18:56	79780-39-5	
PFHpS	**<40.8**	ng/L	123	40.8	1	12/11/24 06:42	12/11/24 18:56	375-92-8	
PFNS	**<30.7**	ng/L	124	30.7	1	12/11/24 06:42	12/11/24 18:56	68259-12-1	
PFOSA	**<25.8**	ng/L	129	25.8	1	12/11/24 06:42	12/11/24 18:56	754-91-6	
PFPeA	**<11.8**	ng/L	129	11.8	1	12/11/24 06:42	12/11/24 18:56	2706-90-3	
PFPeS	**<16.6**	ng/L	122	16.6	1	12/11/24 06:42	12/11/24 18:56	2706-91-4	
PFDoA	**<28.0**	ng/L	129	28.0	1	12/11/24 06:42	12/11/24 18:56	307-55-1	
PFHpA	**<15.2**	ng/L	129	15.2	1	12/11/24 06:42	12/11/24 18:56	375-85-9	
PFHxS	**15.4J**	ng/L	118	15.1	1	12/11/24 06:42	12/11/24 18:56	355-46-4	
PFNA	**<13.5**	ng/L	129	13.5	1	12/11/24 06:42	12/11/24 18:56	375-95-1	
PFOS	**75.2J**	ng/L	120	33.0	1	12/11/24 06:42	12/11/24 18:56	1763-23-1	
PFOA	**41.7J**	ng/L	129	17.3	1	12/11/24 06:42	12/11/24 18:56	335-67-1	
PFTeDA	**<23.4**	ng/L	129	23.4	1	12/11/24 06:42	12/11/24 18:56	376-06-7	
PFTrDA	**<18.3**	ng/L	129	18.3	1	12/11/24 06:42	12/11/24 18:56	72629-94-8	
PFUnA	**<41.4**	ng/L	129	41.4	1	12/11/24 06:42	12/11/24 18:56	2058-94-8	
Surrogates									
13C4-PFBA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C5-PFPeA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C3-PFBS (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C24:2FTS (S)	46	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C3HFPO-DA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C4-PFHpA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C3-PFHxS (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C26:2FTS (S)	74	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C8-PFOA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C8-PFOS (S)	94	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C9-PFNA (S)	92	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: SBGW-3R DUP **Lab ID: 40288120006** Collected: 11/26/24 12:00 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	97	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C28:2FTS (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
d3-MeFOSAA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C7-PFUdA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C8-PFOSA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
d5-EtFOSAA (S)	77	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C2-PFDoA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
d3-NMeFOSA (S)	40	%.	10-150		1	12/11/24 06:42	12/11/24 18:56		
d7-NMeFOSE (S)	67	%.	10-150		1	12/11/24 06:42	12/11/24 18:56		
13C2-PFTA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
d9-NEtFOSE (S)	69	%.	10-150		1	12/11/24 06:42	12/11/24 18:56		
d5-NEtFOSA (S)	45	%.	10-150		1	12/11/24 06:42	12/11/24 18:56		
13C2PFHxDA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		
13C5-PFHxA (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:56		

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ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: MW-36 **Lab ID: 40288120007** Collected: 11/26/24 12:20 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<27.5**	ng/L	127	27.5	1	12/11/24 06:42	12/11/24 19:03	763051-92-9	
4:2 FTS	**<24.6**	ng/L	127	24.6	1	12/11/24 06:42	12/11/24 19:03	757124-72-4	
6:2 FTS	**<38.6**	ng/L	129	38.6	1	12/11/24 06:42	12/11/24 19:03	27619-97-2	
8:2 FTS	**<53.4**	ng/L	131	53.4	1	12/11/24 06:42	12/11/24 19:03	39108-34-4	
9Cl-PF3ONS	**<23.9**	ng/L	126	23.9	1	12/11/24 06:42	12/11/24 19:03	756426-58-1	
ADONA	**<21.7**	ng/L	128	21.7	1	12/11/24 06:42	12/11/24 19:03	919005-14-4	
HFPO-DA	**<17.1**	ng/L	135	17.1	1	12/11/24 06:42	12/11/24 19:03	13252-13-6	
NEtFOSAA	**<38.4**	ng/L	135	38.4	1	12/11/24 06:42	12/11/24 19:03	2991-50-6	
NEtFOSA	**<30.8**	ng/L	135	30.8	1	12/11/24 06:42	12/11/24 19:03	4151-50-2	
NEtFOSE	**41.8J**	ng/L	135	40.6	1	12/11/24 06:42	12/11/24 19:03	1691-99-2	
NMeFOSAA	**<52.8**	ng/L	135	52.8	1	12/11/24 06:42	12/11/24 19:03	2355-31-9	
NMeFOSA	**<42.3**	ng/L	135	42.3	1	12/11/24 06:42	12/11/24 19:03	31506-32-8	
NMeFOSE	**62.6J**	ng/L	135	32.6	1	12/11/24 06:42	12/11/24 19:03	24448-09-7	
PFBS	**<13.7**	ng/L	120	13.7	1	12/11/24 06:42	12/11/24 19:03	375-73-5	
PFDA	**<16.9**	ng/L	135	16.9	1	12/11/24 06:42	12/11/24 19:03	335-76-2	
PFHxA	**<25.6**	ng/L	135	25.6	1	12/11/24 06:42	12/11/24 19:03	307-24-4	
PFBA	**<18.9**	ng/L	135	18.9	1	12/11/24 06:42	12/11/24 19:03	375-22-4	
PFDS	**<38.4**	ng/L	131	38.4	1	12/11/24 06:42	12/11/24 19:03	335-77-3	
PFDoS	**<36.1**	ng/L	131	36.1	1	12/11/24 06:42	12/11/24 19:03	79780-39-5	
PFHpS	**<42.6**	ng/L	129	42.6	1	12/11/24 06:42	12/11/24 19:03	375-92-8	
PFNS	**<32.1**	ng/L	130	32.1	1	12/11/24 06:42	12/11/24 19:03	68259-12-1	
PFOSA	**<26.9**	ng/L	135	26.9	1	12/11/24 06:42	12/11/24 19:03	754-91-6	
PFPeA	**<12.4**	ng/L	135	12.4	1	12/11/24 06:42	12/11/24 19:03	2706-90-3	
PFPeS	**<17.3**	ng/L	127	17.3	1	12/11/24 06:42	12/11/24 19:03	2706-91-4	
PFDoA	**<29.2**	ng/L	135	29.2	1	12/11/24 06:42	12/11/24 19:03	307-55-1	
PFHpA	**<15.9**	ng/L	135	15.9	1	12/11/24 06:42	12/11/24 19:03	375-85-9	
PFHxS	**<15.8**	ng/L	123	15.8	1	12/11/24 06:42	12/11/24 19:03	355-46-4	
PFNA	**<14.1**	ng/L	135	14.1	1	12/11/24 06:42	12/11/24 19:03	375-95-1	
PFOS	**92.0J**	ng/L	125	34.5	1	12/11/24 06:42	12/11/24 19:03	1763-23-1	
PFOA	**31.6J**	ng/L	135	18.1	1	12/11/24 06:42	12/11/24 19:03	335-67-1	
PFTeDA	**<24.4**	ng/L	135	24.4	1	12/11/24 06:42	12/11/24 19:03	376-06-7	
PFTrDA	**<19.1**	ng/L	135	19.1	1	12/11/24 06:42	12/11/24 19:03	72629-94-8	
PFUnA	**<43.2**	ng/L	135	43.2	1	12/11/24 06:42	12/11/24 19:03	2058-94-8	
Surrogates									
13C4-PFBA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C5-PFPeA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C3-PFBS (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C24:2FTS (S)	46	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C3HFPO-DA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C4-PFHpA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C3-PFHxS (S)	93	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C26:2FTS (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C8-PFOA (S)	93	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C8-PFOS (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C9-PFNA (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: MW-36 **Lab ID: 40288120007** Collected: 11/26/24 12:20 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	100	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C28:2FTS (S)	90	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
d3-MeFOSAA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C7-PFUdA (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C8-PFOSA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
d5-EtFOSAA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C2-PFDoA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
d3-NMeFOSA (S)	21	%.	10-150		1	12/11/24 06:42	12/11/24 19:03		
d7-NMeFOSE (S)	56	%.	10-150		1	12/11/24 06:42	12/11/24 19:03		
13C2-PFTA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
d9-NEtFOSE (S)	53	%.	10-150		1	12/11/24 06:42	12/11/24 19:03		
d5-NEtFOSA (S)	18	%.	10-150		1	12/11/24 06:42	12/11/24 19:03		
13C2PFHxDA (S)	69	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		
13C5-PFHxA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 19:03		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: MW-37 **Lab ID: 40288120008** Collected: 11/26/24 12:50 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<20.7**	ng/L	95.8	20.7	1	12/11/24 06:42	12/11/24 19:25	763051-92-9	
4:2 FTS	**<18.5**	ng/L	95.3	18.5	1	12/11/24 06:42	12/11/24 19:25	757124-72-4	
6:2 FTS	**<29.1**	ng/L	96.8	29.1	1	12/11/24 06:42	12/11/24 19:25	27619-97-2	
8:2 FTS	**<40.2**	ng/L	98.4	40.2	1	12/11/24 06:42	12/11/24 19:25	39108-34-4	
9Cl-PF3ONS	**<18.0**	ng/L	94.8	18.0	1	12/11/24 06:42	12/11/24 19:25	756426-58-1	
ADONA	**<16.3**	ng/L	96.3	16.3	1	12/11/24 06:42	12/11/24 19:25	919005-14-4	
HFPO-DA	**<12.8**	ng/L	102	12.8	1	12/11/24 06:42	12/11/24 19:25	13252-13-6	
NEtFOSAA	**<29.0**	ng/L	102	29.0	1	12/11/24 06:42	12/11/24 19:25	2991-50-6	
NEtFOSA	**<23.2**	ng/L	102	23.2	1	12/11/24 06:42	12/11/24 19:25	4151-50-2	
NEtFOSE	**34.7J**	ng/L	102	30.6	1	12/11/24 06:42	12/11/24 19:25	1691-99-2	
NMeFOSAA	**<39.8**	ng/L	102	39.8	1	12/11/24 06:42	12/11/24 19:25	2355-31-9	
NMeFOSA	**<31.9**	ng/L	102	31.9	1	12/11/24 06:42	12/11/24 19:25	31506-32-8	
NMeFOSE	**<24.5**	ng/L	102	24.5	1	12/11/24 06:42	12/11/24 19:25	24448-09-7	
PFBS	**22.9J**	ng/L	90.2	10.3	1	12/11/24 06:42	12/11/24 19:25	375-73-5	
PFDA	**<12.7**	ng/L	102	12.7	1	12/11/24 06:42	12/11/24 19:25	335-76-2	
PFHxA	**<19.3**	ng/L	102	19.3	1	12/11/24 06:42	12/11/24 19:25	307-24-4	
PFBA	**<14.3**	ng/L	102	14.3	1	12/11/24 06:42	12/11/24 19:25	375-22-4	
PFDS	**<29.0**	ng/L	98.4	29.0	1	12/11/24 06:42	12/11/24 19:25	335-77-3	
PFDoS	**<27.2**	ng/L	98.9	27.2	1	12/11/24 06:42	12/11/24 19:25	79780-39-5	
PFHpS	**<32.1**	ng/L	96.8	32.1	1	12/11/24 06:42	12/11/24 19:25	375-92-8	
PFNS	**<24.2**	ng/L	97.9	24.2	1	12/11/24 06:42	12/11/24 19:25	68259-12-1	
PFOSA	**<20.3**	ng/L	102	20.3	1	12/11/24 06:42	12/11/24 19:25	754-91-6	
PFPeA	**<9.3**	ng/L	102	9.3	1	12/11/24 06:42	12/11/24 19:25	2706-90-3	
PFPeS	**<13.0**	ng/L	95.8	13.0	1	12/11/24 06:42	12/11/24 19:25	2706-91-4	
PFDoA	**<22.0**	ng/L	102	22.0	1	12/11/24 06:42	12/11/24 19:25	307-55-1	
PFHpA	**<12.0**	ng/L	102	12.0	1	12/11/24 06:42	12/11/24 19:25	375-85-9	
PFHxS	**<11.9**	ng/L	92.8	11.9	1	12/11/24 06:42	12/11/24 19:25	355-46-4	
PFNA	**<10.7**	ng/L	102	10.7	1	12/11/24 06:42	12/11/24 19:25	375-95-1	
PFOS	**52.1J**	ng/L	94.3	26.0	1	12/11/24 06:42	12/11/24 19:25	1763-23-1	
PFOA	**23.9J**	ng/L	102	13.6	1	12/11/24 06:42	12/11/24 19:25	335-67-1	
PFTeDA	**<18.4**	ng/L	102	18.4	1	12/11/24 06:42	12/11/24 19:25	376-06-7	
PFTrDA	**<14.4**	ng/L	102	14.4	1	12/11/24 06:42	12/11/24 19:25	72629-94-8	
PFUnA	**<32.6**	ng/L	102	32.6	1	12/11/24 06:42	12/11/24 19:25	2058-94-8	
Surrogates									
13C4-PFBA (S)	71	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C5-PFPeA (S)	73	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C3-PFBS (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C24:2FTS (S)	50	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C3HFPO-DA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C4-PFHpA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C3-PFHxS (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C26:2FTS (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C8-PFOA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C8-PFOS (S)	89	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C9-PFNA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: MW-37 **Lab ID: 40288120008** Collected: 11/26/24 12:50 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C28:2FTS (S)	107	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
d3-MeFOSAA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C7-PFUdA (S)	77	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C8-PFOSA (S)	70	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
d5-EtFOSAA (S)	78	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C2-PFDoA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
d3-NMeFOSA (S)	28	%.	10-150		1	12/11/24 06:42	12/11/24 19:25		
d7-NMeFOSE (S)	55	%.	10-150		1	12/11/24 06:42	12/11/24 19:25		
13C2-PFTA (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
d9-NEtFOSE (S)	55	%.	10-150		1	12/11/24 06:42	12/11/24 19:25		
d5-NEtFOSA (S)	25	%.	10-150		1	12/11/24 06:42	12/11/24 19:25		
13C2PFHxDA (S)	75	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		
13C5-PFHxA (S)	73	%.	25-150		1	12/11/24 06:42	12/11/24 19:25		

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ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: EQUIPMENT BLANK **Lab ID: 40288120009** Collected: 11/26/24 10:30 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.40**	ng/L	1.9	0.40	1	12/11/24 06:42	12/11/24 18:13	763051-92-9	
4:2 FTS	**<0.36**	ng/L	1.9	0.36	1	12/11/24 06:42	12/11/24 18:13	757124-72-4	
6:2 FTS	**<0.57**	ng/L	1.9	0.57	1	12/11/24 06:42	12/11/24 18:13	27619-97-2	
8:2 FTS	**<0.79**	ng/L	1.9	0.79	1	12/11/24 06:42	12/11/24 18:13	39108-34-4	
9Cl-PF3ONS	**<0.35**	ng/L	1.9	0.35	1	12/11/24 06:42	12/11/24 18:13	756426-58-1	
ADONA	**<0.32**	ng/L	1.9	0.32	1	12/11/24 06:42	12/11/24 18:13	919005-14-4	
HFPO-DA	**<0.25**	ng/L	2.0	0.25	1	12/11/24 06:42	12/11/24 18:13	13252-13-6	
NEtFOSAA	**<0.57**	ng/L	2.0	0.57	1	12/11/24 06:42	12/11/24 18:13	2991-50-6	
NEtFOSA	**<0.45**	ng/L	2.0	0.45	1	12/11/24 06:42	12/11/24 18:13	4151-50-2	
NEtFOSE	**<0.60**	ng/L	2.0	0.60	1	12/11/24 06:42	12/11/24 18:13	1691-99-2	
NMeFOSAA	**<0.78**	ng/L	2.0	0.78	1	12/11/24 06:42	12/11/24 18:13	2355-31-9	
NMeFOSA	**<0.62**	ng/L	2.0	0.62	1	12/11/24 06:42	12/11/24 18:13	31506-32-8	
NMeFOSE	**<0.48**	ng/L	2.0	0.48	1	12/11/24 06:42	12/11/24 18:13	24448-09-7	
PFBS	**<0.20**	ng/L	1.8	0.20	1	12/11/24 06:42	12/11/24 18:13	375-73-5	
PFDA	**<0.25**	ng/L	2.0	0.25	1	12/11/24 06:42	12/11/24 18:13	335-76-2	
PFHxA	**<0.38**	ng/L	2.0	0.38	1	12/11/24 06:42	12/11/24 18:13	307-24-4	
PFBA	**<0.28**	ng/L	2.0	0.28	1	12/11/24 06:42	12/11/24 18:13	375-22-4	
PFDS	**<0.57**	ng/L	1.9	0.57	1	12/11/24 06:42	12/11/24 18:13	335-77-3	
PFDoS	**<0.53**	ng/L	1.9	0.53	1	12/11/24 06:42	12/11/24 18:13	79780-39-5	
PFHpS	**<0.63**	ng/L	1.9	0.63	1	12/11/24 06:42	12/11/24 18:13	375-92-8	
PFNS	**<0.47**	ng/L	1.9	0.47	1	12/11/24 06:42	12/11/24 18:13	68259-12-1	
PFOSA	**<0.40**	ng/L	2.0	0.40	1	12/11/24 06:42	12/11/24 18:13	754-91-6	
PFPeA	**<0.18**	ng/L	2.0	0.18	1	12/11/24 06:42	12/11/24 18:13	2706-90-3	
PFPeS	**<0.25**	ng/L	1.9	0.25	1	12/11/24 06:42	12/11/24 18:13	2706-91-4	
PFDoA	**<0.43**	ng/L	2.0	0.43	1	12/11/24 06:42	12/11/24 18:13	307-55-1	
PFHpA	**<0.23**	ng/L	2.0	0.23	1	12/11/24 06:42	12/11/24 18:13	375-85-9	
PFHxS	**<0.23**	ng/L	1.8	0.23	1	12/11/24 06:42	12/11/24 18:13	355-46-4	
PFNA	**<0.21**	ng/L	2.0	0.21	1	12/11/24 06:42	12/11/24 18:13	375-95-1	
PFOS	**0.74J**	ng/L	1.8	0.51	1	12/11/24 06:42	12/11/24 18:13	1763-23-1	B
PFOA	**<0.27**	ng/L	2.0	0.27	1	12/11/24 06:42	12/11/24 18:13	335-67-1	
PFTeDA	**<0.36**	ng/L	2.0	0.36	1	12/11/24 06:42	12/11/24 18:13	376-06-7	
PFTrDA	**<0.28**	ng/L	2.0	0.28	1	12/11/24 06:42	12/11/24 18:13	72629-94-8	
PFUnA	**<0.64**	ng/L	2.0	0.64	1	12/11/24 06:42	12/11/24 18:13	2058-94-8	
Surrogates									
13C4-PFBA (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C5-PFPeA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C3-PFBS (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C24:2FTS (S)	75	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C3HFPO-DA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C4-PFHpA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C3-PFHxS (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C26:2FTS (S)	84	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C8-PFOA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C8-PFOS (S)	80	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C9-PFNA (S)	91	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: EQUIPMENT BLANK **Lab ID: 40288120009** Collected: 11/26/24 10:30 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	92	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C28:2FTS (S)	123	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
d3-MeFOSAA (S)	76	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C7-PFUdA (S)	86	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C8-PFOSA (S)	77	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
d5-EtFOSAA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C2-PFDoA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
d3-NMeFOSA (S)	27	%.	10-150		1	12/11/24 06:42	12/11/24 18:13		
d7-NMeFOSE (S)	55	%.	10-150		1	12/11/24 06:42	12/11/24 18:13		
13C2-PFTA (S)	82	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
d9-NEtFOSE (S)	56	%.	10-150		1	12/11/24 06:42	12/11/24 18:13		
d5-NEtFOSA (S)	24	%.	10-150		1	12/11/24 06:42	12/11/24 18:13		
13C2PFHxDA (S)	60	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		
13C5-PFHxA (S)	81	%.	25-150		1	12/11/24 06:42	12/11/24 18:13		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: FIELD BLANK **Lab ID: 40288120010** Collected: 11/26/24 10:25 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178								
	Pace Analytical Services - Minneapolis								
11Cl-PF3OUdS	**<0.48**	ng/L	2.2	0.48	1	12/11/24 06:42	12/11/24 18:06	763051-92-9	
4:2 FTS	**<0.43**	ng/L	2.2	0.43	1	12/11/24 06:42	12/11/24 18:06	757124-72-4	
6:2 FTS	**<0.67**	ng/L	2.2	0.67	1	12/11/24 06:42	12/11/24 18:06	27619-97-2	
8:2 FTS	**<0.93**	ng/L	2.3	0.93	1	12/11/24 06:42	12/11/24 18:06	39108-34-4	
9Cl-PF3ONS	**<0.41**	ng/L	2.2	0.41	1	12/11/24 06:42	12/11/24 18:06	756426-58-1	
ADONA	**<0.38**	ng/L	2.2	0.38	1	12/11/24 06:42	12/11/24 18:06	919005-14-4	
HFPO-DA	**<0.30**	ng/L	2.3	0.30	1	12/11/24 06:42	12/11/24 18:06	13252-13-6	
NEtFOSAA	**<0.67**	ng/L	2.3	0.67	1	12/11/24 06:42	12/11/24 18:06	2991-50-6	
NEtFOSA	**<0.53**	ng/L	2.3	0.53	1	12/11/24 06:42	12/11/24 18:06	4151-50-2	
NEtFOSE	**0.74J**	ng/L	2.3	0.70	1	12/11/24 06:42	12/11/24 18:06	1691-99-2	
NMeFOSAA	**<0.92**	ng/L	2.3	0.92	1	12/11/24 06:42	12/11/24 18:06	2355-31-9	
NMeFOSA	**<0.73**	ng/L	2.3	0.73	1	12/11/24 06:42	12/11/24 18:06	31506-32-8	
NMeFOSE	**1.1J**	ng/L	2.3	0.57	1	12/11/24 06:42	12/11/24 18:06	24448-09-7	
PFBS	**<0.24**	ng/L	2.1	0.24	1	12/11/24 06:42	12/11/24 18:06	375-73-5	
PFDA	**<0.29**	ng/L	2.3	0.29	1	12/11/24 06:42	12/11/24 18:06	335-76-2	
PFHxA	**<0.44**	ng/L	2.3	0.44	1	12/11/24 06:42	12/11/24 18:06	307-24-4	
PFBA	**<0.33**	ng/L	2.3	0.33	1	12/11/24 06:42	12/11/24 18:06	375-22-4	
PFDS	**<0.67**	ng/L	2.3	0.67	1	12/11/24 06:42	12/11/24 18:06	335-77-3	
PFDoS	**<0.63**	ng/L	2.3	0.63	1	12/11/24 06:42	12/11/24 18:06	79780-39-5	
PFHpS	**<0.74**	ng/L	2.2	0.74	1	12/11/24 06:42	12/11/24 18:06	375-92-8	
PFNS	**<0.56**	ng/L	2.3	0.56	1	12/11/24 06:42	12/11/24 18:06	68259-12-1	
PFOSA	**<0.47**	ng/L	2.3	0.47	1	12/11/24 06:42	12/11/24 18:06	754-91-6	
PFPeA	**<0.22**	ng/L	2.3	0.22	1	12/11/24 06:42	12/11/24 18:06	2706-90-3	
PFPeS	**<0.30**	ng/L	2.2	0.30	1	12/11/24 06:42	12/11/24 18:06	2706-91-4	
PFDoA	**<0.51**	ng/L	2.3	0.51	1	12/11/24 06:42	12/11/24 18:06	307-55-1	
PFHpA	**<0.28**	ng/L	2.3	0.28	1	12/11/24 06:42	12/11/24 18:06	375-85-9	
PFHxS	**<0.27**	ng/L	2.1	0.27	1	12/11/24 06:42	12/11/24 18:06	355-46-4	
PFNA	**<0.25**	ng/L	2.3	0.25	1	12/11/24 06:42	12/11/24 18:06	375-95-1	
PFOS	**0.92J**	ng/L	2.2	0.60	1	12/11/24 06:42	12/11/24 18:06	1763-23-1	B
PFOA	**<0.31**	ng/L	2.3	0.31	1	12/11/24 06:42	12/11/24 18:06	335-67-1	
PFTeDA	**<0.42**	ng/L	2.3	0.42	1	12/11/24 06:42	12/11/24 18:06	376-06-7	
PFTrDA	**<0.33**	ng/L	2.3	0.33	1	12/11/24 06:42	12/11/24 18:06	72629-94-8	
PFUnA	**<0.75**	ng/L	2.3	0.75	1	12/11/24 06:42	12/11/24 18:06	2058-94-8	
Surrogates									
13C4-PFBA (S)	98	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C5-PFPeA (S)	95	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C3-PFBS (S)	97	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C24:2FTS (S)	83	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C3HFPO-DA (S)	92	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C4-PFHpA (S)	99	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C3-PFHxS (S)	101	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C26:2FTS (S)	93	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C8-PFOA (S)	102	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C8-PFOS (S)	96	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C9-PFNA (S)	103	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Sample: FIELD BLANK **Lab ID: 40288120010** Collected: 11/26/24 10:25 Received: 11/27/24 09:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID NPW	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C6-PFDA (S)	100	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C28:2FTS (S)	157	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		S3
d3-MeFOSAA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C7-PFUdA (S)	88	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C8-PFOSA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
d5-EtFOSAA (S)	87	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C2-PFDoA (S)	85	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
d3-NMeFOSA (S)	26	%.	10-150		1	12/11/24 06:42	12/11/24 18:06		
d7-NMeFOSE (S)	61	%.	10-150		1	12/11/24 06:42	12/11/24 18:06		
13C2-PFTA (S)	79	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
d9-NEtFOSE (S)	62	%.	10-150		1	12/11/24 06:42	12/11/24 18:06		
d5-NEtFOSA (S)	19	%.	10-150		1	12/11/24 06:42	12/11/24 18:06		
13C2PFHxDA (S)	59	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		
13C5-PFHxA (S)	94	%.	25-150		1	12/11/24 06:42	12/11/24 18:06		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

QC Batch: 983468
QC Batch Method: ENV-SOP-MIN4-0178
Analysis Method: ENV-SOP-MIN4-0178
Analysis Description: WI ID NPW
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 40288120001, 40288120002, 40288120003, 40288120004, 40288120005, 40288120006, 40288120007, 40288120008, 40288120009, 40288120010

METHOD BLANK: 5137957
Matrix: Water
Associated Lab Samples: 40288120001, 40288120002, 40288120003, 40288120004, 40288120005, 40288120006, 40288120007, 40288120008, 40288120009, 40288120010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	<0.41	1.9	12/11/24 17:37	
4:2 FTS	ng/L	<0.37	1.9	12/11/24 17:37	
6:2 FTS	ng/L	<0.58	1.9	12/11/24 17:37	
8:2 FTS	ng/L	<0.80	2.0	12/11/24 17:37	
9Cl-PF3ONS	ng/L	<0.36	1.9	12/11/24 17:37	
ADONA	ng/L	<0.33	1.9	12/11/24 17:37	
HFPO-DA	ng/L	<0.26	2.0	12/11/24 17:37	
NEtFOSA	ng/L	<0.46	2.0	12/11/24 17:37	
NEtFOSAA	ng/L	<0.58	2.0	12/11/24 17:37	
NEtFOSE	ng/L	<0.61	2.0	12/11/24 17:37	
NMeFOSA	ng/L	<0.64	2.0	12/11/24 17:37	
NMeFOSAA	ng/L	<0.79	2.0	12/11/24 17:37	
NMeFOSE	ng/L	<0.49	2.0	12/11/24 17:37	
PFBA	ng/L	<0.29	2.0	12/11/24 17:37	
PFBS	ng/L	<0.21	1.8	12/11/24 17:37	
PFDA	ng/L	<0.25	2.0	12/11/24 17:37	
PFDoA	ng/L	<0.44	2.0	12/11/24 17:37	
PFDoS	ng/L	<0.54	2.0	12/11/24 17:37	
PFDS	ng/L	<0.58	2.0	12/11/24 17:37	
PFHpA	ng/L	<0.24	2.0	12/11/24 17:37	
PFHpS	ng/L	<0.64	1.9	12/11/24 17:37	
PFHxA	ng/L	<0.39	2.0	12/11/24 17:37	
PFHxS	ng/L	<0.24	1.9	12/11/24 17:37	
PFNA	ng/L	<0.21	2.0	12/11/24 17:37	
PFNS	ng/L	<0.48	2.0	12/11/24 17:37	
PFOA	ng/L	<0.27	2.0	12/11/24 17:37	
PFOS	ng/L	0.76J	1.9	12/11/24 17:37	
PFOSA	ng/L	<0.41	2.0	12/11/24 17:37	
PFPeA	ng/L	<0.19	2.0	12/11/24 17:37	
PFPeS	ng/L	<0.26	1.9	12/11/24 17:37	
PFTeDA	ng/L	<0.37	2.0	12/11/24 17:37	
PFTrDA	ng/L	<0.29	2.0	12/11/24 17:37	
PFUnA	ng/L	<0.65	2.0	12/11/24 17:37	
13C2-PFDoA (S)	%.	81	25-150	12/11/24 17:37	
13C2-PFTA (S)	%.	80	25-150	12/11/24 17:37	
13C24:2FTS (S)	%.	81	25-150	12/11/24 17:37	
13C26:2FTS (S)	%.	98	25-150	12/11/24 17:37	
13C28:2FTS (S)	%.	85	25-150	12/11/24 17:37	
13C2PFHxDA (S)	%.	63	25-150	12/11/24 17:37	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

METHOD BLANK: 5137957 Matrix: Water

Associated Lab Samples: 40288120001, 40288120002, 40288120003, 40288120004, 40288120005, 40288120006, 40288120007, 40288120008, 40288120009, 40288120010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C3-PFBS (S)	%.	81	25-150	12/11/24 17:37	
13C3-PFHxS (S)	%.	84	25-150	12/11/24 17:37	
13C3HFPO-DA (S)	%.	75	25-150	12/11/24 17:37	
13C4-PFBA (S)	%.	82	25-150	12/11/24 17:37	
13C4-PFHpA (S)	%.	83	25-150	12/11/24 17:37	
13C5-PFHxA (S)	%.	79	25-150	12/11/24 17:37	
13C5-PFPeA (S)	%.	80	25-150	12/11/24 17:37	
13C6-PFDA (S)	%.	89	25-150	12/11/24 17:37	
13C7-PFUdA (S)	%.	85	25-150	12/11/24 17:37	
13C8-PFOA (S)	%.	87	25-150	12/11/24 17:37	
13C8-PFOS (S)	%.	81	25-150	12/11/24 17:37	
13C8-PFOSA (S)	%.	78	25-150	12/11/24 17:37	
13C9-PFNA (S)	%.	90	25-150	12/11/24 17:37	
d3-MeFOSAA (S)	%.	82	25-150	12/11/24 17:37	
d3-NMeFOSA (S)	%.	35	20-150	12/11/24 17:37	
d5-EtFOSAA (S)	%.	84	25-150	12/11/24 17:37	
d5-NEtFOSA (S)	%.	33	20-150	12/11/24 17:37	
d7-NMeFOSE (S)	%.	62	20-150	12/11/24 17:37	
d9-NEtFOSE (S)	%.	63	20-150	12/11/24 17:37	

LABORATORY CONTROL SAMPLE & LCSD: 5137958 5137959

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
11Cl-PF3OUdS	ng/L	3.8	4.2	4.3	109	113	50-150	2	30	
4:2 FTS	ng/L	3.8	4.3	3.9	113	104	50-150	10	30	
6:2 FTS	ng/L	3.8	4.5	4.3	118	112	50-150	6	30	
8:2 FTS	ng/L	3.9	4.4	3.8	113	100	50-150	13	30	
9Cl-PF3ONS	ng/L	3.8	4.0	3.7	106	99	50-150	8	30	
ADONA	ng/L	3.8	4.2	3.8	111	102	50-150	10	30	
HFPO-DA	ng/L	4	4.5	4.3	111	109	50-150	3	30	
NEtFOSA	ng/L	4	4.9	3.8	120	96	50-150	23	30	
NEtFOSAA	ng/L	4	4.3	4.2	106	105	50-150	2	30	
NEtFOSE	ng/L	4	4.8	4.3	120	109	50-150	11	30	
NMeFOSA	ng/L	4	5.0	4.4	124	109	50-150	14	30	
NMeFOSAA	ng/L	4	4.9	4.0	120	100	50-150	20	30	
NMeFOSE	ng/L	4	4.6	3.9	114	98	50-150	17	30	
PFBA	ng/L	4	4.5	4.4	112	111	50-150	2	30	
PFBS	ng/L	3.6	4.6	3.9	129	111	50-150	17	30	
PFDA	ng/L	4	4.3	4.3	107	108	50-150	1	30	
PFDoA	ng/L	4	4.5	4.2	110	106	50-150	6	30	
PFDoS	ng/L	3.9	3.7	3.5	94	91	50-150	5	30	
PFDS	ng/L	3.9	4.5	3.5	115	90	50-150	25	30	
PFHpA	ng/L	4	4.5	4.4	112	111	50-150	2	30	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

LABORATORY CONTROL SAMPLE & LCSD: 5137958 5137959

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PFHpS	ng/L	3.9	4.9	4.1	126	108	50-150	16	30	
PFHxA	ng/L	4	4.5	4.4	112	111	50-150	2	30	
PFHxS	ng/L	3.7	4.3	4.1	115	112	50-150	5	30	
PFNA	ng/L	4	4.8	4.2	118	105	50-150	12	30	
PFNS	ng/L	3.9	4.1	4.2	105	110	50-150	3	30	
PFOA	ng/L	4	4.7	4.3	115	108	50-150	8	30	
PFOS	ng/L	3.8	4.8	4.7	128	127	50-150	2	30	
PFOSA	ng/L	4	4.8	4.7	119	119	50-150	1	30	
PFPeA	ng/L	4	4.5	4.4	112	110	50-150	4	30	
PFPeS	ng/L	3.8	4.0	3.9	106	104	50-150	3	30	
PFTeDA	ng/L	4	4.5	4.7	112	117	50-150	3	30	
PFTrDA	ng/L	4	4.7	4.3	115	107	50-150	9	30	
PFUnA	ng/L	4	4.4	4.2	109	106	50-150	4	30	
13C2-PFDoA (S)	%.				73	91	25-150			
13C2-PFTA (S)	%.				65	82	25-150			
13C24:2FTS (S)	%.				75	94	25-150			
13C26:2FTS (S)	%.				75	107	25-150			
13C28:2FTS (S)	%.				70	104	25-150			
13C2PFHxDA (S)	%.				48	68	25-150			
13C3-PFBS (S)	%.				86	91	25-150			
13C3-PFHxS (S)	%.				86	94	25-150			
13C3HFPO-DA (S)	%.				84	84	25-150			
13C4-PFBA (S)	%.				84	91	25-150			
13C4-PFHpA (S)	%.				88	94	25-150			
13C5-PFHxA (S)	%.				81	89	25-150			
13C5-PFPeA (S)	%.				80	90	25-150			
13C6-PFDA (S)	%.				84	97	25-150			
13C7-PFUdA (S)	%.				76	92	25-150			
13C8-PFOA (S)	%.				86	99	25-150			
13C8-PFOS (S)	%.				76	93	25-150			
13C8-PFOSA (S)	%.				82	87	25-150			
13C9-PFNA (S)	%.				83	99	25-150			
d3-MeFOSAA (S)	%.				70	90	25-150			
d3-NMeFOSA (S)	%.				27	43	20-150			
d5-EtFOSAA (S)	%.				70	87	25-150			
d5-NEtFOSA (S)	%.				19	36	20-150			S0
d7-NMeFOSE (S)	%.				54	73	20-150			
d9-NEtFOSE (S)	%.				51	75	20-150			

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2102778 Wausau-1300 Cleveland
Pace Project No.: 40288120

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40288120001	**SB-14R**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120002	**SBGW-1R**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120003	**SB-5R**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120004	**SB-1R**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120005	**SBGW-3R**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120006	**SBGW-3R DUP**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120007	**MW-36**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120008	**MW-37**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120009	**EQUIPMENT BLANK**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128
40288120010	**FIELD BLANK**	ENV-SOP-MIN4-0178	983468	ENV-SOP-MIN4-0178	984128

Pace® Location Requested (City/State):
Pace Analytical Green Bay
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

40288120

Scan QR Code for instructions

Company Name:	GEI Consultants, Inc. - Green Bay, WI	Contact/Report To:	Mike Debraske
Street Address:	3159 Voyager Drive Green Bay, WI 54311	Phone #:	920-455-8655
		E-Mail:	mdebraske@geiconsultants.com
		Cc E-Mail:	MSeymour@geiconsultants.com
Customer Project #:	2102778		
Project Name:	Wausau-1300 Cleveland Ave	Invoice To:	Accounts Payable
		Invoice E-Mail:	geipayables@geiconsultants.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [X] CT [ ] ET		County / State origin of sample(s):	Wisconsin
Data Deliverables: [ ] Level ii [ ] Level III [ ] Level iV [ ] EQUiS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other_____	DW PWSID # or WW Permit # as applicable:
		Date Results Requested:	Field Filtered (if applicable): [X] Yes [ ] No Analysis: RCRA Metals

Specify Container Size **: 3 6 5 3

Identify Container Preservative Type***: 1 4 1 2

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Christopher Hyska; AcctNum / Client ID:; Table #:; Profile / Template: 6980; Prelog / Bottle Ord. ID: EZ 3172365

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Cauik (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	PFAS -ID WI 33 List	VOC 8260	SVOCs+ LL PAHs 8270E / 8270Esim	Diss RCRA metals	Sample Comment	Preservation non-conformance identified for sample.
SB-14R	GW	grab	11-26-24	1100			2			X				001	
SBGW-1R				1105			2			X				002	
SB-5R				1130						X				003	
SB-1R				1135						X				004	
SBGW-3R				1155						X				005	
SBGW-3R DUP				1200						X				006	
MW-36				1220						X				007	
MW-37				1250						X				008	
Equipment Blank				1030						X				009	
Field Blank				1025						X				010	

Additional instructions from Pace®:

Collected By: (Printed Name) Madi Seymour

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice
2	110	—	3.0	5.0	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	11.27.24 0900	E Pace	11/27/24 0900	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [X] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Sample Preservation Receipt Form

Client Name: GEI Project # 402880120

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: KKS Date/ Time:

Lab Lot# of pH paper: 10001414 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001									1																								2.5 / 5
002									1																								2.5 / 5
003									1																								2.5 / 5
004									1																								2.5 / 5
005									1																								2.5 / 5
006									1																								2.5 / 5
007									1																								2.5 / 5
008									1																								2.5 / 5
009									1																								2.5 / 5
010									1																								2.5 / 5
011									1																								2.5 / 5
012	11/27/24 KKS 4																	1		2	2	1												2.5 / 5
013					4						1						3															X		2.5 / 5
014																	3																	2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020										11/27/24				KKS																				2.5 / 5

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

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI
BG3U	250 mL clear glass unpres				

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40288120

Client Name: GET

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

Tracking #: _____

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

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

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

Thermometer Used SR - 110 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 /Corr: 3.0

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

Person examining contents:
Date: 11/27/24 Initials: KKS

Labeled By Initials: YM

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

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: (Pace Green Bay), Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: GW; SL	☐Yes ☑No ☐N/A	12. 014: no dates & times on COC; time '15:00' & dates '11/26/24' on samples. 11/26/24 KKS 11/27/24 KKS
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): 534		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

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