444 21st Street South · La Crosse, Wisconsin · 54601

June 21, 2024

Tim Zeichert
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
West Central Region
101 South Webster Street
PO Box 7921
Madison, WI 53707-7921

RE: Site Investigation Status Update
La Crosse Airport PFAS Investigation
Fisherman Rd, French Island, La Crosse, WI
WDNR BRRTS Activity # 02-32-587347

Dear Mr. Zeichert:

On February 15, 2023, the OS Group, LLC, (OSG) provided the Wisconsin Department of Natural Resources (WDNR) with a workplan and schedule for additional site investigation for the La Crosse Airport PFAS Investigation site. The WDNR issued a notice to proceed with that workplan on February 28, 2023. The activities included in that workplan now have been completed. This status update reports the findings of the additional investigation to the City of La Crosse (the City) and the WDNR. In particular, this submittal provides information about the installation of an additional piezometer, collection of groundwater samples from the monitoring well network, and collection of groundwater potentiometric surface elevation measurements conducted in 2023 and 2024.

1.0 Background and Discussion

The La Crosse Airport PFAS Investigation site is located at the La Crosse Regional Airport (LSE or the airport) on French Island in the Mississippi/Black River complex, in La Crosse County, WI. See Figure 1: Site Location Map and Figure 2: Piezomter PZ-1 Location and site layout map.

1.1 Summary of Prior Reports and Updates

The first (revised) investigation workplan for this site was submitted to the WDNR on January 25, 2020, and approved by the WDNR on March 13, 2020. The activities included in that initial workplan were completed and documented in a status report dated October 7, 2020. The status report recommended that additional groundwater sampling of private wells in an area south and east of the airport be conducted. After most of the recommended private well sampling was completed, OSG submitted an interim site investigation report dated April 7, 2021, to the WDNR.

On June 11, 2021, the WDNR directed the City to conduct additional site investigation. OSG submitted a new site investigation workplan to the WDNR, which was approved by the WDNR on August 27, 2021. This workplan was primarily focused on further investigating the groundwater flow at and adjacent to the airport site. The findings of the additional investigation were summarized in January 19 and November 15, 2022 status updates.

OSG submitted the most recent site investigation work plan on February 15, 2023, which was approved by the WDNR on February 28, 2023.

Please refer to the prior submittals for the results of prior investigation activities.

2.0 Recent Activities

The following additional site investigation activities have been completed at the La Crosse Airport PFAS Investigation site since the February 15, 2023, work plan:

1. Installed one (1) piezometer, PZ-1, adjacent to monitoring well MW-1, which is approximately 400 feet down-gradient of the 2001 crash site in the southwest portion of the airport, on April 10, 2023;
2. Containerized drill cuttings investigative waste in 55-gallon, DOT-rated drums and arranged for off-site disposal;

3. Developed the newly installed piezometer on May 3, 2023. Development water was containerized and filtered with granular activated carbon before it was discharged to the sanitary sewer;
4. Collected groundwater samples from all water table monitoring wells and piezometers on May 22 to May 24, 2024 and submitted them for polyfluroalkyl substances (PFAS) analysis by WI-36 method.
5. Measured groundwater potentiometric surface elevations from all monitoring wells and piezometers in May, August, and November2023 and March 2024;
6. Collected surface water elevations from the Black and Mississippi Rivers both upstream and downstream of the dams during measurement events;
7. Developed potentiometric surface maps for both water table monitoring wells and the deeper piezometers for all four events;
8. Prepared this status update

2.1 Methods

On April 10, 2023, one (1) additional piezometer (PZ-1) was installed at the site. The piezometer was installed adjacent to monitoring well MW-1 which is located approximately 400 feet down-gradient the 2001 crash site in the southwest portion of the airport. Because soil samples had previously been collected while installing MW-1, the borehole was blind drilled to a depth of twenty-five (25) feet below ground surface (bgs). Soil samples were then collected continuously from depths of twenty-five (25) feet to fifty (50) feet bgs. Soils observed were well-sorted, medium sand, with occasional seams of well-sorted, medium sands and traces of silt. The piezometer was set at a depth of fifty (50) feet bgs with a five (5) foot screen.

Soil cuttings during borehole advancement were containerized in 55-gallon, DOT-approved drums and disposed through Covanta Environmental Solutions at Chemical Waste Management, Inc.'s RCRA Subtitle C landfill in Emelle, Alabama, where it was accepted as Non-Hazardous Waste. The Non-Hazardous Waste manifest is attached.

On May 3, 2023, piezometer PZ-1 was developed. Development used a dedicated submersible pump with intermittent surging of the well. During development, approximately one hundred and ten (110) gallons of water were containerized into an intermediate bulk container (IBC tote). Containerized development water was then treated via a two-stage granular activated carbon (GAC) unit. The unit includes two Carbtrol L-1-CL Drum Filters (200 pounds of GAC in

epoxy-lined, 55-gallon drums) in series, with pre- and post-particulate filters, as well as mid- and post-treatment sampling ports. Treated water was then discharged to the sanitary sewer.

Following the installation and development of PZ-1, groundwater samples were collected from the monitoring well network on May 22 to 24, 2023. Prior to sample collection, depth to water was measured from each monitoring well/piezometer using a PFAS-free water level indicator. All monitoring wells were purged with dedicated submersible pumps prior to sampling. During purging and using a Hanna model 98194 multiparameter water quality meter with a flow-through cell, the following field parameters were measured until values stabilized to the 1996 WDNR Groundwater Sampling Field Manual criteria:

- pH,
- Conductivity
- Dissolved oxygen
- Reduction potential
- Temperature

Groundwater samples were collected and placed on ice. Samples were submitted to Pace Analytical Services in Green Bay, WI for polyfluoro alkyl substances analysis by WI 36 method. Purge water was containerized and treated via the GAC unit with pre-, mid-, and post- samples collected near the end of treatment to determine if breakthrough had occurred.

On May 25, 2023, groundwater elevations were again measured from the entire monitoring well network and surface water elevations measured from both the upstream and downstream sides of the spillways on the Mississippi and Black Rivers. Additionally, on August 16, 2023, November 6, 2023, and March 24, 2024, depths to water (potentiometric surface) were measured in all water table monitoring wells and piezometers, and surface water elevations were measured from both the upstream and downstream sides of the spillways on the Mississippi and Black Rivers.

3.0 Findings, Discussion and Conclusions

3.1 Potentiometric Elevations

During the four (4) groundwater measurements events, groundwater was observed at depths ranging from approximately 6 to 32 feet below ground surface (bgs). Over the four monitoring events, groundwater potentiometric elevations within individual wells varied 3 ½ to 6 feet. Monitoring wells on the north portion of the network exhibited a smaller variation than the wells on the south portion. The lowest elevations were observed in March 2024 and the highest elevations in May 2023. The high elevations were observed following a major spring flooding event for the Mississippi and Black Rivers, which crested in late April 2023.

A slight downward vertical gradient, ranging from approximately 0.0004 to 0.003 ft/ft, was observed in nests MW-6/PZ-6 and MW-7/PZ-7 during all four measuring events. A slight upward vertical gradient, ranging from approximately 0.0003 to 0.001 ft/ft, was observed in nest MW-104/PZ-104. Slight downward gradients of approximately 0.0002 ft/ft during the May 2023 and March 2024 measuring events and slight upward gradients of approximately 0.001 ft/ft during the August and November 2023 measuring events were observed in nest MW-1/PZ-1. The overall pattern indicates essentially horizontal flow conditions.

At the La Crosse Airport, the groundwater flow direction was generally toward the southeast at both the water table and approximately 30 feet below the water table. West of the airport around the dam, flow lines enter the aquifer upstream of the dam, bend around the east end of the dam – more tightly near the dam – and discharge to the Mississippi River downstream from the dam when the tailwaters are at lower levels (August 2023, November 2023 and March 2024). The May 2023 event depicts short-term transient conditions related to an extreme flooding event of relatively long duration. Such events are infrequent.

A summary of groundwater and surface water elevations is provided in Table 1. Potentiometric surface maps of the water table and piezometers for the four (4) measurement events are provided in Figures 3 through 10.

3.2 PFAS Analyses

Table 2 provides a summary of the groundwater PFAS laboratory analytical results. PFAS were detected in all monitoring wells sampled during the May 2023 sampling event. Similar to prior sampling events, observed PFAS concentrations were typically lower (i.e., less than 100 ng/L) in suspected side- and up-gradient directions (MW-5, MW-6/PZ-6, MW-7/PZ-7, MW-102, and MW-103) than in source-area or down-gradient directions (MW-1, MW-2, MW-3, MW-4, MW-101, and PZ-104). In the newly installed PZ-1, while some specific PFAS compounds were higher, overall PFAS levels were significantly lower than in the nested water table monitoring well MW-1. Representative isoconcentration contour maps are presented in Figures 11 through 14. The laboratory analytical report is included as Attachment C.

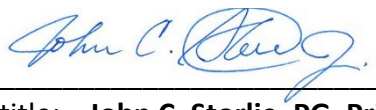
4.0 Standard of Care

In performing this scope of work, OSG has exercised that degree of care and skill ordinarily exercised under similar circumstances, such as scope, schedule and budget, by firms in the environmental consulting profession performing substantially similar services and practicing at the same time in the same or similar locality.

5.0 Certification

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

Signature:



_____ June 21, 2024

Printed name and title: **John C. Storlie, PG, Principal Hydrogeologist**

Figures

Figure 1: Site Location Map
Figure 2: Piezometer PZ-1 Location Map
Figure 3: Water Table Potentiometric Surface Map – May 25, 2023
Figure 4: Piezometer Potentiometric Surface Map – May 25, 2023
Figure 5: Water Table Potentiometric Surface Map – August 16, 2023
Figure 6: Piezometer Potentiometric Surface Map – August 16, 2023
Figure 7: Water Table Potentiometric Surface Map – November 6, 2023
Figure 8: Piezometer Potentiometric Surface Map – November 6, 2023
Figure 9: Water Table Potentiometric Surface Map – March 29, 2024
Figure 10: Piezometer Potentiometric Surface Map – March 29, 2024
Figure 11: Groundwater PFOA / PFOS / PFOSA (combined) Isoconcentrations – May 2023
Figure 12: Piezometer PFOA / PFOS / PFOSA (combined) Isoconcentrations – May 2023
Figure 13: Groundwater PFHxS Isoconcentrations – May 2023
Figure 14: Piezometer PFHxS Isoconcentrations – May 2023

Tables

Table 1: Groundwater Analytical Results
Table 2: Groundwater and Surface Water Elevations

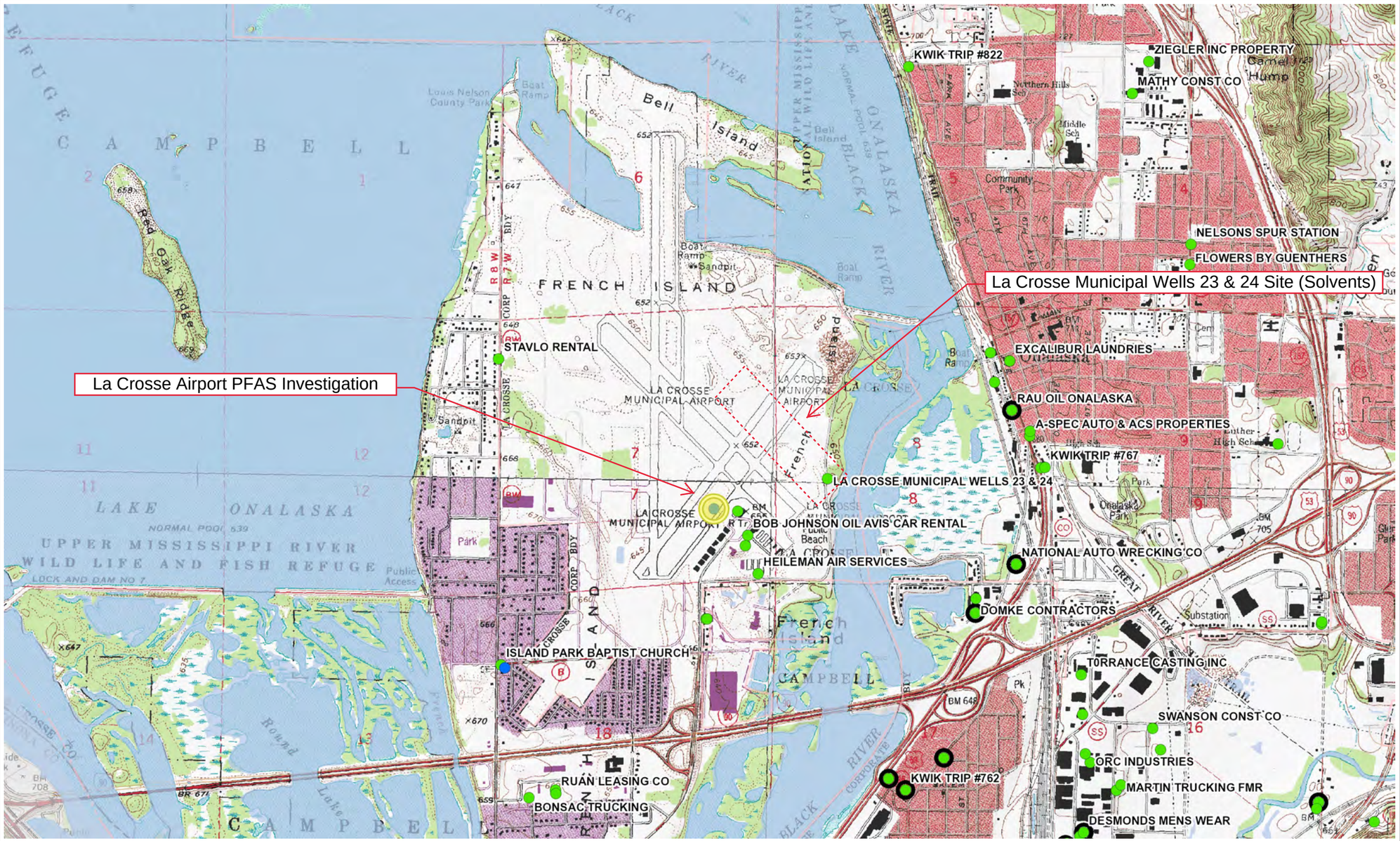
Attachments

Attachment A: Non-Hazardous Waste Manifest for Disposal of Investigative Waste, Designated Facility Copy, December 13, 2023

Attachment B: WDNR Boring Log, Monitoring Well Construction Form and Monitoring Well Development Form

Attachment C: Report of Laboratory Analyses, Pace Analytical Services, LLC, August 3, 2023

Figure 1: Site Location Map
BRRTS # 02-32-587347 - La Crosse Airport PFAS Investigation



Legend

- Open Site
- Open Site Boundary
- Closed Site
- Continuing Obligations Apply
- Facility-wide Site

0.8 0 0.38 0.8 Miles

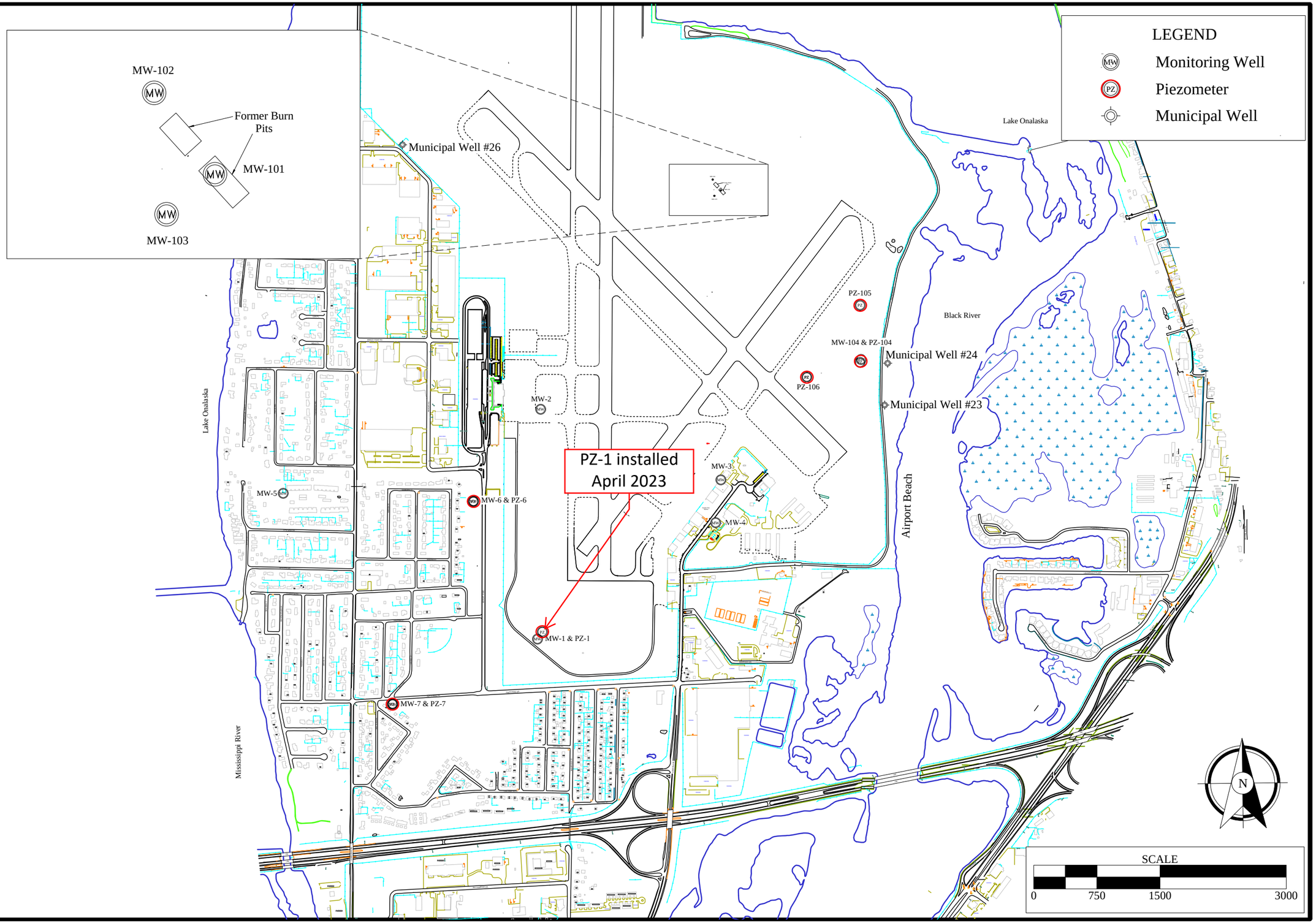
NAD_1983_HARN_Wisconsin_TM

1: 23,760

Note: Not all sites are mapped.

Notes

Source:
Wisconsin DNR RR Sites map, https://drmaps.wi.gov/H5/?viewer=rrsites accessed 04/05/2021



The OS Group LLC

Piezometer PZ-1 Location
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/13/24
Checked By:	JCS
Last Modified:	06/13/24
Sheet:	1 of 1
Fig:	2

LEGEND

MW Monitoring Well

(633) Water elevation in feet above MSL

(633) Watertable Elevation Contour

Groundwater Flow Direction

Lake Onalaska

Municipal Well #26

(638.5)

(636.6)

Black River

(639.00)

(638.50)

Municipal Well #24

MW-104 (637.30)

Municipal Well #23

(638.00)

(637.50)

MW-2 (639.34)

MW-3 (638.31)

Airport Beach

(637.00)

MW-5 (639.03)

MW-6 (639.21)

MW-4 (638.21)

(638.6)

(636.2)

MW-1 (638.69)

Mississippi River

MW-7 (633.10)

Black River

MW-102 (639.25)

Former Burn Pits

MW-101 (639.22)

MW-103 (639.22)

SCALE

0 750 1500 3000

The OS Group LLC

Water Table Potentiometric Surface Map - May 25, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/11/24
Sheet:	1 of 1
Fig:	3

LEGEND

- PZ — Piezometer
- (633) — Potentiometric Surface Elevation in feet above MSL
- (633) — Potentiometric Surface Elevation Contour
- Groundwater Flow Direction

Lake Onalaska

Municipal Well #26

Former Burn Pits

FISHERMAN RD

Lake Onalaska

Black River

PZ-105 (637.51)

PZ-104 (637.31)

Municipal Well #24

PZ-106 (637.86)

Municipal Well #23

(639.00)

(638.50)

(638.00)

(637.50)

Airport Beach

PZ-6 (639.19)

PZ-1 (638.68)

PZ-7 (638.43)

Mississippi River

Black River

SCALE

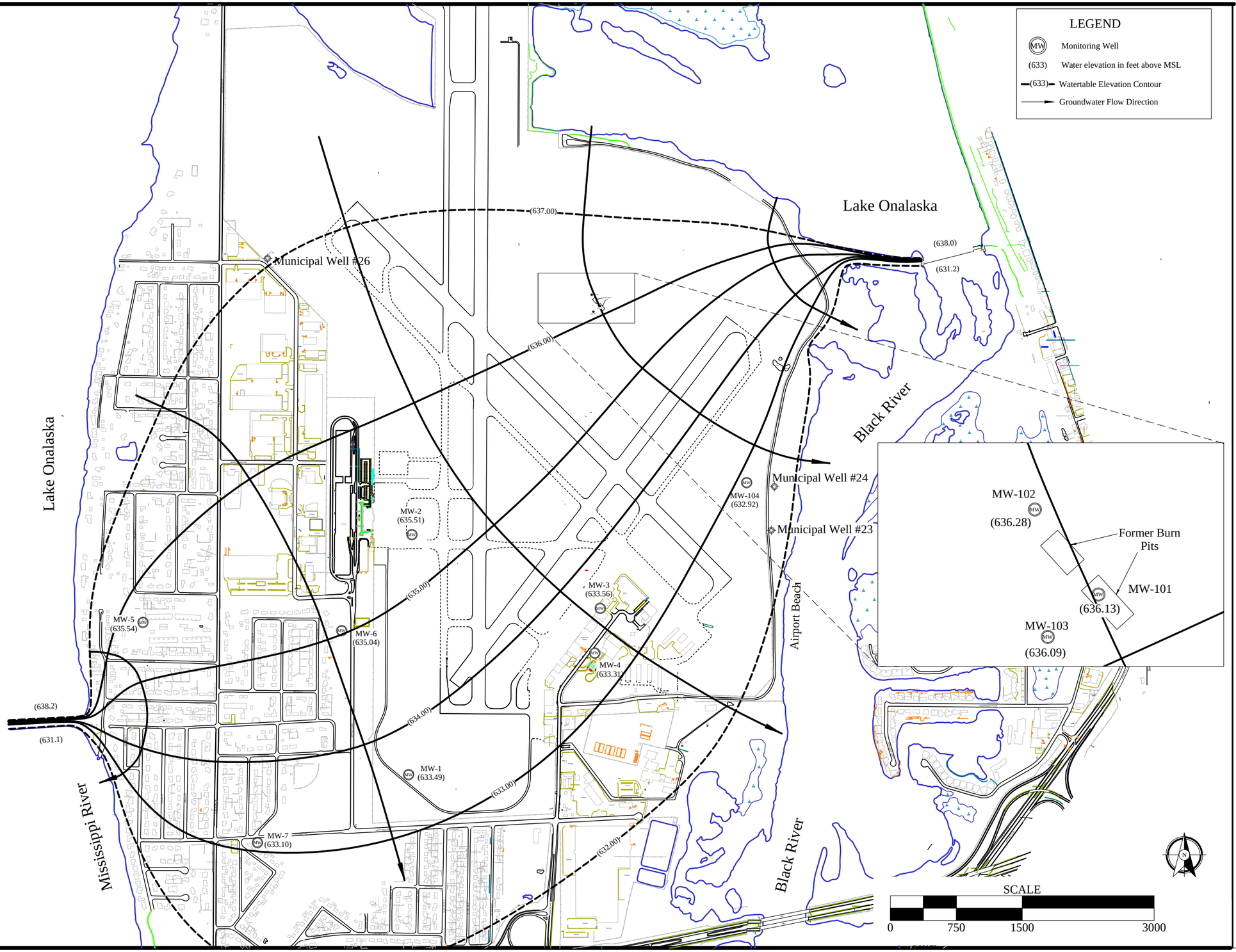
0 750 1500 3000

N

The OS Group LLC

Piezometer Potentiometric Surface Map - May 25, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

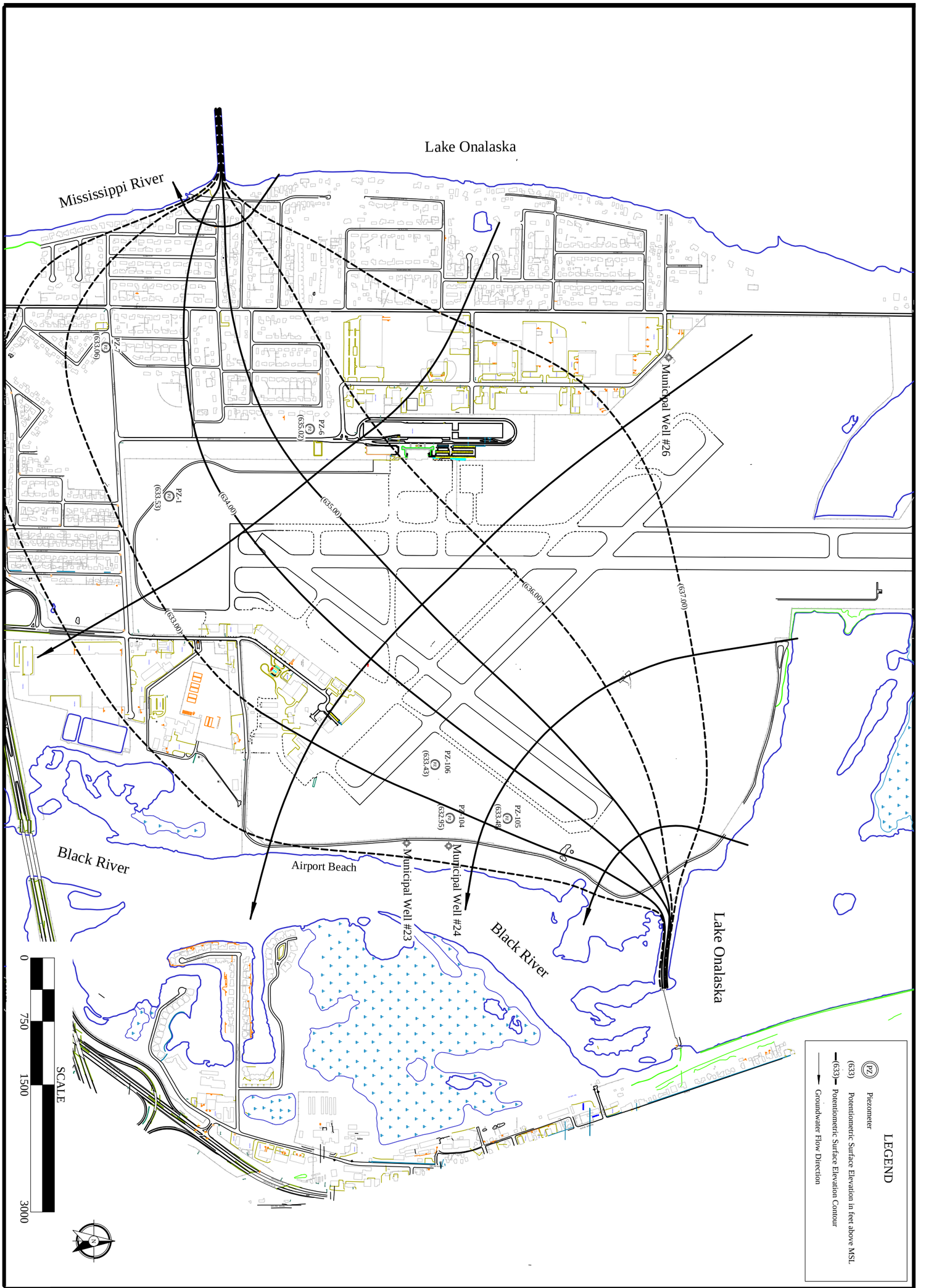
Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	08/21/23
Checked By:	JCS
Last Modified:	06/11/24
Sheet:	1 of 1
Fig:	4



The OS Group LLC

Water Table Potentiometric Surface Map - August 16, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	08/18/23
Checked By:	JCS
Last Modified:	06/11/24
Sheet:	1 of 1
Fig:	5



Piezometer Potentiometric Surface Map -August 16, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

The OS Group LLC

Project No: 1901158
Drawing No:
Scale:
Drawn By: SJO
Date Drawn: 08/21/23
Checked By: JCS
Last Modified: 06/11/24
Sheet: 1 of 1
Fig: 6

LEGEND

- MW — Monitoring Well
- (633) — Water elevation in feet above MSL
- (633) — Watertable Elevation Contour
- Groundwater Flow Direction

Lake Onalaska

Municipal Well #26

(637.00)

(635.00)

(634.00)

(633.00)

(632.00)

(638.1)

(631.2)

MW-5 (635.01)

MW-6 (634.43)

MW-2 (634.85)

MW-3 (633.43)

MW-4 (633.23)

MW-1 (633.13)

MW-7 (632.98)

MW-104 (633.09)

Municipal Well #24

Municipal Well #23

Airport Beach

Black River

Mississippi River

Lake Onalaska

MW-102 (636.11)

Former Burn Pits

MW-101 (635.99)

MW-103 (635.92)

SCALE

0 750 1500 3000

The OS Group LLC

Water Table Potentiometric Surface Map - November 6, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/11/24
Sheet:	1 of 1
Fig:	7

LEGEND

PZ Piezometer

(633) Potentiometric Surface Elevation in feet above MSL

(633) Potentiometric Surface Elevation Contour

Groundwater Flow Direction

Lake Onalaska

Municipal Well #26

(637.00)

(636.00)

(635.00)

(634.00)

(633.00)

(632.00)

PZ-105 (633.61)

PZ-104 (633.13)

PZ-106 (633.50)

Municipal Well #24

Municipal Well #23

Lake Onalaska

Black River

Airport Beach

PZ-6 (634.35)

PZ-1 (633.18)

PZ-7 (632.90)

Mississippi River

Black River

SCALE

0 750 1500 3000

The OS Group LLC

Piezometer Potentiometric Surface Map - November 6, 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/11/24
Sheet:	1 of 1
Fig:	8

LEGEND

MW Monitoring Well

(633) Water elevation in feet above MSL

(633) Watertable Elevation Contour

Groundwater Flow Direction

Lake Onalaska

Municipal Well #26

(637.00)

(636.00)

(635.00)

(634.00)

(633.00)

(632.00)

(637.9)

(631.8)

Black River

MW-104 (632.82)

Municipal Well #24

Municipal Well #23

MW-2 (634.56)

MW-3 (632.98)

MW-5 (634.72)

MW-6 (634.07)

MW-4 (632.77)

Airport Beach

(638.3)

(631.8)

MW-1 (632.71)

MW-7 (632.45)

Mississippi River

Black River

MW-102 (635.86)

Former Burn Pits

MW-101 (635.71)

MW-103 (635.65)

SCALE

0 750 1500 3000

The OS Group LLC

Water Table Potentiometric Surface Map - March 29, 2024

La Crosse Airport PFAS Investigation

La Crosse, WI

Project No: 1901155

Drawing No:

Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/11/24

Sheet: 1 of 1

Fig: 9

LEGEND

- PZ — Piezometer
- (633) — Potentiometric Surface Elevation in feet above MSL
- (633) — Potentiometric Surface Elevation Contour
- Groundwater Flow Direction

(637.00)
(636.00)
(635.00)
(634.00)
(633.00)
(632.00)

Municipal Well #26
Municipal Well #24
Municipal Well #23

PZ-105 (633.35)
PZ-104 (632.85)
PZ-106 (633.12)
PZ-6 (633.97)
PZ-1 (632.70)
PZ-7 (632.44)

Lake Onalaska
Lake Onalaska
Mississippi River
Black River
Black River
Airport Beach

SCALE
0 750 1500 3000

The OS Group LLC

Piezometer Potentiometric Surface Map - March 29, 2024
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/11/24

Sheet: 1 of 1
Fig: 10

LEGEND

- Monitoring Well
- (·) Groundwater PFAS/PFOS/PFOSA (Combined) Concentration (ng/L)
- 20 Groundwater PFAS/PFOS/PFOSA (Combined) Isoconcentration Contour

Lake Onalaska

Municipal Well #26

Municipal Well #24

Municipal Well #23

Black River

Airport Beach

Mississippi River

MW-1 (1,173)

MW-2 (443)

MW-3 (10,031)

MW-4 (1,097)

MW-5 (11)

MW-6 (0.7)

MW-7 (6)

MW-101 (10,497)

MW-102 (13.5)

MW-103 (250)

MW-104 (2.3)

Former Burn Pits

20

1000

5000

SCALE

0 750 1500 3000

The OS Group LLC

Groundwater PFOA / PFOS / PFOSA (Combined) Isoconcentrations - May 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

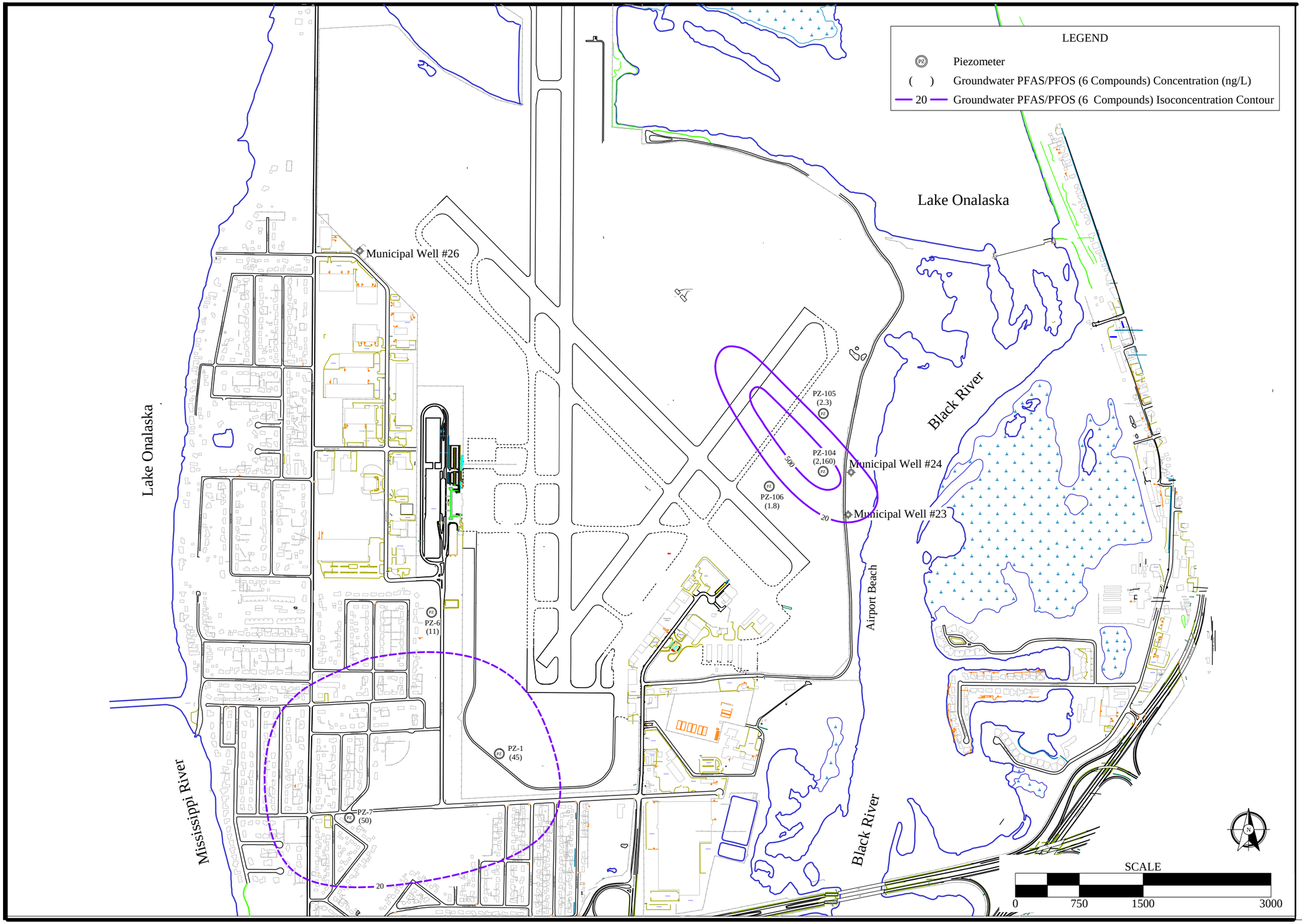
Project No: 1901155

Drawing No:

Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/17/24

Sheet: 1 of 1

Fig: 11



The OS Group LLC

Piezometer PFOA / PFOS / PFOS (Combined)
Isoconcentrations - May 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/17/24
Sheet:	1 of 1
Fig:	12

LEGEND

P2 Piezometer

( ) Groundwater PFHxS Concentration (ng/L)

40 Groundwater PFHxS Isoconcentration Contour

Lake Onalaska

Municipal Well #26

Municipal Well #24

Municipal Well #23

Black River

Airport Beach

Mississippi River

MW-1 (223)

MW-2 (218)

MW-3 (4,390)

MW-4 (407)

MW-5 (0.71)

MW-6 (2.0)

MW-7 (1.8)

MW-104 (0.92)

1000

40

MW-102 (5.8)

Former Burn Pits

MW-101 (1,100)

MW-103 (92.1)

SCALE

0 750 1500 3000

The OS Group LLC

Groundwater PFHxS Isoconcentrations - May 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/17/24
Sheet:	1 of 1
Fig:	13

LEGEND

- PZ — Piezometer
- ( ) — Groundwater PFHxS Concentration (ng/L)
- 40 — Groundwater PFHxS Isoconcentration Contour

Lake Onalaska

Municipal Well #26

PZ-6 (1.5)

PZ-1 (6.2)

PZ-7 (5.0)

Mississippi River

PZ-105 (0.57)

PZ-104 (409)

Municipal Well #24

PZ-106 (2.4)

40

Municipal Well #23

Airport Beach

Black River

Black River

SCALE

0 750 1500 3000

The OS Group LLC

Piezometer PFHxS Isoconcentrations - May 2023
La Crosse Airport PFAS Investigation
La Crosse, WI

Project No:	1901155
Drawing No:	
Scale:	
Drawn By:	SJO
Date Drawn:	06/11/24
Checked By:	JCS
Last Modified:	06/17/24
Sheet:	1 of 1
Fig:	14

Table 1
Groundwater and Surface Water Elevations
La Crosse Airport PFAS Investigation

Date	Mississippi River Spillway https://water.usace.army.mil/a2w/f?p=100:1:0:#			Black River Spillway			MW-1 TOC Elevation= 650.43 TOS elevation = 639.18		PZ-1 TOC Elevation = 650.30 TOS Elevation = 600.16		MW-2 TOC Elevation= 646.18 TOS elevation = 642.30		MW-3 TOC Elevation= 654.20 TOS elevation = 640.57		MW-4 TOC Elevation= 654.35 TOS elevation = 640.86		MW-5 TOC Elevation - 666.88 TOS Elevation = 642.56		MW-6 TOC Elevation - 653.91 TOS Elevation = 642.27		PZ-6 TOC Elevation - 653.84 TOS Elevation = 608.40	
	L. Onalaska	Tailwater	Diff.	L. Onalaska	Tailwater	Diff.	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation
9/23/2020*	NA	NA	NA	NA	NA	NA	16.63	633.80	NI	NI	10.55	635.63	20.35	633.85	20.76	633.59	NI	NI	NI	NI	NI	NI
11/6/2020	638.5**	NA	NA	NA	NA	NA	17.17	633.26	NI	NI	11.10	635.08	20.75	633.45	21.17	633.18	NI	NI	NI	NI	NI	NI
3/21/2021	638.5**	633.8**	4.7	NA	NA	NA	17.31	633.12	NI	NI	11.35	634.83	20.60	633.60	20.96	633.39	NI	NI	NI	NI	NI	NI
6/18/2021	638.6**	630.9**	7.7	NA	NA	NA	16.85	633.58	NI	NI	10.75	635.43	20.68	633.52	21.00	633.35	NI	NI	NI	NI	NI	NI
11/3/2021	638.4**	631.8**	6.6	NA	NA	NA	17.18	633.25	NI	NI	11.08	635.10	20.92	633.28	21.30	633.05	31.59	635.29	19.22	634.69	19.17	634.67
2/9/2022	638.5**	631.4**	7.1	NA	NA	NA	17.67	632.76	NI	NI	11.64	634.54	21.25	632.95	21.58	632.77	32.17	634.71	19.86	634.05	19.83	634.01
3/29/2022	638.0	634.4	3.6	638.0	634.4	3.6	17.37	633.06	NI	NI	11.45	634.73	20.73	633.47	21.07	633.28	31.73	635.15	19.66	634.25	19.62	634.22
5/19/2022	638.4	636.8	1.7	638.5	636.4	2.1	15.24	635.19	NI	NI	9.98	636.20	18.68	635.52	18.91	635.44	30.42	636.46	18.06	635.85	18.03	635.81
8/11/2022	638.0	631.4	6.6	638.0	631.4	6.6	16.36	634.07	NI	NI	10.29	635.89	20.23	633.97	20.60	633.75	31.08	635.80	18.40	635.51	18.41	635.43
5/25/2023	638.6	636.2	2.4	638.5	636.6	1.9	11.74	638.69	11.62	638.68	6.84	639.34	15.89	638.31	16.14	638.21	27.85	639.03	14.7	639.21	14.65	639.19
8/16/2023	638.2	631.1	7.1	638.0	631.2	6.8	16.94	633.49	16.77	633.53	10.67	635.51	20.64	633.56	21.04	633.31	31.34	635.54	18.87	635.04	18.82	635.02
11/6/2023	638.1	631.2	6.9	NM	631.2	NM	17.30	633.13	17.12	633.18	11.33	634.85	20.77	633.43	21.12	633.23	31.87	635.01	19.48	634.43	19.49	634.35
3/29/2024	638.3	631.8	6.5	638.3	631.8	6.5	17.72	632.71	17.60	632.70	11.62	634.56	21.22	632.98	21.58	632.77	32.16	634.72	19.84	634.07	19.87	633.97

Date	MW-7 TOC Elevation - 660.60 TOS Elevation = 640.05		PZ-7 TOC Elevation - 660.55 TOS Elevation = 606.11		MW-101 TOC Elevation= 648.28 TOS elevation = 644.24		MW-102 TOC Elevation= 647.39 TOS elevation = 643.33		MW-103 TOC Elevation= 647.06 TOS elevation = 643.11		MW-104 TOC Elevation= 656.64 TOS elevation = 640.61		PZ-104 TOC Elevation= 656.69 TOS elevation = 605.59		PZ-105 TOC Elevation= 652.00 TOS elevation = 605.45		PZ-106 TOC Elevation= 644.54 TOS elevation = 606.21	
	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation	DTW (feet)	Elevation
9/23/2020*	NI	NI	NI	NI	11.97	636.31	10.98	636.41	10.8	636.26	23.62	633.02	23.64	633.05	18.42	633.58	10.89	633.65
11/6/2020	NI	NI	NI	NI	12.22	636.06	11.19	636.20	11.02	636.04	23.55	633.09	23.56	633.13	18.36	633.64	11.04	633.50
3/21/2021	NI	NI	NI	NI	12.23	636.05	11.22	636.17	11.07	635.99	22.78	633.86	22.81	633.88	17.70	634.30	10.58	633.96
6/18/2021	NI	NI	NI	NI	12.14	636.14	11.12	636.27	10.97	636.09	23.74	632.90	23.75	632.94	18.55	633.45	11.12	633.42
11/3/2021	27.62	632.98	27.60	632.95	12.29	635.99	11.26	636.13	11.12	635.94	23.74	632.90	23.74	632.95	18.54	633.46	11.21	633.33
2/9/2022	27.98	632.62	28.00	632.55	12.66	635.62	11.61	635.78	11.49	635.57	23.82	632.82	23.83	632.86	NA	NA	11.41	633.13
3/29/2022	27.48	633.12	27.51	633.04	12.34	635.94	11.31	636.08	11.18	635.88	22.57	634.07	22.59	634.10	17.58	634.42	10.62	633.92
5/19/2022	25.3	635.3	25.29	635.26	11.11	637.17	10.13	637.26	9.92	637.14	20.78	635.86	20.76	635.93	15.91	636.09	8.71	635.83
8/11/2022	27.01	633.59	26.98	633.57	11.90	636.38	10.85	636.54	10.69	636.37	23.38	633.26	23.40	633.29	18.21	633.79	10.78	633.76
5/25/2023	22.14	638.46	22.12	638.43	9.06	639.22	8.14	639.25	7.84	639.22	19.34	637.30	19.38	637.31	14.49	637.51	6.68	637.86
8/16/2023	27.5	633.10	27.49	633.06	12.15	636.13	11.11	636.28	10.97	636.09	23.72	632.92	23.74	632.95	18.52	633.48	11.11	633.43
11/6/2023	27.62	632.98	27.65	632.90	12.29	635.99	11.28	636.11	11.14	635.92	23.55	633.09	23.56	633.13	18.39	633.61	11.04	633.50
3/29/2024	28.15	632.45	28.11	632.44	12.57	635.71	11.53	635.86	11.41	635.65	23.82	632.82	23.84	632.85	18.65	633.35	11.42	633.12

Notes:
TOC - Top of Casing
TOS - Top of Screen
DTW- Depth to water
** - Elevations taken from United States Army Corps of Engieers, Access to Water Resources Data - Corps Water Management System Data Dissemination tool
NA - Not available
NI - Not installed
NM - Not measured

Table 2
Groundwater PFAS Concentrations
La Crosse Airport PFAS Investigation

PFAS Compounds Detected	CAS #	MW-1			PZ-1	MW-2			MW-3			MW-4			MW-5		MW-6		PZ-6		MW-7		PZ-7	
		11/11/2020	11/5/2021	5/24/2023	5/24/2023	11/11/2020	11/3/2021	5/24/2023	11/5/2020	11/5/2021	5/24/2023	11/5/2020	11/5/2021	5/24/2023	11/8/2021	5/24/2023	11/8/2021	5/22/2023	11/8/2021	5/22/2023	11/8/2021	5/22/2023	11/8/2021	5/22/2023
8:2 FTS	39108-34-4	<1.8	<6.9	<0.51	<0.50	<9.4	<80	<0.50	<38	<7.3	0.76 J	<2.0	23	6.7	<7.0	<0.49	<7.8	<0.50	<6.9	<0.52	<6.9	<0.52	<6.9	<0.50
6:2 FTS	27619-97-2	<1.8	<6.9	1.2 J	<0.66	29 J	460	305	790	14,000	1470	29	320	6.8	<7.0	<0.66	<7.8	<0.67	<6.9	<0.69	<6.9	<0.69	<6.9	<0.66
10:2 FTS	120226-60-0	<1.8	<6.9	<0.93	<0.90	<9.4	<80	<0.90	<38	<7.3	<0.90	<2.0	<6.9	<0.87	<7.0	<0.90	<7.8	<0.91	<6.9	<0.94	<6.9	<0.94	<6.9	<0.90
4:2 FTS	757124-72-4	<1.8	<6.9	<0.47	<0.46	<9.4	<80	<0.46	<38	1.5 J	1.3 J	<2.0	<6.9	<0.44	<7.0	<0.46	<7.8	<0.46	<6.9	<0.48	<6.9	<0.48	<6.9	<0.46
PFBS	375-73-5	93 J	15	8.5	3.6	4.8 J	18 J	10.9	1200 B	1000	455	59	44	16.6	7.0	7.2	3.5 J	2.8	6.4	6.8	1.5 J	1.3 J	2.5 J	3.0
PFDS	335-77-3	<0.91	<3.5	<0.65	<0.63	<4.7	<40	<0.63	<19	<3.6	<0.63	<1.0	<3.5	<0.61	<3.5	<0.63	<3.9	<0.64	<3.5	<0.66	<3.4	<0.65	<3.4	<0.63
PFHpS	375-92-8	110	39	23.4	<0.66	<4.7	<40	2.7	280	680	329	19	54	12.1	<3.5	<0.65	<3.9	<0.66	0.6 J	<0.69	<3.4	<0.68	<3.4	<0.66
PFNS	68259-12-1	<0.91	<3.5	<0.59	<0.58	<4.7	<40	<0.58	<19	<3.6	5.7	<1.0	<3.5	2.1	<3.5	<0.57	<3.9	<0.58	<3.5	<0.60	<3.4	<0.60	<3.4	<0.58
PFOSA	754-91-6	<0.91	<3.5	<0.72	<071	<19	<40	<0.70	<19	<3.6	<0.70	<1.0	0.58 J	1.8 J	<3.5	<0.70	<3.9	<0.71	<3.5	<0.74	<3.4	<0.73	<3.4	<0.70
PFPeS	2706-91-4	210 J	21	17.8	2.7	7.5 J	31 J	13.4	1200	1800	634	120	82	44	<3.5	<0.59	<3.9	<0.60	2.2 J	<0.62	<3.4	<0.61	1.1 J	1.8 J
PFHxS	355-46-4	2100	370	223	6.2	180	230	218	7400	18000	4390	550	1200	407	0.82 J	0.71 J	1.9 J	2.0 J	5.0	1.5 J	0.73 J	1.8 J	5.0	5.0
PFBA	375-22-4	27 J	3.7	3.9	156	57	50	113	690 B	580	231	44	53	26.8	3.2 J	2.7	11	11	110	17.1	1.7 J	2.0 J	64	102
PFDA	335-76-2	<0.91	<3.5	<0.61	<0.60	<4.7	8.0 J	7.3	<19	0.5 J	<0.60	<1.0	2.1 J	1.3 J	1.5 J	0.68 J	<3.9	<0.60	<3.5	<0.62	<3.4	<0.62	<3.4	<0.60
PFHpA	375-85-9	7.8	0.95 J	<0.69	0.80 J	150	150	152	300	450	160	68	180	101	1.6 J	1.0 J	0.53 J	0.83 J	0.92 J	<0.71	0.45 J	0.79 J	0.59 J	<0.68
PFHxA	307-24-4	110 J	6.9	4.0	3.6	82	140	153	1500	2000	682	140	210	93	0.94 J	1.2 J	0.97 J	2.0	4.2	<0.93	<3.4	<0.93	1.7 J	2.2
PFNA	375-95-1	<0.91	<3.5	<0.80	<0.78	59	130	24.5	<19	13	5.0	11	31	12.1	2.1 J	<0.78	<3.9	<0.79	<3.5	<0.81	<3.4	<0.81	<3.4	<0.78
PFOA	335-67-1	31	7.7	2.6	32.1	1900	380	417	380 B	1700	551	66	210	55.1	4.0	2.2	1.2 J	<0.85	47	6.1	1.5 J	5.0	30	36.9
PFPeA	2706-90-3	25 J	1.5 J	1.2 J	6.0	92	140	194	2100	2000	777	98	150	75.8	0.98 J	1.2 J	1.2 J	1.6 J	7.1	1.1 J	<3.4	<0.84	2.7 J	4.1
PFUdA	2058-94-8	<0.91	<3.5	<0.49	<0.48	<4.7	<40	<0.48	<19	<3.6	<0.48	<1.0	<3.5	<0.46	<3.5	<0.48	<3.9	<0.48	<3.5	<0.50	<3.4	<0.50	<3.4	<0.48
PFOS	1763-23-1	7100 B	5500	1170	12.6	26	130	25.9	7200	22000	9480	960	3,600	1040	84	8.5	<3.9	0.70 J	19	5.1	2.4 J	1.2 J	14	12.9
PFOA / PFOS (6 Combined)		7131	5508	1173	44.7	1926	510	442.9	7580	23700	10031	1026	3810.58	1097	88	10.7	1.2	0.7	66	11.2	3.9	6.2	44	49.8

PFAS Compounds Detected	CAS #	MW-101			MW-102			MW-103			MW-104			PZ-104			PZ-105			PZ-106		
		11/6/2020	11/5/2021	5/23/2023	11/6/2020	11/5/2021	5/23/2023	11/6/2020	11/5/2021	5/23/2023	11/5/2020	11/8/2021	5/23/2023	11/5/2020	11/8/2021	5/23/2023	11/6/2020	11/5/2021	5/23/2023	11/6/2020	11/5/2021	5/23/2023
8:2 FTS	39108-34-4	770	870	884	<2.0	<9.0	<0.52	<1.7	<7.3	<0.51	<1.8	<7.4	<0.51	17	7.6	22.5	<1.8	<7.4	<0.50	<1.8	<7.5	<0.51
6:2 FTS	27619-97-2	8.7	38	30.8	<1.8	<9.0	<0.70	<1.8	<7.3	<0.68	<1.8	<7.4	<0.69	12	<6.9	6.3	<1.8	<7.4	<0.67	<1.8	<7.5	<0.68
10:2 FTS	120226-60-0	<1.9	5.0 J	11.3	<2.0	<9.0	<0.95	<1.7	<7.3	<0.92	<1.8	<7.4	<0.94	<1.7	<6.9	<0.91	<1.8	<7.4	<0.91	<1.8	<7.5	<0.92
4:2 FTS	757124-72-4	<1.9	<9.1	<0.47	<2.0	<9.0	<0.48	<1.7	<7.3	<0.47	<1.8	<7.4	<0.48	<1.7	<6.9	<0.46	<1.8	<7.4	<0.46	<1.8	<7.5	<0.47
PFBS	375-73-5	32	52	36.7	<0.98	<9.0	1.1 J	3.2 J	1.6 J	2.2	<0.88	<3.7	0.61	7.0	2.8 J	5.9	0.96 J	<3.7	0.70 J	<0.88	0.74	0.53
PFDS	335-77-3	<0.93	<4.6	4.4	<0.98	<4.5	<0.66	<0.87	<3.6	<0.65	<0.88	<3.7	<0.65	<0.86	<3.5	<0.64	<0.91	<3.7	<0.64	<0.88	<3.8	<0.65
PFHpS	375-92-8	18	57	63.5	<0.98	<4.5	<0.69	2.4 J	1.6 J	1.3 J	<0.88	<3.7	<0.68	8.5	3.5	12.2	<0.91	<3.7	<0.67	<0.88	<3.8	<0.67
PFNS	68259-12-1	4.5	5.2	65.2	<0.98	<4.5	<0.61	<0.87	<3.6	<0.59	<0.88	<3.7	<0.60	3.1 J	<3.5	8.8	<0.91	<3.7	<0.58	<0.88	<3.8	<0.59
PFOSA	754-91-6	2.8	2.9 J	2.2	<0.98	<4.5	<0.74	<0.87	<3.6	<0.72	<0.88	<3.7	<0.73	<0.86	<3.5	<0.71	<0.91	<3.7	<0.71	<0.88	<3.8	<0.72
PFPeS	2706-91-4	57	100	71.9	<0.98	<4.5	<0.62	1.3 J	0.69 J	2.9	<0.88	<3.7	<0.61	12	3.4 J	13.5	<0.91	<3.7	<0.60	<0.88	<3.8	<0.60
PFHxS	355-46-4	1100	4200	1100	1.5 J	4.7	5.8	77	30	92.1	1.2 J	0.74 J	0.92	490	170	409	1.1 J	1.0 J	0.57 J	0.93 J	2.9	2.4
PFBA	375-22-4	63	87	39.9	1.7 J	1.0 J	9.4	8.1	7.3	6.9	1.4 J	0.61 J	3.1	38	9.6	12.3	7.1	5.4	3.6	5.5	4.4	3.9
PFDA	335-76-2	23	26	54.7	<0.98	<4.5	<0.63	<0.87	<3.6	<0.61	<0.88	<3.7	<0.62	1.9 J	0.7 J	1.8 J	<0.91	<3.7	<0.61	<0.88	<3.8	<0.61
PFHpA	375-85-9	150	300	104	<0.98	0.69 J	5.0	4.0	3.0 J	6.6	<0.88	<3.7	<0.70	52	9.1	47.4	<0.91	<3.7	<0.69	<0.88	0.42	<0.69
PFHxA	307-24-4	290	550	238	<0.98	<4.5	6.6	6.6	7.4	13.8	<0.88	<3.7	<0.93	94	18	84.6	<0.91	<3.7	<0.91	<0.88	<3.8	<0.92
PFNA	375-95-1	80	84	34.2	<0.98	<4.5	<0.82	7.9	2.8 J	2.2	<0.88	<3.7	<0.81	17	3.7	13.1	<0.91	<3.7	<0.79	<0.88	<3.8	<0.80
PFOA	335-67-1	220	460	94.8	<0.98	1.2 J	3.7	6.5	6.1	5.3	<0.88	<3.7	<0.88	40	7.1	30.4	<0.91	0.89 J	<0.86	<0.88	<3.8	<0.87
PFPeA	2706-90-3	130	210	87.1	<0.98	<4.5	4.6	5.4	5.1	6.7	<0.88	<3.7	<0.84	64	12	31.5	<0.91	<3.7	<0.82	1.0 J	0.86	<0.83
PFUdA	2058-94-8	<0.93	0.74 J	1.1 J	<0.98	<4.5	<0.50	<0.87	<3.6	<0.49	<0.88	<3.7	<0.50	<0.86	<3.5	<0.48	<0.91	<3.7	<0.48	<0.88	<3.8	<0.49
PFOS	1763-23-1	12000 B	11000	10400	3.0 J	3.5 J	9.8	700	480	245	4.4	3.0 J	2.3	2700	880	2130	1.9 J	<3.7	2.3	<0.88	<3.8	1.8
PFOA / PFOS (6 Combined)		12000	11462.9	10497	3	4.7	13.5	706.5	486.1	250.3	4.4	3	2.3	2740	887.1	2160.4	1.9	0.89	2.3	ND	ND	1.8

Notes:

All results are in ng/L
J - Estimated result < limit of quantitation and ≥ limit of detetection
B - Detected in the method blank
NE - None established
The following Compounds were not listed in the above table because they were not detected in any samples:

9Cl-PF3ONS	EtFOSAA	PFDOS	PFTrDA
11Cl-PF3OUdS	EtFOSE	PFDoA	
GenX	MeFOSA	PFHxDA	
ADONA	MeFOSAA	PFODA	
EtFOSA	MeFOSE	PFTeDA	

ATTACHMENT A

Non-Hazardous Waste Manifest for Disposal of Investigative Waste, Designated Facility Copy, December 13, 2023

SO423797

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
CESQG		(800) 814-1204	CES 0195175

GENERATOR

5. Generator's Name and Mailing Address
La Crosse Regional Airport
2850 Airport Dr.
La Crosse Wisconsin 54603 608-789-7464
Generator's Phone:

Generator's Site Address (if different than mailing address)
La Crosse Regional Airport
2850 Airport Dr.
La Crosse Wisconsin 54603

6. Transporter 1 Company Name: Covanta Environmental Solutions Carriers II LLC — U.S. EPA ID Number: WIR000165399

7. Transporter 2 Company Name: Covanta Environmental Solutions Carriers II LLC — U.S. EPA ID Number: WIR000165399

8. Designated Facility Name and Site Address
Chemical Waste Management, Inc.
36964 AL Hwy 17
Emelle AL 35459 (205) 652-8037
Facility's Phone:
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-RCRA, Non-DOT Regulated Material	002 003	DM	1000	lbs	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1406679AL Non hazardous PFAS Impacted Soil CWT: N/A PO#:
9:00 a.m.

Trailer #
Emergency Response Guide
Site arrival time 9:00
Site departure time 1:10
www.covanta.com

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X DARRICK MOE — Signature: X [signature] — Month 10 Day 31 Year 23

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jon Behm — Signature: [signature] — Month 10 Day 31 Year 23

Transporter 2 Printed/Typed Name: Rodney Semrow — Signature: Rodney Semrow — Month 12 Day 13 Year 23

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

1)H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Tammy Thrash — Signature: Tammy Thrash — Month 12 Day 14 Year 23

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY'S COPY

ATTACHMENT B

WDNR Boring Logs, Abandonment Forms, Monitoring Well Construction Forms and Monitoring Well Development Forms

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: La Crosse Airport PFAS Investigation	License/Permit/Monitoring Number:	Boring Number: PZ-1
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Steven Last Name: Osesek Firm: The OS Group, LLC.	Date Drilling Started: 04/04/2023	Date Drilling Completed: 04/10/2023
	Drilling Method: Geoprobe / Hollow Stem Auger	
WI Unique Well No.: _____ DNR Well ID No.: _____ Well Name:	Final Static Water Level: 633 Feet MSL	Surface Elevation: 651 Feet MSL
Borehole Diameter: 2.25 inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E NE 1/4 of NW 1/4 of Section 18, T 16 N, R 7 W	Lat 43° 52' 2" Long 91° 15' 41"	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
Facility ID	County: La Crosse	County Code: 32
Civil Town/City/ or Village: City of La Crosse		

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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
S-1	60 / 45		5	Blind Drilled to 25' (soil descriptions taken from GP-1/MW-1 located 7' northwest) 36" - Dark brown grading to black sand & silt - 10YR 3/3 9" - Light brown, well-sorted, fine- to medium-grained sand - 10YR 3/4	SM SP									
S-2	60 / 48		10	Blind drilled to 25' (soil description taken from GP-1/MW-1 located 7' northwest) 48" - Light brown, well-sorted, fine- to medium-grained sand - 10YR 5/4	SP									
S-3	60 / 45		15	Blind drilled to 25' (soil description taken from GP-1/MW-1 located 7' northwest) 45" - Light brown, well-sorted, fine- to medium-grained sand - 10YR 4/6	SP									
S-4	60 / 36		20	Blind drilled to 25' (soil description taken from GP-1/MW-1 located 7' northwest) 36" - Light brown, well-sorted, fine- to medium-grained sand - 10YR 4/6 Saturated at approximately 18'	SP									
				Blind drilled to 25'										

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

Signature: Steven Osesek Firm: The OS Group, LLC.

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 used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			25											
S-1	60 / 18			18" - Brown, well-sorted, coarse-grained sand, saturated - 7/5 YR 4/4	SP									
			30											
S-2	60 / 35		35	32" - Brown, well-sorted, coarse-grained sand 7/5 YR 4/4 3" - Brown, well-sorted, medium- to coarse-grained sand with trace of silt 10YR 5/3	SP									
			40											
S-3	60 / 60		45	60" - Brown, well-sorted, medium- to coarse-grained sand 7/5 YR 4/3	SP									
			50	EOB - 50' bgs										

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 La Crosse Airport PFAS Investigation	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** PZ-1
Facility License, Permit or Monitoring No.	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. 43° 52' 2" Long. 91° 15' 41" or	**Wis. Unique Well No.** _____ **DNR Well ID No.** _____
Facility ID 6321480000	**St. Plane** _____ ft. N, _____ ft. E. S/C/N	**Date Well Installed** 04/10/2023 (m m / d d / y y y y)
Type of Well Well Code 12 / pz	**Section Location of Waste/Source** ☐ E. ☒ W. NE 1/4 of NW 1/4 of Sec. 18, T. 16 N, R. 7	**Well Installed By: Name (first, last) and Firm** Steven Osesek The OS Group, LLC
Distance from Waste/ Source 410 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 6 _____ ft. MSL

B. Well casing, top elevation 6 _____ ft. MSL

C. Land surface elevation 6 _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 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):
_____

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

F. Fine sand, top _____ ft. MSL or 41.0 ft.

G. Filter pack, top _____ ft. MSL or 42.0 ft.

H. Screen joint, top _____ ft. MSL or 45.0 ft.

I. Well bottom _____ ft. MSL or 50.0 ft.

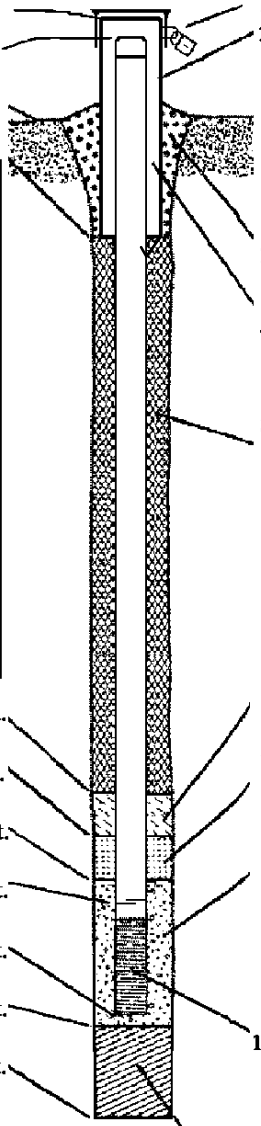
J. Filter pack, bottom _____ ft. MSL or 50.0 ft.

K. Borehole, bottom _____ ft. MSL or 50.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.37 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. 4.3 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. R.W. Disley 30/100
b. Volume added 0.1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. R. W. Sidley #5
b. Volume added 0.63 ft^3

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

10. Screen material: Schedule 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ __
_____
b. Manufacturer Johnson
c. Slot size: 0.010 in.
d. Slotted length: 5.0 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
Steven Osesek	The OS Group, LLC

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

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

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

Facility/Project Name	County Name	Well Name
La Crosse Airport PFAS Investigation	La Crosse	PZ-106

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	32	_____	___

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

2. Well development method

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

3. Time spent developing well 33 min.

4. Depth of well (from top of well casisng) 433. ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 98. gal.

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

8. Volume of water added (if any) 0.0 gal.

9. Source of water added _____

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

	Before Development	After Development
11. Depth to Water (from top of well casing) a.	11.14 ft.	10.98 ft.
Date b.	10/30/2020 (mm/dd/yyyy)	10/30/2020 (mm/dd/yyyy)
Time c.	11:47 ☒ a.m. ☐ p.m.	12:20 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___. inches	___. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____. mg/l	____. mg/l
15. COD	____. mg/l	____. mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Osesek Last Name: Steven
Firm: The OS Group, LLC

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: City of La Crosse Last Name: Director of Public Works
Facility/Firm: City of La Crosse
Street: 400 La Crosse Street
City/State/Zip: La Crosse, WI 54601

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Steven Osesek
Print Name: Steven Osesek
Firm: The OS Group, LLC

NOTE: See instructions for more information including a list of county codes and well type codes.

ATTACHMENT C
Report of Laboratory Analyses, Pace Analytical Services, LLC, August 3, 2023

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

August 03, 2023

Steve Osesek
The OS Group, LLC
N6746 McCurdy Road
Holmen, WI 54636

RE: Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Dear Steve Osesek:

Enclosed are the analytical results for sample(s) received by the laboratory on May 26, 2023. 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: John Storlie, The OS Group, LLC

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

CERTIFICATIONS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Pace Analytical Services, LLC - Minneapolis MN
1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01
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
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
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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40262763001	**MW-1**	Water	05/24/23 12:26	05/26/23 09:45
40262763002	**TRIP BLANK-2**	Water	05/24/23 13:05	05/26/23 09:45
40262763003	**MW-3**	Water	05/24/23 10:46	05/26/23 09:45
40262763004	**MW-4**	Water	05/24/23 10:10	05/26/23 09:45
40262763005	**MW-5**	Water	05/24/23 09:29	05/26/23 09:45
40262763006	**MW-6**	Water	05/22/23 10:33	05/26/23 09:45
40262763007	**MW-7**	Water	05/22/23 12:13	05/26/23 09:45
40262763008	**MW-101**	Water	05/23/23 12:21	05/26/23 09:45
40262763009	**MW-102**	Water	05/23/23 11:29	05/26/23 09:45
40262763010	**MW-103**	Water	05/23/23 11:53	05/26/23 09:45
40262763011	**MW-104**	Water	05/23/23 13:03	05/26/23 09:45
40262763012	**PZ-1**	Water	05/24/23 13:49	05/26/23 09:45
40262763013	**PZ-6**	Water	05/22/23 11:15	05/26/23 09:45
40262763014	**PZ-7**	Water	05/22/23 12:37	05/26/23 09:45
40262763015	**PZ-104**	Water	05/23/23 13:32	05/26/23 09:45
40262763016	**PZ-105**	Water	05/23/23 10:40	05/26/23 09:45
40262763017	**PZ-106**	Water	05/23/23 09:55	05/26/23 09:45
40262763018	**DUP #1**	Water	05/23/23 00:00	05/26/23 09:45
40262763019	**DUP #2**	Water	05/23/23 00:00	05/26/23 09:45
40262763020	**PRE-FILTER**	Water	05/24/23 14:39	05/26/23 09:45
40262763021	**MID-FILTER**	Water	05/24/23 14:36	05/26/23 09:45
40262763022	**POST. FILTER**	Water	05/24/23 14:34	05/26/23 09:45
40262763023	**BAGGIES**	Water	05/24/23 09:00	05/26/23 09:45
40262763024	**GLOVES**	Water	05/24/23 09:03	05/26/23 09:45
40262763025	**TRIP BLANK**	Water	05/22/23 10:15	05/26/23 09:45
40262763026	**SOIL DRUM**	Solid	05/24/23 15:25	05/26/23 09:45
40262763027	**MW-2**	Water	05/22/23 00:00	05/26/23 09:45

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

SAMPLE ANALYTE COUNT

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40262763001	**MW-1**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763002	**TRIP BLANK-2**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763003	**MW-3**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763004	**MW-4**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763005	**MW-5**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763006	**MW-6**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763007	**MW-7**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763008	**MW-101**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763009	**MW-102**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763010	**MW-103**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763011	**MW-104**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763012	**PZ-1**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763013	**PZ-6**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763014	**PZ-7**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763015	**PZ-104**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763016	**PZ-105**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763017	**PZ-106**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763018	**DUP #1**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763019	**DUP #2**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763020	**PRE-FILTER**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763021	**MID-FILTER**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763022	**POST. FILTER**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763023	**BAGGIES**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763024	**GLOVES**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763025	**TRIP BLANK**	ENV-SOP-MIN4-0178	NBH	61	PASI-M
40262763026	**SOIL DRUM**	ASTM D2974	IMB	1	PASI-M
		ENV-SOP-MIN4-0178	MJ	61	PASI-M
40262763027	**MW-2**	ENV-SOP-MIN4-0178	NBH	61	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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40262763001	**MW-1**					
ENV-SOP-MIN4-0178	6:2 FTS	1.2J	ng/L	1.9	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	8.5	ng/L	1.8	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	4.0	ng/L	2.0	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	PFBA	3.9	ng/L	2.0	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	PFHpS	23.4	ng/L	1.9	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	PFPeA	1.2J	ng/L	2.0	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	PFPeS	17.8	ng/L	1.9	07/15/23 18:43	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	223	ng/L	36.7	07/19/23 19:38	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	1170	ng/L	37.3	07/19/23 19:38	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	2.6	ng/L	2.0	07/15/23 18:43	N2
40262763003	**MW-3**					
ENV-SOP-MIN4-0178	4:2 FTS	1.3J	ng/L	1.8	07/15/23 18:36	N2
ENV-SOP-MIN4-0178	6:2 FTS	1470	ng/L	186	07/19/23 19:08	H5,N2
ENV-SOP-MIN4-0178	8:2 FTS	0.76J	ng/L	1.9	07/15/23 18:36	N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	455	ng/L	17.4	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	682	ng/L	19.6	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	PFBA	231	ng/L	19.6	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	PFHpS	329	ng/L	18.6	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	PFNS	5.7	ng/L	1.9	07/15/23 18:36	N2
ENV-SOP-MIN4-0178	PFPeA	777	ng/L	19.6	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	PFPeS	634	ng/L	18.4	07/19/23 19:01	H5,N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	160	ng/L	2.0	07/15/23 18:36	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	4390	ng/L	179	07/19/23 19:08	H5,N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	5.0	ng/L	2.0	07/15/23 18:36	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	9480	ng/L	181	07/19/23 19:08	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	551	ng/L	19.6	07/19/23 19:01	H5,N2
40262763004	**MW-4**					
ENV-SOP-MIN4-0178	6:2 FTS	6.8	ng/L	1.8	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	8:2 FTS	6.7	ng/L	1.8	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	16.6	ng/L	1.7	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	1.3J	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	93.0	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFBA	26.8	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFHpS	12.1	ng/L	1.8	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFNS	2.1	ng/L	1.8	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFOSA	1.8J	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFPeA	75.8	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	PFPeS	44.0	ng/L	1.8	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	101	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	407	ng/L	34.7	07/19/23 19:30	H5,N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	12.1	ng/L	1.9	07/15/23 18:28	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	1040	ng/L	35.2	07/19/23 19:30	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	55.1	ng/L	1.9	07/15/23 18:28	N2
40262763005	**MW-5**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	7.2	ng/L	1.7	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	0.68J	ng/L	2.0	07/15/23 18:14	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

SUMMARY OF DETECTION

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40262763005	**MW-5**					
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	1.2J	ng/L	2.0	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	PFBA	2.7	ng/L	2.0	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	PFPeA	1.2J	ng/L	2.0	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	1.0J	ng/L	2.0	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	0.71J	ng/L	1.8	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	8.5	ng/L	1.8	07/15/23 18:14	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	2.2	ng/L	2.0	07/15/23 18:14	N2
40262763006	**MW-6**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	2.8	ng/L	1.8	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	2.0	ng/L	2.0	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	PFBA	11.0	ng/L	2.0	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	PFPeA	1.6J	ng/L	2.0	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	0.83J	ng/L	2.0	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	2.0	ng/L	1.8	07/13/23 20:40	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	0.70J	ng/L	1.8	07/13/23 20:40	N2
40262763007	**MW-7**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	1.3J	ng/L	1.8	07/13/23 20:48	N2
ENV-SOP-MIN4-0178	PFBA	2.0J	ng/L	2.0	07/13/23 20:48	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	0.79J	ng/L	2.0	07/13/23 20:48	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	1.8J	ng/L	1.9	07/13/23 20:48	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	1.2J	ng/L	1.9	07/13/23 20:48	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	5.0	ng/L	2.0	07/13/23 20:48	N2
40262763008	**MW-101**					
ENV-SOP-MIN4-0178	10:2 FTS	11.3	ng/L	1.9	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	6:2 FTS	30.8	ng/L	1.9	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	8:2 FTS	884	ng/L	19.3	07/14/23 15:58	H5,N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	36.7	ng/L	1.8	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	54.7	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	238	ng/L	20.0	07/14/23 15:58	H5,N2
ENV-SOP-MIN4-0178	PFBA	39.9	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	PFDS	4.4	ng/L	1.9	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	PFHpS	63.5	ng/L	1.9	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	PFNS	65.2	ng/L	19.2	07/14/23 15:58	H5,N2
ENV-SOP-MIN4-0178	PFOSA	2.2	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	PFPeA	87.1	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	PFPeS	71.9	ng/L	1.9	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	104	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	1100	ng/L	18.2	07/14/23 15:58	H5,N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	34.2	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	10400	ng/L	185	07/14/23 16:05	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	94.8	ng/L	2.0	07/13/23 20:55	N2
ENV-SOP-MIN4-0178	Perfluoroundecanoic acid	1.1J	ng/L	2.0	07/13/23 20:55	N2
40262763009	**MW-102**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	1.1J	ng/L	1.8	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	6.6	ng/L	2.1	07/13/23 21:02	N2

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40262763009	**MW-102**					
ENV-SOP-MIN4-0178	PFBA	9.4	ng/L	2.1	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	PFPeA	4.6	ng/L	2.1	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	5.0	ng/L	2.1	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	5.8	ng/L	1.9	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	9.8	ng/L	1.9	07/13/23 21:02	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	3.7	ng/L	2.1	07/13/23 21:02	N2
40262763010	**MW-103**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	2.2	ng/L	1.8	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	13.8	ng/L	2.0	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	PFBA	6.9	ng/L	2.0	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	PFHpS	1.3J	ng/L	1.9	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	PFPeA	6.7	ng/L	2.0	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	PFPeS	2.9	ng/L	1.9	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	6.6	ng/L	2.0	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	92.1	ng/L	1.8	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	2.2	ng/L	2.0	07/13/23 21:10	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	245	ng/L	9.3	07/14/23 16:34	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	5.3	ng/L	2.0	07/13/23 21:10	N2
40262763011	**MW-104**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	0.61J	ng/L	1.8	07/13/23 21:17	N2
ENV-SOP-MIN4-0178	PFBA	3.1	ng/L	2.0	07/13/23 21:17	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	0.92J	ng/L	1.9	07/13/23 21:17	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	2.3	ng/L	1.9	07/13/23 21:17	N2
40262763012	**PZ-1**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	3.6	ng/L	1.7	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	3.6	ng/L	2.0	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	PFBA	156	ng/L	2.0	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	PFPeA	6.0	ng/L	2.0	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	PFPeS	2.7	ng/L	1.8	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	0.80J	ng/L	2.0	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	6.2	ng/L	1.8	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	12.6	ng/L	1.8	07/15/23 19:05	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	32.1	ng/L	2.0	07/15/23 19:05	N2
40262763013	**PZ-6**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	6.8	ng/L	1.8	07/13/23 21:24	N2
ENV-SOP-MIN4-0178	PFBA	17.1	ng/L	2.1	07/13/23 21:24	N2
ENV-SOP-MIN4-0178	PFPeA	1.1J	ng/L	2.1	07/13/23 21:24	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	1.5J	ng/L	1.9	07/13/23 21:24	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	5.1	ng/L	1.9	07/13/23 21:24	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	6.1	ng/L	2.1	07/13/23 21:24	N2
40262763014	**PZ-7**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	3.0	ng/L	1.7	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	2.2	ng/L	2.0	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	PFBA	102	ng/L	2.0	07/13/23 21:31	N2

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40262763014	**PZ-7**					
ENV-SOP-MIN4-0178	PFPeA	4.1	ng/L	2.0	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	PFPeS	1.8J	ng/L	1.8	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	5.0	ng/L	1.8	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	12.9	ng/L	1.8	07/13/23 21:31	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	36.9	ng/L	2.0	07/13/23 21:31	N2
40262763015	**PZ-104**					
ENV-SOP-MIN4-0178	6:2 FTS	6.3	ng/L	1.9	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	8:2 FTS	22.5	ng/L	1.9	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	5.9	ng/L	1.8	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	1.8J	ng/L	2.0	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	84.6	ng/L	2.0	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	PFBA	12.3	ng/L	2.0	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	PFHpS	12.2	ng/L	1.9	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	PFNS	8.8	ng/L	1.9	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	PFPeA	31.5	ng/L	2.0	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	PFPeS	13.5	ng/L	1.9	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	47.4	ng/L	2.0	07/13/23 21:39	M1, N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	409	ng/L	181	07/14/23 16:20	H5,M1, N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	13.1	ng/L	2.0	07/13/23 21:39	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	2130	ng/L	184	07/14/23 16:20	H5,M1, N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	30.4	ng/L	2.0	07/13/23 21:39	M1, N2
40262763016	**PZ-105**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	0.70J	ng/L	1.8	07/13/23 21:53	N2
ENV-SOP-MIN4-0178	PFBA	3.6	ng/L	2.0	07/13/23 21:53	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	0.57J	ng/L	1.8	07/13/23 21:53	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	2.3	ng/L	1.8	07/13/23 21:53	N2
40262763017	**PZ-106**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	0.53J	ng/L	1.8	07/13/23 22:08	N2
ENV-SOP-MIN4-0178	PFBA	3.9	ng/L	2.0	07/13/23 22:08	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	2.4	ng/L	1.8	07/13/23 22:08	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	1.8J	ng/L	1.9	07/13/23 22:08	N2
40262763018	**DUP #1**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	2.2	ng/L	1.8	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	13.9	ng/L	2.0	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	PFBA	7.1	ng/L	2.0	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	PFHpS	1.3J	ng/L	1.9	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	PFPeA	6.9	ng/L	2.0	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	PFPeS	3.0	ng/L	1.9	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	6.7	ng/L	2.0	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	92.2	ng/L	1.8	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	2.2	ng/L	2.0	07/13/23 22:15	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	243	ng/L	9.4	07/14/23 16:27	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	5.3	ng/L	2.0	07/13/23 22:15	N2

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SUMMARY OF DETECTION

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40262763019	**DUP #2**					
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	5.3	ng/L	1.8	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	PFBA	2.1	ng/L	2.0	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	PFPeA	0.88J	ng/L	2.0	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	0.77J	ng/L	2.0	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	0.57J	ng/L	1.8	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	7.7	ng/L	1.9	07/13/23 22:22	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	1.7J	ng/L	2.0	07/13/23 22:22	N2
40262763020	**PRE-FILTER**					
ENV-SOP-MIN4-0178	6:2 FTS	184	ng/L	1.9	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	11.5	ng/L	1.8	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	4.0	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	78.3	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	PFBA	105	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	PFHpS	8.7	ng/L	1.9	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	PFHxDA	2.2	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	PFPeA	93.1	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	PFPeS	16.4	ng/L	1.9	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	75.8	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	206	ng/L	18.4	07/19/23 19:23	H5,N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	13.7	ng/L	2.0	07/15/23 19:12	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	466	ng/L	18.7	07/19/23 19:23	H5,N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	234	ng/L	20.3	07/19/23 19:23	H5,N2
40262763021	**MID-FILTER**					
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	1.1J	ng/L	1.8	07/13/23 22:29	N2
40262763026	**SOIL DRUM**					
ASTM D2974	Percent Moisture	3.2	%	0.10	06/29/23 10:31	N2
40262763027	**MW-2**					
ENV-SOP-MIN4-0178	6:2 FTS	305	ng/L	18.7	07/14/23 16:42	H5,N2
ENV-SOP-MIN4-0178	Perfluorobutanesulfonic acid	10.9	ng/L	1.7	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluorodecanoic acid	7.3	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluorohexanoic acid	153	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	PFBA	113	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	PFHpS	2.7	ng/L	1.9	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	PFPeA	194	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	PFPeS	13.4	ng/L	1.8	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluoroheptanoic acid	152	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluorohexanesulfonic acid	218	ng/L	17.9	07/14/23 16:42	H5,N2
ENV-SOP-MIN4-0178	Perfluorononanoic acid	24.5	ng/L	2.0	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluorooctanesulfonic acid	25.9	ng/L	1.8	07/13/23 23:13	N2
ENV-SOP-MIN4-0178	Perfluorooctanoic acid	417	ng/L	19.7	07/14/23 16:42	H5,N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-1 **Lab ID: 40262763001** Collected: 05/24/23 12:26 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.93**	ng/L	1.9	0.93	1	06/20/23 14:32	07/15/23 18:43	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/20/23 14:32	07/15/23 18:43	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:43	757124-72-4	N2
6:2 FTS	**1.2J**	ng/L	1.9	0.68	1	06/20/23 14:32	07/15/23 18:43	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	1.9	0.51	1	06/20/23 14:32	07/15/23 18:43	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:43	756426-58-1	N2
ADONA	**<0.93**	ng/L	1.9	0.93	1	06/20/23 14:32	07/15/23 18:43	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/20/23 14:32	07/15/23 18:43	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/20/23 14:32	07/15/23 18:43	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/20/23 14:32	07/15/23 18:43	4151-50-2	N2
NEtFOSE	**<0.90**	ng/L	2.0	0.90	1	06/20/23 14:32	07/15/23 18:43	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/20/23 14:32	07/15/23 18:43	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/20/23 14:32	07/15/23 18:43	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/20/23 14:32	07/15/23 18:43	24448-09-7	N2
Perfluorobutanesulfonic acid	**8.5**	ng/L	1.8	0.49	1	06/20/23 14:32	07/15/23 18:43	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 18:43	335-76-2	N2
Perfluorohexanoic acid	**4.0**	ng/L	2.0	0.92	1	06/20/23 14:32	07/15/23 18:43	307-24-4	N2
PFBA	**3.9**	ng/L	2.0	0.50	1	06/20/23 14:32	07/15/23 18:43	375-22-4	N2
PFDS	**<0.65**	ng/L	1.9	0.65	1	06/20/23 14:32	07/15/23 18:43	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 18:43	79780-39-5	N2
PFHpS	**23.4**	ng/L	1.9	0.67	1	06/20/23 14:32	07/15/23 18:43	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/20/23 14:32	07/15/23 18:43	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/20/23 14:32	07/15/23 18:43	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/20/23 14:32	07/15/23 18:43	16517-11-6	N2
PFOSA	**<0.72**	ng/L	2.0	0.72	1	06/20/23 14:32	07/15/23 18:43	754-91-6	N2
PFPeA	**1.2J**	ng/L	2.0	0.83	1	06/20/23 14:32	07/15/23 18:43	2706-90-3	N2
PFPeS	**17.8**	ng/L	1.9	0.61	1	06/20/23 14:32	07/15/23 18:43	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 18:43	307-55-1	N2
Perfluoroheptanoic acid	**<0.69**	ng/L	2.0	0.69	1	06/20/23 14:32	07/15/23 18:43	375-85-9	N2
Perfluorohexanesulfonic acid	**223**	ng/L	36.7	10.7	20	06/20/23 14:32	07/19/23 19:38	355-46-4	H5,N2
Perfluorononanoic acid	**<0.80**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 18:43	375-95-1	N2
Perfluorooctanesulfonic acid	**1170**	ng/L	37.3	13.4	20	06/20/23 14:32	07/19/23 19:38	1763-23-1	H5,N2
Perfluorooctanoic acid	**2.6**	ng/L	2.0	0.87	1	06/20/23 14:32	07/15/23 18:43	335-67-1	N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 18:43	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/20/23 14:32	07/15/23 18:43	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/20/23 14:32	07/15/23 18:43	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	156	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	375-22-4	S0
13C5-PFPeA (S)	134	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	2706-90-3	
13C3-PFBS (S)	158	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	375-73-5	S0
13C24:2FTS (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
13C3HFPO-DA (S)	115	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
13C4-PFHpA (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	375-85-9	
13C3-PFHxS (S)	107	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	355-46-4	
13C26:2FTS (S)	87	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-1 **Lab ID: 40262763001** Collected: 05/24/23 12:26 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	106	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	335-67-1	
13C8-PFOS (S)	105	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	1763-23-1	
13C9-PFNA (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	375-95-1	
13C6-PFDA (S)	109	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	335-76-2	
13C28:2FTS (S)	73	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
d3-MeFOSAA (S)	63	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	2355-31-9	
13C7-PFUdA (S)	94	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	2058-94-8	
13C8-PFOSA (S)	82	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	754-91-6	
d5-EtFOSAA (S)	62	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	2991-50-6	
13C2-PFDoA (S)	85	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
d3-NMeFOSA (S)	58	%.	10-150		1	06/20/23 14:32	07/15/23 18:43	31506-32-8	
d7-NMeFOSE (S)	67	%.	10-150		1	06/20/23 14:32	07/15/23 18:43	24448-09-7	
13C2-PFTA (S)	76	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
d9-NEtFOSE (S)	56	%.	10-150		1	06/20/23 14:32	07/15/23 18:43	1691-99-2	
d5-NEtFOSA (S)	61	%.	10-150		1	06/20/23 14:32	07/15/23 18:43	4151-50-2	
13C2PFHxDA (S)	82	%.	25-150		1	06/20/23 14:32	07/15/23 18:43		
13C5-PFHxA (S)	123	%.	25-150		1	06/20/23 14:32	07/15/23 18:43	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: TRIP BLANK-2 **Lab ID: 40262763002** Collected: 05/24/23 13:05 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.88**	ng/L	1.8	0.88	1	06/20/23 14:32	07/15/23 18:57	120226-60-0	N2
11Cl-PF3OUdS	**<0.53**	ng/L	1.8	0.53	1	06/20/23 14:32	07/15/23 18:57	763051-92-9	N2
4:2 FTS	**<0.45**	ng/L	1.8	0.45	1	06/20/23 14:32	07/15/23 18:57	757124-72-4	N2
6:2 FTS	**<0.65**	ng/L	1.8	0.65	1	06/20/23 14:32	07/15/23 18:57	27619-97-2	N2
8:2 FTS	**<0.48**	ng/L	1.8	0.48	1	06/20/23 14:32	07/15/23 18:57	39108-34-4	N2
9Cl-PF3ONS	**<0.45**	ng/L	1.8	0.45	1	06/20/23 14:32	07/15/23 18:57	756426-58-1	N2
ADONA	**<0.88**	ng/L	1.8	0.88	1	06/20/23 14:32	07/15/23 18:57	919005-14-4	N2
HFPO-DA	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:57	13252-13-6	N2
NEtFOSAA	**<0.78**	ng/L	1.9	0.78	1	06/20/23 14:32	07/15/23 18:57	2991-50-6	N2
NEtFOSA	**<0.55**	ng/L	1.9	0.55	1	06/20/23 14:32	07/15/23 18:57	4151-50-2	N2
NEtFOSE	**<0.85**	ng/L	1.9	0.85	1	06/20/23 14:32	07/15/23 18:57	1691-99-2	N2
NMeFOSAA	**<0.67**	ng/L	1.9	0.67	1	06/20/23 14:32	07/15/23 18:57	2355-31-9	N2
NMeFOSA	**<0.53**	ng/L	1.9	0.53	1	06/20/23 14:32	07/15/23 18:57	31506-32-8	N2
NMeFOSE	**<0.50**	ng/L	1.9	0.50	1	06/20/23 14:32	07/15/23 18:57	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.46**	ng/L	1.7	0.46	1	06/20/23 14:32	07/15/23 18:57	375-73-5	N2
Perfluorodecanoic acid	**<0.58**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 18:57	335-76-2	N2
Perfluorohexanoic acid	**<0.87**	ng/L	1.9	0.87	1	06/20/23 14:32	07/15/23 18:57	307-24-4	N2
PFBA	**<0.48**	ng/L	1.9	0.48	1	06/20/23 14:32	07/15/23 18:57	375-22-4	N2
PFDS	**<0.61**	ng/L	1.8	0.61	1	06/20/23 14:32	07/15/23 18:57	335-77-3	N2
PFDoS	**<0.57**	ng/L	1.9	0.57	1	06/20/23 14:32	07/15/23 18:57	79780-39-5	N2
PFHpS	**<0.64**	ng/L	1.8	0.64	1	06/20/23 14:32	07/15/23 18:57	375-92-8	N2
PFHxDA	**<0.43**	ng/L	1.9	0.43	1	06/20/23 14:32	07/15/23 18:57	67905-19-5	N2
PFNS	**<0.56**	ng/L	1.8	0.56	1	06/20/23 14:32	07/15/23 18:57	68259-12-1	N2
PFODA	**<0.59**	ng/L	1.9	0.59	1	06/20/23 14:32	07/15/23 18:57	16517-11-6	N2
PFOSA	**<0.69**	ng/L	1.9	0.69	1	06/20/23 14:32	07/15/23 18:57	754-91-6	N2
PFPeA	**<0.79**	ng/L	1.9	0.79	1	06/20/23 14:32	07/15/23 18:57	2706-90-3	N2
PFPeS	**<0.58**	ng/L	1.8	0.58	1	06/20/23 14:32	07/15/23 18:57	2706-91-4	N2
Perfluorododecanoic acid	**<0.46**	ng/L	1.9	0.46	1	06/20/23 14:32	07/15/23 18:57	307-55-1	N2
Perfluoroheptanoic acid	**<0.66**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 18:57	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.51**	ng/L	1.7	0.51	1	06/20/23 14:32	07/15/23 18:57	355-46-4	N2
Perfluorononanoic acid	**<0.76**	ng/L	1.9	0.76	1	06/20/23 14:32	07/15/23 18:57	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.64**	ng/L	1.8	0.64	1	06/20/23 14:32	07/15/23 18:57	1763-23-1	N2
Perfluorooctanoic acid	**<0.82**	ng/L	1.9	0.82	1	06/20/23 14:32	07/15/23 18:57	335-67-1	N2
Perfluorotetradecanoic acid	**<0.57**	ng/L	1.9	0.57	1	06/20/23 14:32	07/15/23 18:57	376-06-7	N2
Perfluorotridecanoic acid	**<0.60**	ng/L	1.9	0.60	1	06/20/23 14:32	07/15/23 18:57	72629-94-8	N2
Perfluoroundecanoic acid	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:57	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	186	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	375-22-4	S3
13C5-PFPeA (S)	157	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	2706-90-3	S3
13C3-PFBS (S)	163	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	375-73-5	S3
13C24:2FTS (S)	86	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
13C3HFPO-DA (S)	126	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
13C4-PFHpA (S)	116	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	375-85-9	
13C3-PFHxS (S)	119	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	355-46-4	
13C26:2FTS (S)	97	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: TRIP BLANK-2 **Lab ID: 40262763002** Collected: 05/24/23 13:05 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	117	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	335-67-1	
13C8-PFOS (S)	125	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	1763-23-1	
13C9-PFNA (S)	130	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	375-95-1	
13C6-PFDA (S)	116	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	335-76-2	
13C28:2FTS (S)	78	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
d3-MeFOSAA (S)	72	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	2355-31-9	
13C7-PFUdA (S)	105	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	2058-94-8	
13C8-PFOSA (S)	98	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	754-91-6	
d5-EtFOSAA (S)	70	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	2991-50-6	
13C2-PFDoA (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
d3-NMeFOSA (S)	77	%.	10-150		1	06/20/23 14:32	07/15/23 18:57	31506-32-8	
d7-NMeFOSE (S)	78	%.	10-150		1	06/20/23 14:32	07/15/23 18:57	24448-09-7	
13C2-PFTA (S)	77	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
d9-NEtFOSE (S)	71	%.	10-150		1	06/20/23 14:32	07/15/23 18:57	1691-99-2	
d5-NEtFOSA (S)	79	%.	10-150		1	06/20/23 14:32	07/15/23 18:57	4151-50-2	
13C2PFHxDA (S)	80	%.	25-150		1	06/20/23 14:32	07/15/23 18:57		
13C5-PFHxA (S)	135	%.	25-150		1	06/20/23 14:32	07/15/23 18:57	307-24-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-3 **Lab ID: 40262763003** Collected: 05/24/23 10:46 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 18:36	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.8	0.55	1	06/20/23 14:32	07/15/23 18:36	763051-92-9	N2
4:2 FTS	**1.3J**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 18:36	757124-72-4	N2
6:2 FTS	**1470**	ng/L	186	66.2	100	06/20/23 14:32	07/19/23 19:08	27619-97-2	H5,N2
8:2 FTS	**0.76J**	ng/L	1.9	0.49	1	06/20/23 14:32	07/15/23 18:36	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 18:36	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 18:36	919005-14-4	N2
HFPO-DA	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 18:36	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 18:36	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/20/23 14:32	07/15/23 18:36	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/20/23 14:32	07/15/23 18:36	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/20/23 14:32	07/15/23 18:36	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/20/23 14:32	07/15/23 18:36	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/20/23 14:32	07/15/23 18:36	24448-09-7	N2
Perfluorobutanesulfonic acid	**455**	ng/L	17.4	4.8	10	06/20/23 14:32	07/19/23 19:01	375-73-5	H5,N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 18:36	335-76-2	N2
Perfluorohexanoic acid	**682**	ng/L	19.6	8.9	10	06/20/23 14:32	07/19/23 19:01	307-24-4	H5,N2
PFBA	**231**	ng/L	19.6	4.9	10	06/20/23 14:32	07/19/23 19:01	375-22-4	H5,N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/20/23 14:32	07/15/23 18:36	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 18:36	79780-39-5	N2
PFHpS	**329**	ng/L	18.6	6.6	10	06/20/23 14:32	07/19/23 19:01	375-92-8	H5,N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/20/23 14:32	07/15/23 18:36	67905-19-5	N2
PFNS	**5.7**	ng/L	1.9	0.57	1	06/20/23 14:32	07/15/23 18:36	68259-12-1	N2
PFODA	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 18:36	16517-11-6	N2
PFOSA	**<0.70**	ng/L	2.0	0.70	1	06/20/23 14:32	07/15/23 18:36	754-91-6	N2
PFPeA	**777**	ng/L	19.6	8.1	10	06/20/23 14:32	07/19/23 19:01	2706-90-3	H5,N2
PFPeS	**634**	ng/L	18.4	5.9	10	06/20/23 14:32	07/19/23 19:01	2706-91-4	H5,N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/20/23 14:32	07/15/23 18:36	307-55-1	N2
Perfluoroheptanoic acid	**160**	ng/L	2.0	0.68	1	06/20/23 14:32	07/15/23 18:36	375-85-9	N2
Perfluorohexanesulfonic acid	**4390**	ng/L	179	52.1	100	06/20/23 14:32	07/19/23 19:08	355-46-4	H5,N2
Perfluorononanoic acid	**5.0**	ng/L	2.0	0.78	1	06/20/23 14:32	07/15/23 18:36	375-95-1	N2
Perfluorooctanesulfonic acid	**9480**	ng/L	181	65.3	100	06/20/23 14:32	07/19/23 19:08	1763-23-1	H5,N2
Perfluorooctanoic acid	**551**	ng/L	19.6	8.4	10	06/20/23 14:32	07/19/23 19:01	335-67-1	H5,N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/20/23 14:32	07/15/23 18:36	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 18:36	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 18:36	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	143	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	375-22-4	
13C5-PFPeA (S)	112	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	2706-90-3	
13C3-PFBS (S)	145	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	375-73-5	
13C24:2FTS (S)	116	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
13C3HFPO-DA (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
13C4-PFHpA (S)	61	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	375-85-9	
13C3-PFHxS (S)	52	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	355-46-4	
13C26:2FTS (S)	81	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-3 **Lab ID: 40262763003** Collected: 05/24/23 10:46 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	67	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	335-67-1	
13C8-PFOS (S)	41	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	1763-23-1	
13C9-PFNA (S)	41	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	375-95-1	
13C6-PFDA (S)	101	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	335-76-2	
13C28:2FTS (S)	70	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
d3-MeFOSAA (S)	53	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	2355-31-9	
13C7-PFUdA (S)	82	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	2058-94-8	
13C8-PFOSA (S)	41	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	754-91-6	
d5-EtFOSAA (S)	54	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	2991-50-6	
13C2-PFDoA (S)	75	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
d3-NMeFOSA (S)	0	%.	10-150		1	06/20/23 14:32	07/15/23 18:36	31506-32-8	S0
d7-NMeFOSE (S)	11	%.	10-150		1	06/20/23 14:32	07/15/23 18:36	24448-09-7	
13C2-PFTA (S)	62	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
d9-NEtFOSE (S)	9	%.	10-150		1	06/20/23 14:32	07/15/23 18:36	1691-99-2	S0
d5-NEtFOSA (S)	1	%.	10-150		1	06/20/23 14:32	07/15/23 18:36	4151-50-2	S0
13C2PFHxDA (S)	46	%.	25-150		1	06/20/23 14:32	07/15/23 18:36		
13C5-PFHxA (S)	101	%.	25-150		1	06/20/23 14:32	07/15/23 18:36	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-4 **Lab ID: 40262763004** Collected: 05/24/23 10:10 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.87**	ng/L	1.8	0.87	1	06/20/23 14:32	07/15/23 18:28	120226-60-0	N2
11Cl-PF3OUdS	**<0.53**	ng/L	1.8	0.53	1	06/20/23 14:32	07/15/23 18:28	763051-92-9	N2
4:2 FTS	**<0.44**	ng/L	1.8	0.44	1	06/20/23 14:32	07/15/23 18:28	757124-72-4	N2
6:2 FTS	**6.8**	ng/L	1.8	0.64	1	06/20/23 14:32	07/15/23 18:28	27619-97-2	N2
8:2 FTS	**6.7**	ng/L	1.8	0.48	1	06/20/23 14:32	07/15/23 18:28	39108-34-4	N2
9Cl-PF3ONS	**<0.45**	ng/L	1.8	0.45	1	06/20/23 14:32	07/15/23 18:28	756426-58-1	N2
ADONA	**<0.87**	ng/L	1.8	0.87	1	06/20/23 14:32	07/15/23 18:28	919005-14-4	N2
HFPO-DA	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:28	13252-13-6	N2
NEtFOSAA	**<0.78**	ng/L	1.9	0.78	1	06/20/23 14:32	07/15/23 18:28	2991-50-6	N2
NEtFOSA	**<0.55**	ng/L	1.9	0.55	1	06/20/23 14:32	07/15/23 18:28	4151-50-2	N2
NEtFOSE	**<0.85**	ng/L	1.9	0.85	1	06/20/23 14:32	07/15/23 18:28	1691-99-2	N2
NMeFOSAA	**<0.66**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 18:28	2355-31-9	N2
NMeFOSA	**<0.53**	ng/L	1.9	0.53	1	06/20/23 14:32	07/15/23 18:28	31506-32-8	N2
NMeFOSE	**<0.50**	ng/L	1.9	0.50	1	06/20/23 14:32	07/15/23 18:28	24448-09-7	N2
Perfluorobutanesulfonic acid	**16.6**	ng/L	1.7	0.46	1	06/20/23 14:32	07/15/23 18:28	375-73-5	N2
Perfluorodecanoic acid	**1.3J**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 18:28	335-76-2	N2
Perfluorohexanoic acid	**93.0**	ng/L	1.9	0.87	1	06/20/23 14:32	07/15/23 18:28	307-24-4	N2
PFBA	**26.8**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 18:28	375-22-4	N2
PFDS	**<0.61**	ng/L	1.8	0.61	1	06/20/23 14:32	07/15/23 18:28	335-77-3	N2
PFDoS	**<0.56**	ng/L	1.8	0.56	1	06/20/23 14:32	07/15/23 18:28	79780-39-5	N2
PFHpS	**12.1**	ng/L	1.8	0.64	1	06/20/23 14:32	07/15/23 18:28	375-92-8	N2
PFHxDA	**<0.43**	ng/L	1.9	0.43	1	06/20/23 14:32	07/15/23 18:28	67905-19-5	N2
PFNS	**2.1**	ng/L	1.8	0.56	1	06/20/23 14:32	07/15/23 18:28	68259-12-1	N2
PFODA	**<0.59**	ng/L	1.9	0.59	1	06/20/23 14:32	07/15/23 18:28	16517-11-6	N2
PFOSA	**1.8J**	ng/L	1.9	0.68	1	06/20/23 14:32	07/15/23 18:28	754-91-6	N2
PFPeA	**75.8**	ng/L	1.9	0.78	1	06/20/23 14:32	07/15/23 18:28	2706-90-3	N2
PFPeS	**44.0**	ng/L	1.8	0.57	1	06/20/23 14:32	07/15/23 18:28	2706-91-4	N2
Perfluorododecanoic acid	**<0.46**	ng/L	1.9	0.46	1	06/20/23 14:32	07/15/23 18:28	307-55-1	N2
Perfluoroheptanoic acid	**101**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 18:28	375-85-9	N2
Perfluorohexanesulfonic acid	**407**	ng/L	34.7	10.1	20	06/20/23 14:32	07/19/23 19:30	355-46-4	H5,N2
Perfluorononanoic acid	**12.1**	ng/L	1.9	0.76	1	06/20/23 14:32	07/15/23 18:28	375-95-1	N2
Perfluorooctanesulfonic acid	**1040**	ng/L	35.2	12.7	20	06/20/23 14:32	07/19/23 19:30	1763-23-1	H5,N2
Perfluorooctanoic acid	**55.1**	ng/L	1.9	0.82	1	06/20/23 14:32	07/15/23 18:28	335-67-1	N2
Perfluorotetradecanoic acid	**<0.57**	ng/L	1.9	0.57	1	06/20/23 14:32	07/15/23 18:28	376-06-7	N2
Perfluorotridecanoic acid	**<0.59**	ng/L	1.9	0.59	1	06/20/23 14:32	07/15/23 18:28	72629-94-8	N2
Perfluoroundecanoic acid	**<0.46**	ng/L	1.9	0.46	1	06/20/23 14:32	07/15/23 18:28	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	131	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	375-22-4	
13C5-PFPeA (S)	122	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	2706-90-3	
13C3-PFBS (S)	154	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	375-73-5	S0
13C24:2FTS (S)	281	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		S0
13C3HFPO-DA (S)	94	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		
13C4-PFHpA (S)	97	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	375-85-9	
13C3-PFHxS (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	355-46-4	
13C26:2FTS (S)	176	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-4 **Lab ID: 40262763004** Collected: 05/24/23 10:10 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	335-67-1	
13C8-PFOS (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	1763-23-1	
13C9-PFNA (S)	98	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	375-95-1	
13C6-PFDA (S)	117	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	335-76-2	
13C28:2FTS (S)	112	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		
d3-MeFOSAA (S)	77	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	2355-31-9	
13C7-PFUdA (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	2058-94-8	
13C8-PFOSA (S)	81	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	754-91-6	
d5-EtFOSAA (S)	80	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	2991-50-6	
13C2-PFDoA (S)	87	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		
d3-NMeFOSA (S)	45	%.	10-150		1	06/20/23 14:32	07/15/23 18:28	31506-32-8	
d7-NMeFOSE (S)	55	%.	10-150		1	06/20/23 14:32	07/15/23 18:28	24448-09-7	
13C2-PFTA (S)	78	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		
d9-NEtFOSE (S)	51	%.	10-150		1	06/20/23 14:32	07/15/23 18:28	1691-99-2	
d5-NEtFOSA (S)	47	%.	10-150		1	06/20/23 14:32	07/15/23 18:28	4151-50-2	
13C2PFHxDA (S)	86	%.	25-150		1	06/20/23 14:32	07/15/23 18:28		
13C5-PFHxA (S)	120	%.	25-150		1	06/20/23 14:32	07/15/23 18:28	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-5 **Lab ID: 40262763005** Collected: 05/24/23 09:29 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 18:14	120226-60-0	N2
11Cl-PF3OUdS	**<0.54**	ng/L	1.8	0.54	1	06/20/23 14:32	07/15/23 18:14	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 18:14	757124-72-4	N2
6:2 FTS	**<0.66**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 18:14	27619-97-2	N2
8:2 FTS	**<0.49**	ng/L	1.9	0.49	1	06/20/23 14:32	07/15/23 18:14	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 18:14	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 18:14	919005-14-4	N2
HFPO-DA	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 18:14	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 18:14	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/20/23 14:32	07/15/23 18:14	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/20/23 14:32	07/15/23 18:14	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/20/23 14:32	07/15/23 18:14	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/20/23 14:32	07/15/23 18:14	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/20/23 14:32	07/15/23 18:14	24448-09-7	N2
Perfluorobutanesulfonic acid	**7.2**	ng/L	1.7	0.47	1	06/20/23 14:32	07/15/23 18:14	375-73-5	N2
Perfluorodecanoic acid	**0.68J**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 18:14	335-76-2	N2
Perfluorohexanoic acid	**1.2J**	ng/L	2.0	0.89	1	06/20/23 14:32	07/15/23 18:14	307-24-4	N2
PFBA	**2.7**	ng/L	2.0	0.49	1	06/20/23 14:32	07/15/23 18:14	375-22-4	N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/20/23 14:32	07/15/23 18:14	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 18:14	79780-39-5	N2
PFHpS	**<0.65**	ng/L	1.9	0.65	1	06/20/23 14:32	07/15/23 18:14	375-92-8	N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/20/23 14:32	07/15/23 18:14	67905-19-5	N2
PFNS	**<0.57**	ng/L	1.9	0.57	1	06/20/23 14:32	07/15/23 18:14	68259-12-1	N2
PFODA	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 18:14	16517-11-6	N2
PFOSA	**<0.70**	ng/L	2.0	0.70	1	06/20/23 14:32	07/15/23 18:14	754-91-6	N2
PFPeA	**1.2J**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 18:14	2706-90-3	N2
PFPeS	**<0.59**	ng/L	1.8	0.59	1	06/20/23 14:32	07/15/23 18:14	2706-91-4	N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/20/23 14:32	07/15/23 18:14	307-55-1	N2
Perfluoroheptanoic acid	**1.0J**	ng/L	2.0	0.67	1	06/20/23 14:32	07/15/23 18:14	375-85-9	N2
Perfluorohexanesulfonic acid	**0.71J**	ng/L	1.8	0.52	1	06/20/23 14:32	07/15/23 18:14	355-46-4	N2
Perfluorononanoic acid	**<0.78**	ng/L	2.0	0.78	1	06/20/23 14:32	07/15/23 18:14	375-95-1	N2
Perfluorooctanesulfonic acid	**8.5**	ng/L	1.8	0.65	1	06/20/23 14:32	07/15/23 18:14	1763-23-1	N2
Perfluorooctanoic acid	**2.2**	ng/L	2.0	0.84	1	06/20/23 14:32	07/15/23 18:14	335-67-1	N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/20/23 14:32	07/15/23 18:14	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 18:14	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 18:14	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	161	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	375-22-4	S0
13C5-PFPeA (S)	135	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	2706-90-3	
13C3-PFBS (S)	150	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	375-73-5	
13C24:2FTS (S)	118	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
13C3HFPO-DA (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
13C4-PFHpA (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	375-85-9	
13C3-PFHxS (S)	104	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	355-46-4	
13C26:2FTS (S)	113	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-5 **Lab ID: 40262763005** Collected: 05/24/23 09:29 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	105	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	335-67-1	
13C8-PFOS (S)	115	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	1763-23-1	
13C9-PFNA (S)	118	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	375-95-1	
13C6-PFDA (S)	105	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	335-76-2	
13C28:2FTS (S)	84	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
d3-MeFOSAA (S)	83	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	2355-31-9	
13C7-PFUdA (S)	101	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	2058-94-8	
13C8-PFOSA (S)	78	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	754-91-6	
d5-EtFOSAA (S)	84	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	2991-50-6	
13C2-PFDoA (S)	87	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
d3-NMeFOSA (S)	67	%.	10-150		1	06/20/23 14:32	07/15/23 18:14	31506-32-8	
d7-NMeFOSE (S)	67	%.	10-150		1	06/20/23 14:32	07/15/23 18:14	24448-09-7	
13C2-PFTA (S)	76	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
d9-NEtFOSE (S)	57	%.	10-150		1	06/20/23 14:32	07/15/23 18:14	1691-99-2	
d5-NEtFOSA (S)	70	%.	10-150		1	06/20/23 14:32	07/15/23 18:14	4151-50-2	
13C2PFHxDA (S)	82	%.	25-150		1	06/20/23 14:32	07/15/23 18:14		
13C5-PFHxA (S)	122	%.	25-150		1	06/20/23 14:32	07/15/23 18:14	307-24-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-6 **Lab ID: 40262763006** Collected: 05/22/23 10:33 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 20:40	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 20:40	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.9	0.46	1	06/15/23 17:13	07/13/23 20:40	757124-72-4	N2
6:2 FTS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 20:40	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 20:40	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.8	0.47	1	06/15/23 17:13	07/13/23 20:40	756426-58-1	N2
ADONA	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 20:40	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 20:40	13252-13-6	N2
NEtFOSAA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 20:40	2991-50-6	N2
NEtFOSA	**<0.57**	ng/L	2.0	0.57	1	06/15/23 17:13	07/13/23 20:40	4151-50-2	N2
NEtFOSE	**<0.88**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 20:40	1691-99-2	N2
NMeFOSAA	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 20:40	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 20:40	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 20:40	24448-09-7	N2
Perfluorobutanesulfonic acid	**2.8**	ng/L	1.8	0.48	1	06/15/23 17:13	07/13/23 20:40	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 20:40	335-76-2	N2
Perfluorohexanoic acid	**2.0**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 20:40	307-24-4	N2
PFBA	**11.0**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 20:40	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 20:40	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 20:40	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 20:40	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 20:40	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 20:40	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 20:40	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 20:40	754-91-6	N2
PFPeA	**1.6J**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 20:40	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 20:40	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 20:40	307-55-1	N2
Perfluoroheptanoic acid	**0.83J**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 20:40	375-85-9	N2
Perfluorohexanesulfonic acid	**2.0**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 20:40	355-46-4	N2
Perfluorononanoic acid	**<0.79**	ng/L	2.0	0.79	1	06/15/23 17:13	07/13/23 20:40	375-95-1	N2
Perfluorooctanesulfonic acid	**0.70J**	ng/L	1.8	0.66	1	06/15/23 17:13	07/13/23 20:40	1763-23-1	N2
Perfluorooctanoic acid	**<0.85**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 20:40	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 20:40	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 20:40	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 20:40	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	375-22-4	
13C5-PFPeA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	2706-90-3	S0
13C3-PFBS (S)	165	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	375-73-5	S0
13C24:2FTS (S)	178	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		S0
13C3HFPO-DA (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		
13C4-PFHpA (S)	156	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	375-85-9	S0
13C3-PFHxS (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	355-46-4	S0
13C26:2FTS (S)	181	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-6 **Lab ID: 40262763006** Collected: 05/22/23 10:33 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	165	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	335-67-1	S0
13C8-PFOS (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	1763-23-1	S0
13C9-PFNA (S)	167	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	375-95-1	S0
13C6-PFDA (S)	219	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	335-76-2	S0
13C28:2FTS (S)	308	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		S0
d3-MeFOSAA (S)	161	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	2355-31-9	S0
13C7-PFUdA (S)	187	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	2058-94-8	S0
13C8-PFOSA (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	754-91-6	
d5-EtFOSAA (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	2991-50-6	S0
13C2-PFDoA (S)	175	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		S0
d3-NMeFOSA (S)	64	%.	10-150		1	06/15/23 17:13	07/13/23 20:40	31506-32-8	
d7-NMeFOSE (S)	91	%.	10-150		1	06/15/23 17:13	07/13/23 20:40	24448-09-7	
13C2-PFTA (S)	167	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		S0
d9-NEtFOSE (S)	95	%.	10-150		1	06/15/23 17:13	07/13/23 20:40	1691-99-2	
d5-NEtFOSA (S)	60	%.	10-150		1	06/15/23 17:13	07/13/23 20:40	4151-50-2	
13C2PFHxDA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 20:40		
13C5-PFHxA (S)	159	%.	25-150		1	06/15/23 17:13	07/13/23 20:40	307-24-4	S0

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-7 **Lab ID: 40262763007** Collected: 05/22/23 12:13 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.94**	ng/L	2.0	0.94	1	06/15/23 17:13	07/13/23 20:48	120226-60-0	N2
11Cl-PF3OUdS	**<0.57**	ng/L	1.9	0.57	1	06/15/23 17:13	07/13/23 20:48	763051-92-9	N2
4:2 FTS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 20:48	757124-72-4	N2
6:2 FTS	**<0.69**	ng/L	1.9	0.69	1	06/15/23 17:13	07/13/23 20:48	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 20:48	39108-34-4	N2
9Cl-PF3ONS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 20:48	756426-58-1	N2
ADONA	**<0.94**	ng/L	1.9	0.94	1	06/15/23 17:13	07/13/23 20:48	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 20:48	13252-13-6	N2
NEtFOSAA	**<0.83**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 20:48	2991-50-6	N2
NEtFOSA	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 20:48	4151-50-2	N2
NEtFOSE	**<0.91**	ng/L	2.0	0.91	1	06/15/23 17:13	07/13/23 20:48	1691-99-2	N2
NMeFOSAA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 20:48	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 20:48	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/15/23 17:13	07/13/23 20:48	24448-09-7	N2
Perfluorobutanesulfonic acid	**1.3J**	ng/L	1.8	0.50	1	06/15/23 17:13	07/13/23 20:48	375-73-5	N2
Perfluorodecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 20:48	335-76-2	N2
Perfluorohexanoic acid	**<0.93**	ng/L	2.0	0.93	1	06/15/23 17:13	07/13/23 20:48	307-24-4	N2
PFBA	**2.0J**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 20:48	375-22-4	N2
PFDS	**<0.65**	ng/L	2.0	0.65	1	06/15/23 17:13	07/13/23 20:48	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 20:48	79780-39-5	N2
PFHpS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 20:48	375-92-8	N2
PFHxDA	**<0.46**	ng/L	2.0	0.46	1	06/15/23 17:13	07/13/23 20:48	67905-19-5	N2
PFNS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 20:48	68259-12-1	N2
PFODA	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 20:48	16517-11-6	N2
PFOSA	**<0.73**	ng/L	2.0	0.73	1	06/15/23 17:13	07/13/23 20:48	754-91-6	N2
PFPeA	**<0.84**	ng/L	2.0	0.84	1	06/15/23 17:13	07/13/23 20:48	2706-90-3	N2
PFPeS	**<0.61**	ng/L	1.9	0.61	1	06/15/23 17:13	07/13/23 20:48	2706-91-4	N2
Perfluorododecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 20:48	307-55-1	N2
Perfluoroheptanoic acid	**0.79J**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 20:48	375-85-9	N2
Perfluorohexanesulfonic acid	**1.8J**	ng/L	1.9	0.54	1	06/15/23 17:13	07/13/23 20:48	355-46-4	N2
Perfluorononanoic acid	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 20:48	375-95-1	N2
Perfluorooctanesulfonic acid	**1.2J**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 20:48	1763-23-1	N2
Perfluorooctanoic acid	**5.0**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 20:48	335-67-1	N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 20:48	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 20:48	72629-94-8	N2
Perfluoroundecanoic acid	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 20:48	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	129	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	375-22-4	
13C5-PFPeA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	2706-90-3	
13C3-PFBS (S)	153	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	375-73-5	S0
13C24:2FTS (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		
13C3HFPO-DA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		
13C4-PFHpA (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	375-85-9	
13C3-PFHxS (S)	153	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	355-46-4	S0
13C26:2FTS (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		S0

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-7 **Lab ID: 40262763007** Collected: 05/22/23 12:13 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	150	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	335-67-1	
13C8-PFOS (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	1763-23-1	
13C9-PFNA (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	375-95-1	S0
13C6-PFDA (S)	191	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	335-76-2	S0
13C28:2FTS (S)	217	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		S0
d3-MeFOSAA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	2355-31-9	
13C7-PFUdA (S)	168	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	2058-94-8	S0
13C8-PFOSA (S)	122	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	754-91-6	
d5-EtFOSAA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	2991-50-6	
13C2-PFDoA (S)	158	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		S0
d3-NMeFOSA (S)	79	%.	10-150		1	06/15/23 17:13	07/13/23 20:48	31506-32-8	
d7-NMeFOSE (S)	102	%.	10-150		1	06/15/23 17:13	07/13/23 20:48	24448-09-7	
13C2-PFTA (S)	158	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		S0
d9-NEtFOSE (S)	101	%.	10-150		1	06/15/23 17:13	07/13/23 20:48	1691-99-2	
d5-NEtFOSA (S)	81	%.	10-150		1	06/15/23 17:13	07/13/23 20:48	4151-50-2	
13C2PFHxDA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 20:48		
13C5-PFHxA (S)	145	%.	25-150		1	06/15/23 17:13	07/13/23 20:48	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-101 **Lab ID: 40262763008** Collected: 05/23/23 12:21 Received: 05/26/23 09:45 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								
10:2 FTS	**11.3**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 20:55	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 20:55	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 20:55	757124-72-4	N2
6:2 FTS	**30.8**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 20:55	27619-97-2	N2
8:2 FTS	**884**	ng/L	19.3	5.0	10	06/15/23 17:13	07/14/23 15:58	39108-34-4	H5,N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 20:55	756426-58-1	N2
ADONA	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 20:55	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 20:55	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 20:55	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 20:55	4151-50-2	N2
NEtFOSE	**<0.89**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 20:55	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 20:55	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 20:55	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 20:55	24448-09-7	N2
Perfluorobutanesulfonic acid	**36.7**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 20:55	375-73-5	N2
Perfluorodecanoic acid	**54.7**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 20:55	335-76-2	N2
Perfluorohexanoic acid	**238**	ng/L	20.0	9.1	10	06/15/23 17:13	07/14/23 15:58	307-24-4	H5,N2
PFBA	**39.9**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 20:55	375-22-4	N2
PFDS	**4.4**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 20:55	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 20:55	79780-39-5	N2
PFHpS	**63.5**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 20:55	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 20:55	67905-19-5	N2
PFNS	**65.2**	ng/L	19.2	5.9	10	06/15/23 17:13	07/14/23 15:58	68259-12-1	H5,N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 20:55	16517-11-6	N2
PFOSA	**2.2**	ng/L	2.0	0.72	1	06/15/23 17:13	07/13/23 20:55	754-91-6	N2
PFPeA	**87.1**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 20:55	2706-90-3	N2
PFPeS	**71.9**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 20:55	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 20:55	307-55-1	N2
Perfluoroheptanoic acid	**104**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 20:55	375-85-9	N2
Perfluorohexanesulfonic acid	**1100**	ng/L	18.2	5.3	10	06/15/23 17:13	07/14/23 15:58	355-46-4	H5,N2
Perfluorononanoic acid	**34.2**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 20:55	375-95-1	N2
Perfluorooctanesulfonic acid	**10400**	ng/L	185	66.7	100	06/15/23 17:13	07/14/23 16:05	1763-23-1	H5,N2
Perfluorooctanoic acid	**94.8**	ng/L	2.0	0.86	1	06/15/23 17:13	07/13/23 20:55	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 20:55	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 20:55	72629-94-8	N2
Perfluoroundecanoic acid	**1.1J**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 20:55	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	94	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	375-22-4	
13C5-PFPeA (S)	113	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	2706-90-3	
13C3-PFBS (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	375-73-5	
13C24:2FTS (S)	355	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		S0
13C3HFPO-DA (S)	104	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		
13C4-PFHpA (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	375-85-9	
13C3-PFHxS (S)	113	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	355-46-4	
13C26:2FTS (S)	530	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		S0

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-101 **Lab ID: 40262763008** Collected: 05/23/23 12:21 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	335-67-1	
13C8-PFOS (S)	38	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	1763-23-1	
13C9-PFNA (S)	30	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	375-95-1	
13C6-PFDA (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	335-76-2	S0
13C28:2FTS (S)	273	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		S0
d3-MeFOSAA (S)	113	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	2355-31-9	
13C7-PFUdA (S)	175	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	2058-94-8	S0
13C8-PFOSA (S)	111	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	754-91-6	
d5-EtFOSAA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	2991-50-6	
13C2-PFDoA (S)	168	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		S0
d3-NMeFOSA (S)	66	%.	10-150		1	06/15/23 17:13	07/13/23 20:55	31506-32-8	
d7-NMeFOSE (S)	76	%.	10-150		1	06/15/23 17:13	07/13/23 20:55	24448-09-7	
13C2-PFTA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		S0
d9-NEtFOSE (S)	78	%.	10-150		1	06/15/23 17:13	07/13/23 20:55	1691-99-2	
d5-NEtFOSA (S)	58	%.	10-150		1	06/15/23 17:13	07/13/23 20:55	4151-50-2	
13C2PFHxDA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 20:55		
13C5-PFHxA (S)	128	%.	25-150		1	06/15/23 17:13	07/13/23 20:55	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-102 **Lab ID: 40262763009** Collected: 05/23/23 11:29 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.95**	ng/L	2.0	0.95	1	06/15/23 17:13	07/13/23 21:02	120226-60-0	N2
11Cl-PF3OUdS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 21:02	763051-92-9	N2
4:2 FTS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 21:02	757124-72-4	N2
6:2 FTS	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 21:02	27619-97-2	N2
8:2 FTS	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 21:02	39108-34-4	N2
9Cl-PF3ONS	**<0.49**	ng/L	1.9	0.49	1	06/15/23 17:13	07/13/23 21:02	756426-58-1	N2
ADONA	**<0.95**	ng/L	2.0	0.95	1	06/15/23 17:13	07/13/23 21:02	919005-14-4	N2
HFPO-DA	**<0.51**	ng/L	2.1	0.51	1	06/15/23 17:13	07/13/23 21:02	13252-13-6	N2
NEtFOSAA	**<0.84**	ng/L	2.1	0.84	1	06/15/23 17:13	07/13/23 21:02	2991-50-6	N2
NEtFOSA	**<0.59**	ng/L	2.1	0.59	1	06/15/23 17:13	07/13/23 21:02	4151-50-2	N2
NEtFOSE	**<0.92**	ng/L	2.1	0.92	1	06/15/23 17:13	07/13/23 21:02	1691-99-2	N2
NMeFOSAA	**<0.72**	ng/L	2.1	0.72	1	06/15/23 17:13	07/13/23 21:02	2355-31-9	N2
NMeFOSA	**<0.57**	ng/L	2.1	0.57	1	06/15/23 17:13	07/13/23 21:02	31506-32-8	N2
NMeFOSE	**<0.54**	ng/L	2.1	0.54	1	06/15/23 17:13	07/13/23 21:02	24448-09-7	N2
Perfluorobutanesulfonic acid	**1.1J**	ng/L	1.8	0.50	1	06/15/23 17:13	07/13/23 21:02	375-73-5	N2
Perfluorodecanoic acid	**<0.63**	ng/L	2.1	0.63	1	06/15/23 17:13	07/13/23 21:02	335-76-2	N2
Perfluorohexanoic acid	**6.6**	ng/L	2.1	0.94	1	06/15/23 17:13	07/13/23 21:02	307-24-4	N2
PFBA	**9.4**	ng/L	2.1	0.52	1	06/15/23 17:13	07/13/23 21:02	375-22-4	N2
PFDS	**<0.66**	ng/L	2.0	0.66	1	06/15/23 17:13	07/13/23 21:02	335-77-3	N2
PFDoS	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:02	79780-39-5	N2
PFHpS	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 21:02	375-92-8	N2
PFHxDA	**<0.47**	ng/L	2.1	0.47	1	06/15/23 17:13	07/13/23 21:02	67905-19-5	N2
PFNS	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:02	68259-12-1	N2
PFODA	**<0.64**	ng/L	2.1	0.64	1	06/15/23 17:13	07/13/23 21:02	16517-11-6	N2
PFOSA	**<0.74**	ng/L	2.1	0.74	1	06/15/23 17:13	07/13/23 21:02	754-91-6	N2
PFPeA	**4.6**	ng/L	2.1	0.85	1	06/15/23 17:13	07/13/23 21:02	2706-90-3	N2
PFPeS	**<0.62**	ng/L	1.9	0.62	1	06/15/23 17:13	07/13/23 21:02	2706-91-4	N2
Perfluorododecanoic acid	**<0.50**	ng/L	2.1	0.50	1	06/15/23 17:13	07/13/23 21:02	307-55-1	N2
Perfluoroheptanoic acid	**5.0**	ng/L	2.1	0.71	1	06/15/23 17:13	07/13/23 21:02	375-85-9	N2
Perfluorohexanesulfonic acid	**5.8**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 21:02	355-46-4	N2
Perfluorononanoic acid	**<0.82**	ng/L	2.1	0.82	1	06/15/23 17:13	07/13/23 21:02	375-95-1	N2
Perfluorooctanesulfonic acid	**9.8**	ng/L	1.9	0.69	1	06/15/23 17:13	07/13/23 21:02	1763-23-1	N2
Perfluorooctanoic acid	**3.7**	ng/L	2.1	0.89	1	06/15/23 17:13	07/13/23 21:02	335-67-1	N2
Perfluorotetradecanoic acid	**<0.62**	ng/L	2.1	0.62	1	06/15/23 17:13	07/13/23 21:02	376-06-7	N2
Perfluorotridecanoic acid	**<0.64**	ng/L	2.1	0.64	1	06/15/23 17:13	07/13/23 21:02	72629-94-8	N2
Perfluoroundecanoic acid	**<0.50**	ng/L	2.1	0.50	1	06/15/23 17:13	07/13/23 21:02	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	113	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	375-22-4	
13C5-PFPeA (S)	118	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	2706-90-3	
13C3-PFBS (S)	124	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	375-73-5	
13C24:2FTS (S)	106	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		
13C3HFPO-DA (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		
13C4-PFHpA (S)	119	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	375-85-9	
13C3-PFHxS (S)	125	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	355-46-4	
13C26:2FTS (S)	112	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-102 **Lab ID: 40262763009** Collected: 05/23/23 11:29 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	120	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	335-67-1	
13C8-PFOS (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	1763-23-1	
13C9-PFNA (S)	119	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	375-95-1	
13C6-PFDA (S)	166	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	335-76-2	S0
13C28:2FTS (S)	254	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		S0
d3-MeFOSAA (S)	101	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	2355-31-9	
13C7-PFUdA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	2058-94-8	
13C8-PFOSA (S)	80	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	754-91-6	
d5-EtFOSAA (S)	96	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	2991-50-6	
13C2-PFDoA (S)	119	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		
d3-NMeFOSA (S)	0	%.	10-150		1	06/15/23 17:13	07/13/23 21:02	31506-32-8	S0
d7-NMeFOSE (S)	34	%.	10-150		1	06/15/23 17:13	07/13/23 21:02	24448-09-7	
13C2-PFTA (S)	84	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		
d9-NEtFOSE (S)	29	%.	10-150		1	06/15/23 17:13	07/13/23 21:02	1691-99-2	
d5-NEtFOSA (S)	1	%.	10-150		1	06/15/23 17:13	07/13/23 21:02	4151-50-2	S0
13C2PFHxDA (S)	18	%.	25-150		1	06/15/23 17:13	07/13/23 21:02		S0
13C5-PFHxA (S)	121	%.	25-150		1	06/15/23 17:13	07/13/23 21:02	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-103 **Lab ID: 40262763010** Collected: 05/23/23 11:53 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 21:10	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 21:10	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 21:10	757124-72-4	N2
6:2 FTS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 21:10	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	1.9	0.51	1	06/15/23 17:13	07/13/23 21:10	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 21:10	756426-58-1	N2
ADONA	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 21:10	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 21:10	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 21:10	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 21:10	4151-50-2	N2
NEtFOSE	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 21:10	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 21:10	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 21:10	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 21:10	24448-09-7	N2
Perfluorobutanesulfonic acid	**2.2**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 21:10	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:10	335-76-2	N2
Perfluorohexanoic acid	**13.8**	ng/L	2.0	0.92	1	06/15/23 17:13	07/13/23 21:10	307-24-4	N2
PFBA	**6.9**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 21:10	375-22-4	N2
PFDS	**<0.65**	ng/L	1.9	0.65	1	06/15/23 17:13	07/13/23 21:10	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:10	79780-39-5	N2
PFHpS	**1.3J**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 21:10	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 21:10	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 21:10	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 21:10	16517-11-6	N2
PFOSA	**<0.72**	ng/L	2.0	0.72	1	06/15/23 17:13	07/13/23 21:10	754-91-6	N2
PFPeA	**6.7**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 21:10	2706-90-3	N2
PFPeS	**2.9**	ng/L	1.9	0.61	1	06/15/23 17:13	07/13/23 21:10	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:10	307-55-1	N2
Perfluoroheptanoic acid	**6.6**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 21:10	375-85-9	N2
Perfluorohexanesulfonic acid	**92.1**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 21:10	355-46-4	N2
Perfluorononanoic acid	**2.2**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 21:10	375-95-1	N2
Perfluorooctanesulfonic acid	**245**	ng/L	9.3	3.4	5	06/15/23 17:13	07/14/23 16:34	1763-23-1	H5,N2
Perfluorooctanoic acid	**5.3**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 21:10	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:10	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 21:10	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:10	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	120	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	375-22-4	
13C5-PFPeA (S)	130	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	2706-90-3	
13C3-PFBS (S)	142	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	375-73-5	
13C24:2FTS (S)	112	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		
13C3HFPO-DA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		
13C4-PFHpA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	375-85-9	
13C3-PFHxS (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	355-46-4	
13C26:2FTS (S)	121	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-103 **Lab ID: 40262763010** Collected: 05/23/23 11:53 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	335-67-1	
13C8-PFOS (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	1763-23-1	
13C9-PFNA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	375-95-1	
13C6-PFDA (S)	188	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	335-76-2	S0
13C28:2FTS (S)	239	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		S0
d3-MeFOSAA (S)	122	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	2355-31-9	
13C7-PFUdA (S)	153	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	2058-94-8	S0
13C8-PFOSA (S)	111	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	754-91-6	
d5-EtFOSAA (S)	125	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	2991-50-6	
13C2-PFDoA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		
d3-NMeFOSA (S)	74	%.	10-150		1	06/15/23 17:13	07/13/23 21:10	31506-32-8	
d7-NMeFOSE (S)	90	%.	10-150		1	06/15/23 17:13	07/13/23 21:10	24448-09-7	
13C2-PFTA (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		
d9-NEtFOSE (S)	91	%.	10-150		1	06/15/23 17:13	07/13/23 21:10	1691-99-2	
d5-NEtFOSA (S)	78	%.	10-150		1	06/15/23 17:13	07/13/23 21:10	4151-50-2	
13C2PFHxDA (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 21:10		
13C5-PFHxA (S)	135	%.	25-150		1	06/15/23 17:13	07/13/23 21:10	307-24-4	

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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-104 **Lab ID: 40262763011** Collected: 05/23/23 13:03 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.94**	ng/L	2.0	0.94	1	06/15/23 17:13	07/13/23 21:17	120226-60-0	N2
11Cl-PF3OUdS	**<0.57**	ng/L	1.9	0.57	1	06/15/23 17:13	07/13/23 21:17	763051-92-9	N2
4:2 FTS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 21:17	757124-72-4	N2
6:2 FTS	**<0.69**	ng/L	1.9	0.69	1	06/15/23 17:13	07/13/23 21:17	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 21:17	39108-34-4	N2
9Cl-PF3ONS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 21:17	756426-58-1	N2
ADONA	**<0.94**	ng/L	1.9	0.94	1	06/15/23 17:13	07/13/23 21:17	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 21:17	13252-13-6	N2
NEtFOSAA	**<0.83**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 21:17	2991-50-6	N2
NEtFOSA	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 21:17	4151-50-2	N2
NEtFOSE	**<0.91**	ng/L	2.0	0.91	1	06/15/23 17:13	07/13/23 21:17	1691-99-2	N2
NMeFOSAA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 21:17	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 21:17	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/15/23 17:13	07/13/23 21:17	24448-09-7	N2
Perfluorobutanesulfonic acid	**0.61J**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 21:17	375-73-5	N2
Perfluorodecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 21:17	335-76-2	N2
Perfluorohexanoic acid	**<0.93**	ng/L	2.0	0.93	1	06/15/23 17:13	07/13/23 21:17	307-24-4	N2
PFBA	**3.1**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 21:17	375-22-4	N2
PFDS	**<0.65**	ng/L	2.0	0.65	1	06/15/23 17:13	07/13/23 21:17	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:17	79780-39-5	N2
PFHpS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 21:17	375-92-8	N2
PFHxDA	**<0.46**	ng/L	2.0	0.46	1	06/15/23 17:13	07/13/23 21:17	67905-19-5	N2
PFNS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:17	68259-12-1	N2
PFODA	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 21:17	16517-11-6	N2
PFOSA	**<0.73**	ng/L	2.0	0.73	1	06/15/23 17:13	07/13/23 21:17	754-91-6	N2
PFPeA	**<0.84**	ng/L	2.0	0.84	1	06/15/23 17:13	07/13/23 21:17	2706-90-3	N2
PFPeS	**<0.61**	ng/L	1.9	0.61	1	06/15/23 17:13	07/13/23 21:17	2706-91-4	N2
Perfluorododecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:17	307-55-1	N2
Perfluoroheptanoic acid	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 21:17	375-85-9	N2
Perfluorohexanesulfonic acid	**0.92J**	ng/L	1.9	0.54	1	06/15/23 17:13	07/13/23 21:17	355-46-4	N2
Perfluorononanoic acid	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 21:17	375-95-1	N2
Perfluorooctanesulfonic acid	**2.3**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 21:17	1763-23-1	N2
Perfluorooctanoic acid	**<0.88**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 21:17	335-67-1	N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:17	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 21:17	72629-94-8	N2
Perfluoroundecanoic acid	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 21:17	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	121	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	375-22-4	
13C5-PFPeA (S)	132	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	2706-90-3	
13C3-PFBS (S)	144	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	375-73-5	
13C24:2FTS (S)	107	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		
13C3HFPO-DA (S)	128	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		
13C4-PFHpA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	375-85-9	
13C3-PFHxS (S)	148	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	355-46-4	
13C26:2FTS (S)	115	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-104 **Lab ID: 40262763011** Collected: 05/23/23 13:03 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	141	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	335-67-1	
13C8-PFOS (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	1763-23-1	
13C9-PFNA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	375-95-1	
13C6-PFDA (S)	187	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	335-76-2	S0
13C28:2FTS (S)	203	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		S0
d3-MeFOSAA (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	2355-31-9	
13C7-PFUdA (S)	159	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	2058-94-8	S0
13C8-PFOSA (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	754-91-6	
d5-EtFOSAA (S)	128	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	2991-50-6	
13C2-PFDoA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		
d3-NMeFOSA (S)	71	%.	10-150		1	06/15/23 17:13	07/13/23 21:17	31506-32-8	
d7-NMeFOSE (S)	89	%.	10-150		1	06/15/23 17:13	07/13/23 21:17	24448-09-7	
13C2-PFTA (S)	156	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		S0
d9-NEtFOSE (S)	87	%.	10-150		1	06/15/23 17:13	07/13/23 21:17	1691-99-2	
d5-NEtFOSA (S)	71	%.	10-150		1	06/15/23 17:13	07/13/23 21:17	4151-50-2	
13C2PFHxDA (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 21:17		
13C5-PFHxA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 21:17	307-24-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-1 **Lab ID: 40262763012** Collected: 05/24/23 13:49 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 19:05	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.8	0.55	1	06/20/23 14:32	07/15/23 19:05	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 19:05	757124-72-4	N2
6:2 FTS	**<0.66**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 19:05	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/20/23 14:32	07/15/23 19:05	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/20/23 14:32	07/15/23 19:05	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/20/23 14:32	07/15/23 19:05	919005-14-4	N2
HFPO-DA	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 19:05	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 19:05	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/20/23 14:32	07/15/23 19:05	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/20/23 14:32	07/15/23 19:05	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/20/23 14:32	07/15/23 19:05	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/20/23 14:32	07/15/23 19:05	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/20/23 14:32	07/15/23 19:05	24448-09-7	N2
Perfluorobutanesulfonic acid	**3.6**	ng/L	1.7	0.48	1	06/20/23 14:32	07/15/23 19:05	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 19:05	335-76-2	N2
Perfluorohexanoic acid	**3.6**	ng/L	2.0	0.90	1	06/20/23 14:32	07/15/23 19:05	307-24-4	N2
PFBA	**156**	ng/L	2.0	0.49	1	06/20/23 14:32	07/15/23 19:05	375-22-4	N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/20/23 14:32	07/15/23 19:05	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 19:05	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/20/23 14:32	07/15/23 19:05	375-92-8	N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/20/23 14:32	07/15/23 19:05	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/20/23 14:32	07/15/23 19:05	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 19:05	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/20/23 14:32	07/15/23 19:05	754-91-6	N2
PFPeA	**6.0**	ng/L	2.0	0.81	1	06/20/23 14:32	07/15/23 19:05	2706-90-3	N2
PFPeS	**2.7**	ng/L	1.8	0.59	1	06/20/23 14:32	07/15/23 19:05	2706-91-4	N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/20/23 14:32	07/15/23 19:05	307-55-1	N2
Perfluoroheptanoic acid	**0.80J**	ng/L	2.0	0.68	1	06/20/23 14:32	07/15/23 19:05	375-85-9	N2
Perfluorohexanesulfonic acid	**6.2**	ng/L	1.8	0.52	1	06/20/23 14:32	07/15/23 19:05	355-46-4	N2
Perfluorononanoic acid	**<0.78**	ng/L	2.0	0.78	1	06/20/23 14:32	07/15/23 19:05	375-95-1	N2
Perfluorooctanesulfonic acid	**12.6**	ng/L	1.8	0.66	1	06/20/23 14:32	07/15/23 19:05	1763-23-1	N2
Perfluorooctanoic acid	**32.1**	ng/L	2.0	0.85	1	06/20/23 14:32	07/15/23 19:05	335-67-1	N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/20/23 14:32	07/15/23 19:05	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 19:05	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/20/23 14:32	07/15/23 19:05	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	173	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	375-22-4	S0
13C5-PFPeA (S)	149	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	2706-90-3	
13C3-PFBS (S)	179	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	375-73-5	S0
13C24:2FTS (S)	134	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
13C3HFPO-DA (S)	121	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
13C4-PFHpA (S)	119	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	375-85-9	
13C3-PFHxS (S)	123	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	355-46-4	
13C26:2FTS (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-1 **Lab ID: 40262763012** Collected: 05/24/23 13:49 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	119	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	335-67-1	
13C8-PFOS (S)	135	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	1763-23-1	
13C9-PFNA (S)	137	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	375-95-1	
13C6-PFDA (S)	119	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	335-76-2	
13C28:2FTS (S)	92	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
d3-MeFOSAA (S)	62	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	2355-31-9	
13C7-PFUdA (S)	97	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	2058-94-8	
13C8-PFOSA (S)	83	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	754-91-6	
d5-EtFOSAA (S)	66	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	2991-50-6	
13C2-PFDoA (S)	84	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
d3-NMeFOSA (S)	64	%.	10-150		1	06/20/23 14:32	07/15/23 19:05	31506-32-8	
d7-NMeFOSE (S)	53	%.	10-150		1	06/20/23 14:32	07/15/23 19:05	24448-09-7	
13C2-PFTA (S)	73	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
d9-NEtFOSE (S)	43	%.	10-150		1	06/20/23 14:32	07/15/23 19:05	1691-99-2	
d5-NEtFOSA (S)	68	%.	10-150		1	06/20/23 14:32	07/15/23 19:05	4151-50-2	
13C2PFHxDA (S)	90	%.	25-150		1	06/20/23 14:32	07/15/23 19:05		
13C5-PFHxA (S)	137	%.	25-150		1	06/20/23 14:32	07/15/23 19:05	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-6 **Lab ID: 40262763013** Collected: 05/22/23 11:15 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.94**	ng/L	2.0	0.94	1	06/15/23 17:13	07/13/23 21:24	120226-60-0	N2
11Cl-PF3OUdS	**<0.57**	ng/L	1.9	0.57	1	06/15/23 17:13	07/13/23 21:24	763051-92-9	N2
4:2 FTS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 21:24	757124-72-4	N2
6:2 FTS	**<0.69**	ng/L	1.9	0.69	1	06/15/23 17:13	07/13/23 21:24	27619-97-2	N2
8:2 FTS	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 21:24	39108-34-4	N2
9Cl-PF3ONS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 21:24	756426-58-1	N2
ADONA	**<0.94**	ng/L	1.9	0.94	1	06/15/23 17:13	07/13/23 21:24	919005-14-4	N2
HFPO-DA	**<0.51**	ng/L	2.1	0.51	1	06/15/23 17:13	07/13/23 21:24	13252-13-6	N2
NEtFOSAA	**<0.84**	ng/L	2.1	0.84	1	06/15/23 17:13	07/13/23 21:24	2991-50-6	N2
NEtFOSA	**<0.59**	ng/L	2.1	0.59	1	06/15/23 17:13	07/13/23 21:24	4151-50-2	N2
NEtFOSE	**<0.91**	ng/L	2.1	0.91	1	06/15/23 17:13	07/13/23 21:24	1691-99-2	N2
NMeFOSAA	**<0.71**	ng/L	2.1	0.71	1	06/15/23 17:13	07/13/23 21:24	2355-31-9	N2
NMeFOSA	**<0.57**	ng/L	2.1	0.57	1	06/15/23 17:13	07/13/23 21:24	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.1	0.53	1	06/15/23 17:13	07/13/23 21:24	24448-09-7	N2
Perfluorobutanesulfonic acid	**6.8**	ng/L	1.8	0.50	1	06/15/23 17:13	07/13/23 21:24	375-73-5	N2
Perfluorodecanoic acid	**<0.62**	ng/L	2.1	0.62	1	06/15/23 17:13	07/13/23 21:24	335-76-2	N2
Perfluorohexanoic acid	**<0.93**	ng/L	2.1	0.93	1	06/15/23 17:13	07/13/23 21:24	307-24-4	N2
PFBA	**17.1**	ng/L	2.1	0.51	1	06/15/23 17:13	07/13/23 21:24	375-22-4	N2
PFDS	**<0.66**	ng/L	2.0	0.66	1	06/15/23 17:13	07/13/23 21:24	335-77-3	N2
PFDoS	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:24	79780-39-5	N2
PFHpS	**<0.69**	ng/L	1.9	0.69	1	06/15/23 17:13	07/13/23 21:24	375-92-8	N2
PFHxDA	**<0.46**	ng/L	2.1	0.46	1	06/15/23 17:13	07/13/23 21:24	67905-19-5	N2
PFNS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:24	68259-12-1	N2
PFODA	**<0.63**	ng/L	2.1	0.63	1	06/15/23 17:13	07/13/23 21:24	16517-11-6	N2
PFOSA	**<0.74**	ng/L	2.1	0.74	1	06/15/23 17:13	07/13/23 21:24	754-91-6	N2
PFPeA	**1.1J**	ng/L	2.1	0.84	1	06/15/23 17:13	07/13/23 21:24	2706-90-3	N2
PFPeS	**<0.62**	ng/L	1.9	0.62	1	06/15/23 17:13	07/13/23 21:24	2706-91-4	N2
Perfluorododecanoic acid	**<0.49**	ng/L	2.1	0.49	1	06/15/23 17:13	07/13/23 21:24	307-55-1	N2
Perfluoroheptanoic acid	**<0.71**	ng/L	2.1	0.71	1	06/15/23 17:13	07/13/23 21:24	375-85-9	N2
Perfluorohexanesulfonic acid	**1.5J**	ng/L	1.9	0.54	1	06/15/23 17:13	07/13/23 21:24	355-46-4	N2
Perfluorononanoic acid	**<0.81**	ng/L	2.1	0.81	1	06/15/23 17:13	07/13/23 21:24	375-95-1	N2
Perfluorooctanesulfonic acid	**5.1**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 21:24	1763-23-1	N2
Perfluorooctanoic acid	**6.1**	ng/L	2.1	0.88	1	06/15/23 17:13	07/13/23 21:24	335-67-1	N2
Perfluorotetradecanoic acid	**<0.62**	ng/L	2.1	0.62	1	06/15/23 17:13	07/13/23 21:24	376-06-7	N2
Perfluorotridecanoic acid	**<0.64**	ng/L	2.1	0.64	1	06/15/23 17:13	07/13/23 21:24	72629-94-8	N2
Perfluoroundecanoic acid	**<0.50**	ng/L	2.1	0.50	1	06/15/23 17:13	07/13/23 21:24	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	80	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	375-22-4	
13C5-PFPeA (S)	83	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	2706-90-3	
13C3-PFBS (S)	85	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	375-73-5	
13C24:2FTS (S)	73	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		
13C3HFPO-DA (S)	80	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		
13C4-PFHpA (S)	83	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	375-85-9	
13C3-PFHxS (S)	88	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	355-46-4	
13C26:2FTS (S)	84	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-6 **Lab ID: 40262763013** Collected: 05/22/23 11:15 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	87	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	335-67-1	
13C8-PFOS (S)	83	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	1763-23-1	
13C9-PFNA (S)	80	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	375-95-1	
13C6-PFDA (S)	116	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	335-76-2	
13C28:2FTS (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		S0
d3-MeFOSAA (S)	79	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	2355-31-9	
13C7-PFUdA (S)	92	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	2058-94-8	
13C8-PFOSA (S)	45	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	754-91-6	
d5-EtFOSAA (S)	81	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	2991-50-6	
13C2-PFDoA (S)	86	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		
d3-NMeFOSA (S)	0	%.	10-150		1	06/15/23 17:13	07/13/23 21:24	31506-32-8	S0
d7-NMeFOSE (S)	19	%.	10-150		1	06/15/23 17:13	07/13/23 21:24	24448-09-7	
13C2-PFTA (S)	78	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		
d9-NEtFOSE (S)	17	%.	10-150		1	06/15/23 17:13	07/13/23 21:24	1691-99-2	
d5-NEtFOSA (S)	0	%.	10-150		1	06/15/23 17:13	07/13/23 21:24	4151-50-2	S0
13C2PFHxDA (S)	53	%.	25-150		1	06/15/23 17:13	07/13/23 21:24		
13C5-PFHxA (S)	85	%.	25-150		1	06/15/23 17:13	07/13/23 21:24	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-7 **Lab ID: 40262763014** Collected: 05/22/23 12:37 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 21:31	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.8	0.55	1	06/15/23 17:13	07/13/23 21:31	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 21:31	757124-72-4	N2
6:2 FTS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 21:31	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 21:31	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 21:31	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 21:31	919005-14-4	N2
HFPO-DA	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:31	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 21:31	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 21:31	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 21:31	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 21:31	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/15/23 17:13	07/13/23 21:31	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 21:31	24448-09-7	N2
Perfluorobutanesulfonic acid	**3.0**	ng/L	1.7	0.48	1	06/15/23 17:13	07/13/23 21:31	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:31	335-76-2	N2
Perfluorohexanoic acid	**2.2**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 21:31	307-24-4	N2
PFBA	**102**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:31	375-22-4	N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/15/23 17:13	07/13/23 21:31	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 21:31	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 21:31	375-92-8	N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/15/23 17:13	07/13/23 21:31	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 21:31	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:31	16517-11-6	N2
PFOSA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 21:31	754-91-6	N2
PFPeA	**4.1**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 21:31	2706-90-3	N2
PFPeS	**1.8J**	ng/L	1.8	0.59	1	06/15/23 17:13	07/13/23 21:31	2706-91-4	N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/15/23 17:13	07/13/23 21:31	307-55-1	N2
Perfluoroheptanoic acid	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 21:31	375-85-9	N2
Perfluorohexanesulfonic acid	**5.0**	ng/L	1.8	0.52	1	06/15/23 17:13	07/13/23 21:31	355-46-4	N2
Perfluorononanoic acid	**<0.78**	ng/L	2.0	0.78	1	06/15/23 17:13	07/13/23 21:31	375-95-1	N2
Perfluorooctanesulfonic acid	**12.9**	ng/L	1.8	0.65	1	06/15/23 17:13	07/13/23 21:31	1763-23-1	N2
Perfluorooctanoic acid	**36.9**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 21:31	335-67-1	N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 21:31	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:31	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:31	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	124	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	375-22-4	
13C5-PFPeA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	2706-90-3	
13C3-PFBS (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	375-73-5	
13C24:2FTS (S)	131	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		
13C3HFPO-DA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		
13C4-PFHpA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	375-85-9	
13C3-PFHxS (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	355-46-4	
13C26:2FTS (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		S0

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-7 **Lab ID: 40262763014** Collected: 05/22/23 12:37 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	145	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	335-67-1	
13C8-PFOS (S)	134	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	1763-23-1	
13C9-PFNA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	375-95-1	
13C6-PFDA (S)	188	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	335-76-2	S0
13C28:2FTS (S)	241	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		S0
d3-MeFOSAA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	2355-31-9	
13C7-PFUdA (S)	160	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	2058-94-8	S0
13C8-PFOSA (S)	113	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	754-91-6	
d5-EtFOSAA (S)	142	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	2991-50-6	
13C2-PFDoA (S)	160	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		S0
d3-NMeFOSA (S)	62	%.	10-150		1	06/15/23 17:13	07/13/23 21:31	31506-32-8	
d7-NMeFOSE (S)	83	%.	10-150		1	06/15/23 17:13	07/13/23 21:31	24448-09-7	
13C2-PFTA (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		S0
d9-NEtFOSE (S)	91	%.	10-150		1	06/15/23 17:13	07/13/23 21:31	1691-99-2	
d5-NEtFOSA (S)	63	%.	10-150		1	06/15/23 17:13	07/13/23 21:31	4151-50-2	
13C2PFHxDA (S)	134	%.	25-150		1	06/15/23 17:13	07/13/23 21:31		
13C5-PFHxA (S)	141	%.	25-150		1	06/15/23 17:13	07/13/23 21:31	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-104 **Lab ID: 40262763015** Collected: 05/23/23 13:32 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 21:39	120226-60-0	M1,N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 21:39	763051-92-9	M1,N2
4:2 FTS	**<0.46**	ng/L	1.9	0.46	1	06/15/23 17:13	07/13/23 21:39	757124-72-4	N2
6:2 FTS	**6.3**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 21:39	27619-97-2	N2
8:2 FTS	**22.5**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 21:39	39108-34-4	M1,N2
9Cl-PF3ONS	**<0.47**	ng/L	1.8	0.47	1	06/15/23 17:13	07/13/23 21:39	756426-58-1	M1,N2
ADONA	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 21:39	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:39	13252-13-6	N2
NEtFOSAA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 21:39	2991-50-6	N2
NEtFOSA	**<0.57**	ng/L	2.0	0.57	1	06/15/23 17:13	07/13/23 21:39	4151-50-2	M1,N2
NEtFOSE	**<0.88**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 21:39	1691-99-2	N2
NMeFOSAA	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 21:39	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 21:39	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 21:39	24448-09-7	N2
Perfluorobutanesulfonic acid	**5.9**	ng/L	1.8	0.48	1	06/15/23 17:13	07/13/23 21:39	375-73-5	N2
Perfluorodecanoic acid	**1.8J**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:39	335-76-2	N2
Perfluorohexanoic acid	**84.6**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 21:39	307-24-4	M1,N2
PFBA	**12.3**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:39	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 21:39	335-77-3	M1,N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 21:39	79780-39-5	M1,N2
PFHpS	**12.2**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 21:39	375-92-8	M1,N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 21:39	67905-19-5	N2
PFNS	**8.8**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 21:39	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:39	16517-11-6	M1,N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 21:39	754-91-6	N2
PFPeA	**31.5**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 21:39	2706-90-3	M1,N2
PFPeS	**13.5**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 21:39	2706-91-4	M1,N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:39	307-55-1	N2
Perfluoroheptanoic acid	**47.4**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 21:39	375-85-9	M1,N2
Perfluorohexanesulfonic acid	**409**	ng/L	181	52.7	100	06/15/23 17:13	07/14/23 16:20	355-46-4	H5,M1, N2
Perfluorononanoic acid	**13.1**	ng/L	2.0	0.79	1	06/15/23 17:13	07/13/23 21:39	375-95-1	N2
Perfluorooctanesulfonic acid	**2130**	ng/L	184	66.1	100	06/15/23 17:13	07/14/23 16:20	1763-23-1	H5,M1, N2
Perfluorooctanoic acid	**30.4**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 21:39	335-67-1	M1,N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:39	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 21:39	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:39	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	137	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	375-22-4	
13C5-PFPeA (S)	148	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	2706-90-3	
13C3-PFBS (S)	163	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	375-73-5	S0
13C24:2FTS (S)	142	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		
13C3HFPO-DA (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		
13C4-PFHpA (S)	145	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	375-85-9	
13C3-PFHxS (S)	135	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	355-46-4	

REPORT OF LABORATORY ANALYSIS

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

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-104 **Lab ID: 40262763015** Collected: 05/23/23 13:32 Received: 05/26/23 09:45 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									
13C26:2FTS (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		S0
13C8-PFOA (S)	158	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	335-67-1	S0
13C8-PFOS (S)	79	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	1763-23-1	
13C9-PFNA (S)	85	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	375-95-1	
13C6-PFDA (S)	205	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	335-76-2	S0
13C28:2FTS (S)	279	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		S0
d3-MeFOSAA (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	2355-31-9	S0
13C7-PFUdA (S)	180	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	2058-94-8	S0
13C8-PFOSA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	754-91-6	
d5-EtFOSAA (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	2991-50-6	S0
13C2-PFDoA (S)	180	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		S0
d3-NMeFOSA (S)	90	%.	10-150		1	06/15/23 17:13	07/13/23 21:39	31506-32-8	
d7-NMeFOSE (S)	109	%.	10-150		1	06/15/23 17:13	07/13/23 21:39	24448-09-7	
13C2-PFTA (S)	171	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		S0
d9-NEtFOSE (S)	108	%.	10-150		1	06/15/23 17:13	07/13/23 21:39	1691-99-2	
d5-NEtFOSA (S)	92	%.	10-150		1	06/15/23 17:13	07/13/23 21:39	4151-50-2	
13C2PFHxDA (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 21:39		S0
13C5-PFHxA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 21:39	307-24-4	S0

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-105 **Lab ID: 40262763016** Collected: 05/23/23 10:40 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 21:53	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 21:53	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.9	0.46	1	06/15/23 17:13	07/13/23 21:53	757124-72-4	N2
6:2 FTS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 21:53	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 21:53	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 21:53	756426-58-1	N2
ADONA	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 21:53	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 21:53	13252-13-6	N2
NEtFOSAA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 21:53	2991-50-6	N2
NEtFOSA	**<0.57**	ng/L	2.0	0.57	1	06/15/23 17:13	07/13/23 21:53	4151-50-2	N2
NEtFOSE	**<0.89**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 21:53	1691-99-2	N2
NMeFOSAA	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 21:53	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 21:53	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 21:53	24448-09-7	N2
Perfluorobutanesulfonic acid	**0.70J**	ng/L	1.8	0.48	1	06/15/23 17:13	07/13/23 21:53	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:53	335-76-2	N2
Perfluorohexanoic acid	**<0.91**	ng/L	2.0	0.91	1	06/15/23 17:13	07/13/23 21:53	307-24-4	N2
PFBA	**3.6**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 21:53	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 21:53	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 21:53	79780-39-5	N2
PFHpS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 21:53	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 21:53	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 21:53	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 21:53	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 21:53	754-91-6	N2
PFPeA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 21:53	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 21:53	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:53	307-55-1	N2
Perfluoroheptanoic acid	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 21:53	375-85-9	N2
Perfluorohexanesulfonic acid	**0.57J**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 21:53	355-46-4	N2
Perfluorononanoic acid	**<0.79**	ng/L	2.0	0.79	1	06/15/23 17:13	07/13/23 21:53	375-95-1	N2
Perfluorooctanesulfonic acid	**2.3**	ng/L	1.8	0.66	1	06/15/23 17:13	07/13/23 21:53	1763-23-1	N2
Perfluorooctanoic acid	**<0.86**	ng/L	2.0	0.86	1	06/15/23 17:13	07/13/23 21:53	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 21:53	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 21:53	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 21:53	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	129	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	375-22-4	
13C5-PFPeA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	2706-90-3	
13C3-PFBS (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	375-73-5	S0
13C24:2FTS (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		
13C3HFPO-DA (S)	134	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		
13C4-PFHpA (S)	144	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	375-85-9	
13C3-PFHxS (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	355-46-4	S0
13C26:2FTS (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-105 **Lab ID: 40262763016** Collected: 05/23/23 10:40 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	335-67-1	S0
13C8-PFOS (S)	135	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	1763-23-1	
13C9-PFNA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	375-95-1	
13C6-PFDA (S)	200	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	335-76-2	S0
13C28:2FTS (S)	333	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		S0
d3-MeFOSAA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	2355-31-9	
13C7-PFUdA (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	2058-94-8	S0
13C8-PFOSA (S)	116	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	754-91-6	
d5-EtFOSAA (S)	132	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	2991-50-6	
13C2-PFDoA (S)	163	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		S0
d3-NMeFOSA (S)	82	%.	10-150		1	06/15/23 17:13	07/13/23 21:53	31506-32-8	
d7-NMeFOSE (S)	97	%.	10-150		1	06/15/23 17:13	07/13/23 21:53	24448-09-7	
13C2-PFTA (S)	171	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		S0
d9-NEtFOSE (S)	104	%.	10-150		1	06/15/23 17:13	07/13/23 21:53	1691-99-2	
d5-NEtFOSA (S)	86	%.	10-150		1	06/15/23 17:13	07/13/23 21:53	4151-50-2	
13C2PFHxDA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 21:53		
13C5-PFHxA (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 21:53	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-106 **Lab ID: 40262763017** Collected: 05/23/23 09:55 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 22:08	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 22:08	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 22:08	757124-72-4	N2
6:2 FTS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 22:08	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	1.9	0.51	1	06/15/23 17:13	07/13/23 22:08	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 22:08	756426-58-1	N2
ADONA	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 22:08	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 22:08	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 22:08	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 22:08	4151-50-2	N2
NEtFOSE	**<0.89**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 22:08	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 22:08	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 22:08	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 22:08	24448-09-7	N2
Perfluorobutanesulfonic acid	**0.53J**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 22:08	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:08	335-76-2	N2
Perfluorohexanoic acid	**<0.92**	ng/L	2.0	0.92	1	06/15/23 17:13	07/13/23 22:08	307-24-4	N2
PFBA	**3.9**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 22:08	375-22-4	N2
PFDS	**<0.65**	ng/L	1.9	0.65	1	06/15/23 17:13	07/13/23 22:08	335-77-3	N2
PFDoS	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 22:08	79780-39-5	N2
PFHpS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:08	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 22:08	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:08	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:08	16517-11-6	N2
PFOSA	**<0.72**	ng/L	2.0	0.72	1	06/15/23 17:13	07/13/23 22:08	754-91-6	N2
PFPeA	**<0.83**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 22:08	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 22:08	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:08	307-55-1	N2
Perfluoroheptanoic acid	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 22:08	375-85-9	N2
Perfluorohexanesulfonic acid	**2.4**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 22:08	355-46-4	N2
Perfluorononanoic acid	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 22:08	375-95-1	N2
Perfluorooctanesulfonic acid	**1.8J**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:08	1763-23-1	N2
Perfluorooctanoic acid	**<0.87**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 22:08	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:08	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 22:08	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:08	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	117	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	375-22-4	
13C5-PFPeA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	2706-90-3	
13C3-PFBS (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	375-73-5	
13C24:2FTS (S)	106	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		
13C3HFPO-DA (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		
13C4-PFHpA (S)	129	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	375-85-9	
13C3-PFHxS (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	355-46-4	
13C26:2FTS (S)	115	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PZ-106 **Lab ID: 40262763017** Collected: 05/23/23 09:55 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	136	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	335-67-1	
13C8-PFOS (S)	125	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	1763-23-1	
13C9-PFNA (S)	128	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	375-95-1	
13C6-PFDA (S)	179	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	335-76-2	S0
13C28:2FTS (S)	207	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		S0
d3-MeFOSAA (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	2355-31-9	
13C7-PFUdA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	2058-94-8	S0
13C8-PFOSA (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	754-91-6	
d5-EtFOSAA (S)	119	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	2991-50-6	
13C2-PFDoA (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		
d3-NMeFOSA (S)	72	%.	10-150		1	06/15/23 17:13	07/13/23 22:08	31506-32-8	
d7-NMeFOSE (S)	91	%.	10-150		1	06/15/23 17:13	07/13/23 22:08	24448-09-7	
13C2-PFTA (S)	144	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		
d9-NEtFOSE (S)	92	%.	10-150		1	06/15/23 17:13	07/13/23 22:08	1691-99-2	
d5-NEtFOSA (S)	79	%.	10-150		1	06/15/23 17:13	07/13/23 22:08	4151-50-2	
13C2PFHxDA (S)	121	%.	25-150		1	06/15/23 17:13	07/13/23 22:08		
13C5-PFHxA (S)	132	%.	25-150		1	06/15/23 17:13	07/13/23 22:08	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: DUP #1 **Lab ID: 40262763018** Collected: 05/23/23 00:00 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.93**	ng/L	2.0	0.93	1	06/15/23 17:13	07/13/23 22:15	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 22:15	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 22:15	757124-72-4	N2
6:2 FTS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 22:15	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 22:15	39108-34-4	N2
9Cl-PF3ONS	**<0.48**	ng/L	1.9	0.48	1	06/15/23 17:13	07/13/23 22:15	756426-58-1	N2
ADONA	**<0.93**	ng/L	1.9	0.93	1	06/15/23 17:13	07/13/23 22:15	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 22:15	13252-13-6	N2
NEtFOSAA	**<0.83**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 22:15	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 22:15	4151-50-2	N2
NEtFOSE	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 22:15	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 22:15	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 22:15	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/15/23 17:13	07/13/23 22:15	24448-09-7	N2
Perfluorobutanesulfonic acid	**2.2**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 22:15	375-73-5	N2
Perfluorodecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:15	335-76-2	N2
Perfluorohexanoic acid	**13.9**	ng/L	2.0	0.92	1	06/15/23 17:13	07/13/23 22:15	307-24-4	N2
PFBA	**7.1**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 22:15	375-22-4	N2
PFDS	**<0.65**	ng/L	2.0	0.65	1	06/15/23 17:13	07/13/23 22:15	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:15	79780-39-5	N2
PFHpS	**1.3J**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 22:15	375-92-8	N2
PFHxDA	**<0.46**	ng/L	2.0	0.46	1	06/15/23 17:13	07/13/23 22:15	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:15	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:15	16517-11-6	N2
PFOSA	**<0.73**	ng/L	2.0	0.73	1	06/15/23 17:13	07/13/23 22:15	754-91-6	N2
PFPeA	**6.9**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 22:15	2706-90-3	N2
PFPeS	**3.0**	ng/L	1.9	0.61	1	06/15/23 17:13	07/13/23 22:15	2706-91-4	N2
Perfluorododecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:15	307-55-1	N2
Perfluoroheptanoic acid	**6.7**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 22:15	375-85-9	N2
Perfluorohexanesulfonic acid	**92.2**	ng/L	1.8	0.54	1	06/15/23 17:13	07/13/23 22:15	355-46-4	N2
Perfluorononanoic acid	**2.2**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:15	375-95-1	N2
Perfluorooctanesulfonic acid	**243**	ng/L	9.4	3.4	5	06/15/23 17:13	07/14/23 16:27	1763-23-1	H5,N2
Perfluorooctanoic acid	**5.3**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 22:15	335-67-1	N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:15	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 22:15	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:15	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	375-22-4	
13C5-PFPeA (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	2706-90-3	
13C3-PFBS (S)	157	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	375-73-5	S0
13C24:2FTS (S)	114	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		
13C3HFPO-DA (S)	143	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		
13C4-PFHpA (S)	148	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	375-85-9	
13C3-PFHxS (S)	150	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	355-46-4	
13C26:2FTS (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: DUP #1 **Lab ID: 40262763018** Collected: 05/23/23 00:00 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	335-67-1	S0
13C8-PFOS (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	1763-23-1	
13C9-PFNA (S)	130	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	375-95-1	
13C6-PFDA (S)	203	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	335-76-2	S0
13C28:2FTS (S)	294	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		S0
d3-MeFOSAA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	2355-31-9	
13C7-PFUdA (S)	167	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	2058-94-8	S0
13C8-PFOSA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	754-91-6	
d5-EtFOSAA (S)	126	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	2991-50-6	
13C2-PFDoA (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		S0
d3-NMeFOSA (S)	86	%.	10-150		1	06/15/23 17:13	07/13/23 22:15	31506-32-8	
d7-NMeFOSE (S)	106	%.	10-150		1	06/15/23 17:13	07/13/23 22:15	24448-09-7	
13C2-PFTA (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		S0
d9-NEtFOSE (S)	109	%.	10-150		1	06/15/23 17:13	07/13/23 22:15	1691-99-2	
d5-NEtFOSA (S)	84	%.	10-150		1	06/15/23 17:13	07/13/23 22:15	4151-50-2	
13C2PFHxDA (S)	135	%.	25-150		1	06/15/23 17:13	07/13/23 22:15		
13C5-PFHxA (S)	150	%.	25-150		1	06/15/23 17:13	07/13/23 22:15	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: DUP #2 **Lab ID: 40262763019** Collected: 05/23/23 00:00 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.93**	ng/L	1.9	0.93	1	06/15/23 17:13	07/13/23 22:22	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 22:22	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 22:22	757124-72-4	N2
6:2 FTS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 22:22	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	1.9	0.51	1	06/15/23 17:13	07/13/23 22:22	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 22:22	756426-58-1	N2
ADONA	**<0.93**	ng/L	1.9	0.93	1	06/15/23 17:13	07/13/23 22:22	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 22:22	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 22:22	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 22:22	4151-50-2	N2
NEtFOSE	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 22:22	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 22:22	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 22:22	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/15/23 17:13	07/13/23 22:22	24448-09-7	N2
Perfluorobutanesulfonic acid	**5.3**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 22:22	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:22	335-76-2	N2
Perfluorohexanoic acid	**<0.92**	ng/L	2.0	0.92	1	06/15/23 17:13	07/13/23 22:22	307-24-4	N2
PFBA	**2.1**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 22:22	375-22-4	N2
PFDS	**<0.65**	ng/L	1.9	0.65	1	06/15/23 17:13	07/13/23 22:22	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:22	79780-39-5	N2
PFHpS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:22	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 22:22	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:22	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:22	16517-11-6	N2
PFOSA	**<0.72**	ng/L	2.0	0.72	1	06/15/23 17:13	07/13/23 22:22	754-91-6	N2
PFPeA	**0.88J**	ng/L	2.0	0.83	1	06/15/23 17:13	07/13/23 22:22	2706-90-3	N2
PFPeS	**<0.61**	ng/L	1.9	0.61	1	06/15/23 17:13	07/13/23 22:22	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:22	307-55-1	N2
Perfluoroheptanoic acid	**0.77J**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 22:22	375-85-9	N2
Perfluorohexanesulfonic acid	**0.57J**	ng/L	1.8	0.54	1	06/15/23 17:13	07/13/23 22:22	355-46-4	N2
Perfluorononanoic acid	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 22:22	375-95-1	N2
Perfluorooctanesulfonic acid	**7.7**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:22	1763-23-1	N2
Perfluorooctanoic acid	**1.7J**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 22:22	335-67-1	N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:22	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/15/23 17:13	07/13/23 22:22	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:22	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	375-22-4	
13C5-PFPeA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	2706-90-3	S0
13C3-PFBS (S)	161	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	375-73-5	S0
13C24:2FTS (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		
13C3HFPO-DA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		
13C4-PFHpA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	375-85-9	S0
13C3-PFHxS (S)	165	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	355-46-4	S0
13C26:2FTS (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: DUP #2 **Lab ID: 40262763019** Collected: 05/23/23 00:00 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	159	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	335-67-1	S0
13C8-PFOS (S)	144	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	1763-23-1	
13C9-PFNA (S)	145	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	375-95-1	
13C6-PFDA (S)	191	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	335-76-2	S0
13C28:2FTS (S)	204	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		S0
d3-MeFOSAA (S)	153	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	2355-31-9	S0
13C7-PFUdA (S)	172	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	2058-94-8	S0
13C8-PFOSA (S)	134	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	754-91-6	
d5-EtFOSAA (S)	153	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	2991-50-6	S0
13C2-PFDoA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		S0
d3-NMeFOSA (S)	88	%.	10-150		1	06/15/23 17:13	07/13/23 22:22	31506-32-8	
d7-NMeFOSE (S)	107	%.	10-150		1	06/15/23 17:13	07/13/23 22:22	24448-09-7	
13C2-PFTA (S)	162	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		S0
d9-NEtFOSE (S)	109	%.	10-150		1	06/15/23 17:13	07/13/23 22:22	1691-99-2	
d5-NEtFOSA (S)	89	%.	10-150		1	06/15/23 17:13	07/13/23 22:22	4151-50-2	
13C2PFHxDA (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 22:22		S0
13C5-PFHxA (S)	156	%.	25-150		1	06/15/23 17:13	07/13/23 22:22	307-24-4	S0

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PRE-FILTER **Lab ID: 40262763020** Collected: 05/24/23 14:39 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.93**	ng/L	2.0	0.93	1	06/20/23 14:32	07/15/23 19:12	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/20/23 14:32	07/15/23 19:12	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/20/23 14:32	07/15/23 19:12	757124-72-4	N2
6:2 FTS	**184**	ng/L	1.9	0.68	1	06/20/23 14:32	07/15/23 19:12	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	2.0	0.51	1	06/20/23 14:32	07/15/23 19:12	39108-34-4	N2
9Cl-PF3ONS	**<0.48**	ng/L	1.9	0.48	1	06/20/23 14:32	07/15/23 19:12	756426-58-1	N2
ADONA	**<0.93**	ng/L	1.9	0.93	1	06/20/23 14:32	07/15/23 19:12	919005-14-4	N2
HFPO-DA	**<0.50**	ng/L	2.0	0.50	1	06/20/23 14:32	07/15/23 19:12	13252-13-6	N2
NEtFOSAA	**<0.83**	ng/L	2.0	0.83	1	06/20/23 14:32	07/15/23 19:12	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/20/23 14:32	07/15/23 19:12	4151-50-2	N2
NEtFOSE	**<0.90**	ng/L	2.0	0.90	1	06/20/23 14:32	07/15/23 19:12	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/20/23 14:32	07/15/23 19:12	2355-31-9	N2
NMeFOSA	**<0.56**	ng/L	2.0	0.56	1	06/20/23 14:32	07/15/23 19:12	31506-32-8	N2
NMeFOSE	**<0.53**	ng/L	2.0	0.53	1	06/20/23 14:32	07/15/23 19:12	24448-09-7	N2
Perfluorobutanesulfonic acid	**11.5**	ng/L	1.8	0.49	1	06/20/23 14:32	07/15/23 19:12	375-73-5	N2
Perfluorodecanoic acid	**4.0**	ng/L	2.0	0.62	1	06/20/23 14:32	07/15/23 19:12	335-76-2	N2
Perfluorohexanoic acid	**78.3**	ng/L	2.0	0.92	1	06/20/23 14:32	07/15/23 19:12	307-24-4	N2
PFBA	**105**	ng/L	2.0	0.50	1	06/20/23 14:32	07/15/23 19:12	375-22-4	N2
PFDS	**<0.65**	ng/L	2.0	0.65	1	06/20/23 14:32	07/15/23 19:12	335-77-3	N2
PFDoS	**<0.60**	ng/L	2.0	0.60	1	06/20/23 14:32	07/15/23 19:12	79780-39-5	N2
PFHpS	**8.7**	ng/L	1.9	0.68	1	06/20/23 14:32	07/15/23 19:12	375-92-8	N2
PFHxDA	**2.2**	ng/L	2.0	0.46	1	06/20/23 14:32	07/15/23 19:12	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/20/23 14:32	07/15/23 19:12	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/20/23 14:32	07/15/23 19:12	16517-11-6	N2
PFOSA	**<0.73**	ng/L	2.0	0.73	1	06/20/23 14:32	07/15/23 19:12	754-91-6	N2
PFPeA	**93.1**	ng/L	2.0	0.83	1	06/20/23 14:32	07/15/23 19:12	2706-90-3	N2
PFPeS	**16.4**	ng/L	1.9	0.61	1	06/20/23 14:32	07/15/23 19:12	2706-91-4	N2
Perfluorododecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/20/23 14:32	07/15/23 19:12	307-55-1	N2
Perfluoroheptanoic acid	**75.8**	ng/L	2.0	0.70	1	06/20/23 14:32	07/15/23 19:12	375-85-9	N2
Perfluorohexanesulfonic acid	**206**	ng/L	18.4	5.4	10	06/20/23 14:32	07/19/23 19:23	355-46-4	H5,N2
Perfluorononanoic acid	**13.7**	ng/L	2.0	0.80	1	06/20/23 14:32	07/15/23 19:12	375-95-1	N2
Perfluorooctanesulfonic acid	**466**	ng/L	18.7	6.7	10	06/20/23 14:32	07/19/23 19:23	1763-23-1	H5,N2
Perfluorooctanoic acid	**234**	ng/L	20.3	8.7	10	06/20/23 14:32	07/19/23 19:23	335-67-1	H5,N2
Perfluorotetradecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/20/23 14:32	07/15/23 19:12	376-06-7	N2
Perfluorotridecanoic acid	**<0.63**	ng/L	2.0	0.63	1	06/20/23 14:32	07/15/23 19:12	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/20/23 14:32	07/15/23 19:12	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	145	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	375-22-4	
13C5-PFPeA (S)	129	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	2706-90-3	
13C3-PFBS (S)	157	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	375-73-5	S0
13C24:2FTS (S)	138	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		
13C3HFPO-DA (S)	108	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		
13C4-PFHpA (S)	103	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	375-85-9	
13C3-PFHxS (S)	107	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	355-46-4	
13C26:2FTS (S)	111	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: PRE-FILTER **Lab ID: 40262763020** Collected: 05/24/23 14:39 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	101	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	335-67-1	
13C8-PFOS (S)	116	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	1763-23-1	
13C9-PFNA (S)	115	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	375-95-1	
13C6-PFDA (S)	99	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	335-76-2	
13C28:2FTS (S)	80	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		
d3-MeFOSAA (S)	52	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	2355-31-9	
13C7-PFUdA (S)	74	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	2058-94-8	
13C8-PFOSA (S)	35	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	754-91-6	
d5-EtFOSAA (S)	53	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	2991-50-6	
13C2-PFDoA (S)	55	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		
d3-NMeFOSA (S)	0	%.	10-150		1	06/20/23 14:32	07/15/23 19:12	31506-32-8	S0
d7-NMeFOSE (S)	3	%.	10-150		1	06/20/23 14:32	07/15/23 19:12	24448-09-7	S0
13C2-PFTA (S)	20	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		S0
d9-NEtFOSE (S)	2	%.	10-150		1	06/20/23 14:32	07/15/23 19:12	1691-99-2	S0
d5-NEtFOSA (S)	1	%.	10-150		1	06/20/23 14:32	07/15/23 19:12	4151-50-2	S0
13C2PFHxDA (S)	2	%.	25-150		1	06/20/23 14:32	07/15/23 19:12		S0
13C5-PFHxA (S)	121	%.	25-150		1	06/20/23 14:32	07/15/23 19:12	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MID-FILTER **Lab ID: 40262763021** Collected: 05/24/23 14:36 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 22:29	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 22:29	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.9	0.46	1	06/15/23 17:13	07/13/23 22:29	757124-72-4	N2
6:2 FTS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:29	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 22:29	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.8	0.47	1	06/15/23 17:13	07/13/23 22:29	756426-58-1	N2
ADONA	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 22:29	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:29	13252-13-6	N2
NEtFOSAA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:29	2991-50-6	N2
NEtFOSA	**<0.57**	ng/L	2.0	0.57	1	06/15/23 17:13	07/13/23 22:29	4151-50-2	N2
NEtFOSE	**<0.88**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 22:29	1691-99-2	N2
NMeFOSAA	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 22:29	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 22:29	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 22:29	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.48**	ng/L	1.8	0.48	1	06/15/23 17:13	07/13/23 22:29	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:29	335-76-2	N2
Perfluorohexanoic acid	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 22:29	307-24-4	N2
PFBA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:29	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 22:29	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:29	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 22:29	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 22:29	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 22:29	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:29	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 22:29	754-91-6	N2
PFPeA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:29	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 22:29	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:29	307-55-1	N2
Perfluoroheptanoic acid	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 22:29	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.53**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 22:29	355-46-4	N2
Perfluorononanoic acid	**<0.79**	ng/L	2.0	0.79	1	06/15/23 17:13	07/13/23 22:29	375-95-1	N2
Perfluorooctanesulfonic acid	**1.1J**	ng/L	1.8	0.66	1	06/15/23 17:13	07/13/23 22:29	1763-23-1	N2
Perfluorooctanoic acid	**<0.85**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 22:29	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:29	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:29	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:29	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	142	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	375-22-4	
13C5-PFPeA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	2706-90-3	S3
13C3-PFBS (S)	161	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	375-73-5	S3
13C24:2FTS (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		
13C3HFPO-DA (S)	148	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		
13C4-PFHpA (S)	158	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	375-85-9	S3
13C3-PFHxS (S)	166	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	355-46-4	S3
13C26:2FTS (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MID-FILTER **Lab ID: 40262763021** Collected: 05/24/23 14:36 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	162	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	335-67-1	S3
13C8-PFOS (S)	142	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	1763-23-1	
13C9-PFNA (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	375-95-1	S3
13C6-PFDA (S)	208	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	335-76-2	S3
13C28:2FTS (S)	362	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		S3
d3-MeFOSAA (S)	148	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	2355-31-9	
13C7-PFUdA (S)	166	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	2058-94-8	S3
13C8-PFOSA (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	754-91-6	
d5-EtFOSAA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	2991-50-6	
13C2-PFDoA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		S3
d3-NMeFOSA (S)	49	%.	10-150		1	06/15/23 17:13	07/13/23 22:29	31506-32-8	
d7-NMeFOSE (S)	95	%.	10-150		1	06/15/23 17:13	07/13/23 22:29	24448-09-7	
13C2-PFTA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		S3
d9-NEtFOSE (S)	101	%.	10-150		1	06/15/23 17:13	07/13/23 22:29	1691-99-2	
d5-NEtFOSA (S)	51	%.	10-150		1	06/15/23 17:13	07/13/23 22:29	4151-50-2	
13C2PFHxDA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 22:29		S3
13C5-PFHxA (S)	157	%.	25-150		1	06/15/23 17:13	07/13/23 22:29	307-24-4	S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: POST. FILTER **Lab ID: 40262763022** Collected: 05/24/23 14:34 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 22:37	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 22:37	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.9	0.46	1	06/15/23 17:13	07/13/23 22:37	757124-72-4	N2
6:2 FTS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 22:37	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 22:37	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.8	0.47	1	06/15/23 17:13	07/13/23 22:37	756426-58-1	N2
ADONA	**<0.91**	ng/L	1.9	0.91	1	06/15/23 17:13	07/13/23 22:37	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:37	13252-13-6	N2
NEtFOSAA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:37	2991-50-6	N2
NEtFOSA	**<0.57**	ng/L	2.0	0.57	1	06/15/23 17:13	07/13/23 22:37	4151-50-2	N2
NEtFOSE	**<0.88**	ng/L	2.0	0.88	1	06/15/23 17:13	07/13/23 22:37	1691-99-2	N2
NMeFOSAA	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 22:37	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 22:37	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 22:37	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.48**	ng/L	1.8	0.48	1	06/15/23 17:13	07/13/23 22:37	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:37	335-76-2	N2
Perfluorohexanoic acid	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 22:37	307-24-4	N2
PFBA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:37	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 22:37	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:37	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 22:37	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 22:37	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 22:37	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:37	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 22:37	754-91-6	N2
PFPeA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:37	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 22:37	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:37	307-55-1	N2
Perfluoroheptanoic acid	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 22:37	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.53**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 22:37	355-46-4	N2
Perfluorononanoic acid	**<0.79**	ng/L	2.0	0.79	1	06/15/23 17:13	07/13/23 22:37	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.66**	ng/L	1.8	0.66	1	06/15/23 17:13	07/13/23 22:37	1763-23-1	N2
Perfluorooctanoic acid	**<0.85**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 22:37	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:37	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 22:37	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:37	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	375-22-4	
13C5-PFPeA (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	2706-90-3	
13C3-PFBS (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	375-73-5	S3
13C24:2FTS (S)	131	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		
13C3HFPO-DA (S)	144	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		
13C4-PFHpA (S)	152	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	375-85-9	S3
13C3-PFHxS (S)	160	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	355-46-4	S3
13C26:2FTS (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: POST. FILTER **Lab ID: 40262763022** Collected: 05/24/23 14:34 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	156	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	335-67-1	S3
13C8-PFOS (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	1763-23-1	
13C9-PFNA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	375-95-1	S3
13C6-PFDA (S)	194	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	335-76-2	S3
13C28:2FTS (S)	283	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		S3
d3-MeFOSAA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	2355-31-9	
13C7-PFUdA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	2058-94-8	S3
13C8-PFOSA (S)	115	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	754-91-6	
d5-EtFOSAA (S)	138	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	2991-50-6	
13C2-PFDoA (S)	162	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		S3
d3-NMeFOSA (S)	53	%.	10-150		1	06/15/23 17:13	07/13/23 22:37	31506-32-8	
d7-NMeFOSE (S)	80	%.	10-150		1	06/15/23 17:13	07/13/23 22:37	24448-09-7	
13C2-PFTA (S)	161	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		S3
d9-NEtFOSE (S)	83	%.	10-150		1	06/15/23 17:13	07/13/23 22:37	1691-99-2	
d5-NEtFOSA (S)	51	%.	10-150		1	06/15/23 17:13	07/13/23 22:37	4151-50-2	
13C2PFHxDA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 22:37		
13C5-PFHxA (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 22:37	307-24-4	S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: BAGGIES **Lab ID: 40262763023** Collected: 05/24/23 09:00 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 22:44	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.9	0.55	1	06/15/23 17:13	07/13/23 22:44	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 22:44	757124-72-4	N2
6:2 FTS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 22:44	27619-97-2	N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 22:44	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 22:44	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 22:44	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:44	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 22:44	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 22:44	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 22:44	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 22:44	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/15/23 17:13	07/13/23 22:44	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 22:44	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.48**	ng/L	1.7	0.48	1	06/15/23 17:13	07/13/23 22:44	375-73-5	N2
Perfluorodecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 22:44	335-76-2	N2
Perfluorohexanoic acid	**<0.90**	ng/L	2.0	0.90	1	06/15/23 17:13	07/13/23 22:44	307-24-4	N2
PFBA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 22:44	375-22-4	N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/15/23 17:13	07/13/23 22:44	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 22:44	79780-39-5	N2
PFHpS	**<0.66**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 22:44	375-92-8	N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/15/23 17:13	07/13/23 22:44	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 22:44	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:44	16517-11-6	N2
PFOSA	**<0.71**	ng/L	2.0	0.71	1	06/15/23 17:13	07/13/23 22:44	754-91-6	N2
PFPeA	**<0.81**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 22:44	2706-90-3	N2
PFPeS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 22:44	2706-91-4	N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/15/23 17:13	07/13/23 22:44	307-55-1	N2
Perfluoroheptanoic acid	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 22:44	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.52**	ng/L	1.8	0.52	1	06/15/23 17:13	07/13/23 22:44	355-46-4	N2
Perfluorononanoic acid	**<0.78**	ng/L	2.0	0.78	1	06/15/23 17:13	07/13/23 22:44	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.66**	ng/L	1.8	0.66	1	06/15/23 17:13	07/13/23 22:44	1763-23-1	N2
Perfluorooctanoic acid	**<0.85**	ng/L	2.0	0.85	1	06/15/23 17:13	07/13/23 22:44	335-67-1	N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 22:44	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 22:44	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 22:44	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	164	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	375-22-4	S3
13C5-PFPeA (S)	169	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	2706-90-3	S3
13C3-PFBS (S)	174	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	375-73-5	S3
13C24:2FTS (S)	155	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
13C3HFPO-DA (S)	159	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
13C4-PFHpA (S)	172	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	375-85-9	S3
13C3-PFHxS (S)	177	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	355-46-4	S3
13C26:2FTS (S)	189	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: BAGGIES **Lab ID: 40262763023** Collected: 05/24/23 09:00 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	182	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	335-67-1	S3
13C8-PFOS (S)	159	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	1763-23-1	S3
13C9-PFNA (S)	176	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	375-95-1	S3
13C6-PFDA (S)	237	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	335-76-2	S3
13C28:2FTS (S)	600	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
d3-MeFOSAA (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	2355-31-9	
13C7-PFUdA (S)	185	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	2058-94-8	S3
13C8-PFOSA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	754-91-6	
d5-EtFOSAA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	2991-50-6	
13C2-PFDoA (S)	182	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
d3-NMeFOSA (S)	87	%.	10-150		1	06/15/23 17:13	07/13/23 22:44	31506-32-8	
d7-NMeFOSE (S)	114	%.	10-150		1	06/15/23 17:13	07/13/23 22:44	24448-09-7	
13C2-PFTA (S)	194	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
d9-NEtFOSE (S)	111	%.	10-150		1	06/15/23 17:13	07/13/23 22:44	1691-99-2	
d5-NEtFOSA (S)	78	%.	10-150		1	06/15/23 17:13	07/13/23 22:44	4151-50-2	
13C2PFHxDA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:44		S3
13C5-PFHxA (S)	170	%.	25-150		1	06/15/23 17:13	07/13/23 22:44	307-24-4	S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: GLOVES **Lab ID: 40262763024** Collected: 05/24/23 09:03 Received: 05/26/23 09:45 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								
10:2 FTS	**<1.1**	ng/L	2.2	1.1	1	06/15/23 17:13	07/13/23 22:51	120226-60-0	N2
11Cl-PF3OUdS	**<0.65**	ng/L	2.2	0.65	1	06/15/23 17:13	07/13/23 22:51	763051-92-9	N2
4:2 FTS	**<0.54**	ng/L	2.2	0.54	1	06/15/23 17:13	07/13/23 22:51	757124-72-4	N2
6:2 FTS	**<0.78**	ng/L	2.2	0.78	1	06/15/23 17:13	07/13/23 22:51	27619-97-2	N2
8:2 FTS	**<0.59**	ng/L	2.2	0.59	1	06/15/23 17:13	07/13/23 22:51	39108-34-4	N2
9Cl-PF3ONS	**<0.55**	ng/L	2.2	0.55	1	06/15/23 17:13	07/13/23 22:51	756426-58-1	N2
ADONA	**<1.1**	ng/L	2.2	1.1	1	06/15/23 17:13	07/13/23 22:51	919005-14-4	N2
HFPO-DA	**<0.57**	ng/L	2.3	0.57	1	06/15/23 17:13	07/13/23 22:51	13252-13-6	N2
NEtFOSAA	**<0.95**	ng/L	2.3	0.95	1	06/15/23 17:13	07/13/23 22:51	2991-50-6	N2
NEtFOSA	**<0.67**	ng/L	2.3	0.67	1	06/15/23 17:13	07/13/23 22:51	4151-50-2	N2
NEtFOSE	**<1.0**	ng/L	2.3	1.0	1	06/15/23 17:13	07/13/23 22:51	1691-99-2	N2
NMeFOSAA	**<0.81**	ng/L	2.3	0.81	1	06/15/23 17:13	07/13/23 22:51	2355-31-9	N2
NMeFOSA	**<0.64**	ng/L	2.3	0.64	1	06/15/23 17:13	07/13/23 22:51	31506-32-8	N2
NMeFOSE	**<0.61**	ng/L	2.3	0.61	1	06/15/23 17:13	07/13/23 22:51	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.56**	ng/L	2.1	0.56	1	06/15/23 17:13	07/13/23 22:51	375-73-5	N2
Perfluorodecanoic acid	**<0.71**	ng/L	2.3	0.71	1	06/15/23 17:13	07/13/23 22:51	335-76-2	N2
Perfluorohexanoic acid	**<1.1**	ng/L	2.3	1.1	1	06/15/23 17:13	07/13/23 22:51	307-24-4	N2
PFBA	**<0.58**	ng/L	2.3	0.58	1	06/15/23 17:13	07/13/23 22:51	375-22-4	N2
PFDS	**<0.75**	ng/L	2.2	0.75	1	06/15/23 17:13	07/13/23 22:51	335-77-3	N2
PFDoS	**<0.69**	ng/L	2.3	0.69	1	06/15/23 17:13	07/13/23 22:51	79780-39-5	N2
PFHpS	**<0.78**	ng/L	2.2	0.78	1	06/15/23 17:13	07/13/23 22:51	375-92-8	N2
PFHxDA	**<0.52**	ng/L	2.3	0.52	1	06/15/23 17:13	07/13/23 22:51	67905-19-5	N2
PFNS	**<0.68**	ng/L	2.2	0.68	1	06/15/23 17:13	07/13/23 22:51	68259-12-1	N2
PFODA	**<0.72**	ng/L	2.3	0.72	1	06/15/23 17:13	07/13/23 22:51	16517-11-6	N2
PFOSA	**<0.83**	ng/L	2.3	0.83	1	06/15/23 17:13	07/13/23 22:51	754-91-6	N2
PFPeA	**<0.95**	ng/L	2.3	0.95	1	06/15/23 17:13	07/13/23 22:51	2706-90-3	N2
PFPeS	**<0.70**	ng/L	2.2	0.70	1	06/15/23 17:13	07/13/23 22:51	2706-91-4	N2
Perfluorododecanoic acid	**<0.56**	ng/L	2.3	0.56	1	06/15/23 17:13	07/13/23 22:51	307-55-1	N2
Perfluoroheptanoic acid	**<0.80**	ng/L	2.3	0.80	1	06/15/23 17:13	07/13/23 22:51	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.62**	ng/L	2.1	0.62	1	06/15/23 17:13	07/13/23 22:51	355-46-4	N2
Perfluorononanoic acid	**<0.92**	ng/L	2.3	0.92	1	06/15/23 17:13	07/13/23 22:51	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.77**	ng/L	2.2	0.77	1	06/15/23 17:13	07/13/23 22:51	1763-23-1	N2
Perfluorooctanoic acid	**<1.0**	ng/L	2.3	1.0	1	06/15/23 17:13	07/13/23 22:51	335-67-1	N2
Perfluorotetradecanoic acid	**<0.70**	ng/L	2.3	0.70	1	06/15/23 17:13	07/13/23 22:51	376-06-7	N2
Perfluorotridecanoic acid	**<0.72**	ng/L	2.3	0.72	1	06/15/23 17:13	07/13/23 22:51	72629-94-8	N2
Perfluoroundecanoic acid	**<0.57**	ng/L	2.3	0.57	1	06/15/23 17:13	07/13/23 22:51	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	375-22-4	
13C5-PFPeA (S)	149	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	2706-90-3	
13C3-PFBS (S)	162	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	375-73-5	S3
13C24:2FTS (S)	216	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S3
13C3HFPO-DA (S)	120	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		
13C4-PFHpA (S)	166	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	375-85-9	S3
13C3-PFHxS (S)	162	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	355-46-4	S3
13C26:2FTS (S)	392	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: GLOVES **Lab ID: 40262763024** Collected: 05/24/23 09:03 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	172	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	335-67-1	S3
13C8-PFOS (S)	141	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	1763-23-1	
13C9-PFNA (S)	165	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	375-95-1	S3
13C6-PFDA (S)	7	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	335-76-2	S0
13C28:2FTS (S)	9	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S0
d3-MeFOSAA (S)	69	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	2355-31-9	
13C7-PFUdA (S)	195	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	2058-94-8	S3
13C8-PFOSA (S)	13	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	754-91-6	S0
d5-EtFOSAA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	2991-50-6	S3
13C2-PFDoA (S)	18	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S0
d3-NMeFOSA (S)	82	%.	10-150		1	06/15/23 17:13	07/13/23 22:51	31506-32-8	
d7-NMeFOSE (S)	147	%.	10-150		1	06/15/23 17:13	07/13/23 22:51	24448-09-7	
13C2-PFTA (S)	201	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S3
d9-NEtFOSE (S)	132	%.	10-150		1	06/15/23 17:13	07/13/23 22:51	1691-99-2	
d5-NEtFOSA (S)	89	%.	10-150		1	06/15/23 17:13	07/13/23 22:51	4151-50-2	
13C2PFHxDA (S)	174	%.	25-150		1	06/15/23 17:13	07/13/23 22:51		S3
13C5-PFHxA (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 22:51	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: TRIP BLANK **Lab ID: 40262763025** Collected: 05/22/23 10:15 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 23:06	120226-60-0	N2
11Cl-PF3OUdS	**<0.56**	ng/L	1.9	0.56	1	06/15/23 17:13	07/13/23 23:06	763051-92-9	N2
4:2 FTS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 23:06	757124-72-4	N2
6:2 FTS	**<0.68**	ng/L	1.9	0.68	1	06/15/23 17:13	07/13/23 23:06	27619-97-2	N2
8:2 FTS	**<0.51**	ng/L	1.9	0.51	1	06/15/23 17:13	07/13/23 23:06	39108-34-4	N2
9Cl-PF3ONS	**<0.47**	ng/L	1.9	0.47	1	06/15/23 17:13	07/13/23 23:06	756426-58-1	N2
ADONA	**<0.92**	ng/L	1.9	0.92	1	06/15/23 17:13	07/13/23 23:06	919005-14-4	N2
HFPO-DA	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 23:06	13252-13-6	N2
NEtFOSAA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 23:06	2991-50-6	N2
NEtFOSA	**<0.58**	ng/L	2.0	0.58	1	06/15/23 17:13	07/13/23 23:06	4151-50-2	N2
NEtFOSE	**<0.89**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 23:06	1691-99-2	N2
NMeFOSAA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 23:06	2355-31-9	N2
NMeFOSA	**<0.55**	ng/L	2.0	0.55	1	06/15/23 17:13	07/13/23 23:06	31506-32-8	N2
NMeFOSE	**<0.52**	ng/L	2.0	0.52	1	06/15/23 17:13	07/13/23 23:06	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.49**	ng/L	1.8	0.49	1	06/15/23 17:13	07/13/23 23:06	375-73-5	N2
Perfluorodecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 23:06	335-76-2	N2
Perfluorohexanoic acid	**<0.91**	ng/L	2.0	0.91	1	06/15/23 17:13	07/13/23 23:06	307-24-4	N2
PFBA	**<0.50**	ng/L	2.0	0.50	1	06/15/23 17:13	07/13/23 23:06	375-22-4	N2
PFDS	**<0.64**	ng/L	1.9	0.64	1	06/15/23 17:13	07/13/23 23:06	335-77-3	N2
PFDoS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 23:06	79780-39-5	N2
PFHpS	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 23:06	375-92-8	N2
PFHxDA	**<0.45**	ng/L	2.0	0.45	1	06/15/23 17:13	07/13/23 23:06	67905-19-5	N2
PFNS	**<0.59**	ng/L	1.9	0.59	1	06/15/23 17:13	07/13/23 23:06	68259-12-1	N2
PFODA	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 23:06	16517-11-6	N2
PFOSA	**<0.72**	ng/L	2.0	0.72	1	06/15/23 17:13	07/13/23 23:06	754-91-6	N2
PFPeA	**<0.82**	ng/L	2.0	0.82	1	06/15/23 17:13	07/13/23 23:06	2706-90-3	N2
PFPeS	**<0.60**	ng/L	1.9	0.60	1	06/15/23 17:13	07/13/23 23:06	2706-91-4	N2
Perfluorododecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 23:06	307-55-1	N2
Perfluoroheptanoic acid	**<0.69**	ng/L	2.0	0.69	1	06/15/23 17:13	07/13/23 23:06	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.53**	ng/L	1.8	0.53	1	06/15/23 17:13	07/13/23 23:06	355-46-4	N2
Perfluorononanoic acid	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 23:06	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.67**	ng/L	1.9	0.67	1	06/15/23 17:13	07/13/23 23:06	1763-23-1	N2
Perfluorooctanoic acid	**<0.86**	ng/L	2.0	0.86	1	06/15/23 17:13	07/13/23 23:06	335-67-1	N2
Perfluorotetradecanoic acid	**<0.60**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 23:06	376-06-7	N2
Perfluorotridecanoic acid	**<0.62**	ng/L	2.0	0.62	1	06/15/23 17:13	07/13/23 23:06	72629-94-8	N2
Perfluoroundecanoic acid	**<0.49**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 23:06	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	158	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	375-22-4	S3
13C5-PFPeA (S)	169	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	2706-90-3	S3
13C3-PFBS (S)	183	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	375-73-5	S3
13C24:2FTS (S)	167	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
13C3HFPO-DA (S)	163	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
13C4-PFHpA (S)	177	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	375-85-9	S3
13C3-PFHxS (S)	186	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	355-46-4	S3
13C26:2FTS (S)	165	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: TRIP BLANK **Lab ID: 40262763025** Collected: 05/22/23 10:15 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	182	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	335-67-1	S3
13C8-PFOS (S)	177	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	1763-23-1	S3
13C9-PFNA (S)	178	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	375-95-1	S3
13C6-PFDA (S)	234	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	335-76-2	S3
13C28:2FTS (S)	455	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
d3-MeFOSAA (S)	169	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	2355-31-9	S3
13C7-PFUdA (S)	196	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	2058-94-8	S3
13C8-PFOSA (S)	147	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	754-91-6	
d5-EtFOSAA (S)	172	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	2991-50-6	S3
13C2-PFDoA (S)	196	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
d3-NMeFOSA (S)	117	%.	10-150		1	06/15/23 17:13	07/13/23 23:06	31506-32-8	
d7-NMeFOSE (S)	127	%.	10-150		1	06/15/23 17:13	07/13/23 23:06	24448-09-7	
13C2-PFTA (S)	203	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
d9-NEtFOSE (S)	131	%.	10-150		1	06/15/23 17:13	07/13/23 23:06	1691-99-2	
d5-NEtFOSA (S)	124	%.	10-150		1	06/15/23 17:13	07/13/23 23:06	4151-50-2	
13C2PFHxDA (S)	151	%.	25-150		1	06/15/23 17:13	07/13/23 23:06		S3
13C5-PFHxA (S)	175	%.	25-150		1	06/15/23 17:13	07/13/23 23:06	307-24-4	S3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: SOIL DRUM **Lab ID: 40262763026** Collected: 05/24/23 15:25 Received: 05/26/23 09:45 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Dry Weight / %M by ASTM D2974	Analytical Method: ASTM D2974 Pace Analytical Services - Minneapolis								
Percent Moisture	**3.2**	%	0.10	0.10	1		06/29/23 10:31		N2
WI ID SL	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
10:2 FTS	**<0.045**	ug/kg	0.099	0.045	1	06/12/23 10:28	06/15/23 01:45	120226-60-0	N2
11Cl-PF3OUdS	**<0.026**	ug/kg	0.096	0.026	1	06/12/23 10:28	06/15/23 01:45	763051-92-9	N2
4:2 FTS	**<0.023**	ug/kg	0.096	0.023	1	06/12/23 10:28	06/15/23 01:45	757124-72-4	N2
6:2 FTS	**<0.042**	ug/kg	0.097	0.042	1	06/12/23 10:28	06/15/23 01:45	27619-97-2	N2
8:2 FTS	**<0.045**	ug/kg	0.099	0.045	1	06/12/23 10:28	06/15/23 01:45	39108-34-4	N2
9Cl-PF3ONS	**<0.026**	ug/kg	0.095	0.026	1	06/12/23 10:28	06/15/23 01:45	756426-58-1	N2
ADONA	**<0.037**	ug/kg	0.097	0.037	1	06/12/23 10:28	06/15/23 01:45	919005-14-4	N2
HFPO-DA	**<0.028**	ug/kg	0.10	0.028	1	06/12/23 10:28	06/15/23 01:45	13252-13-6	N2
NEtFOSAA	**<0.041**	ug/kg	0.10	0.041	1	06/12/23 10:28	06/15/23 01:45	2991-50-6	N2
NEtFOSA	**<0.026**	ug/kg	0.10	0.026	1	06/12/23 10:28	06/15/23 01:45	4151-50-2	N2
NEtFOSE	**<0.033**	ug/kg	0.10	0.033	1	06/12/23 10:28	06/15/23 01:45	1691-99-2	N2
NMeFOSAA	**<0.029**	ug/kg	0.10	0.029	1	06/12/23 10:28	06/15/23 01:45	2355-31-9	N2
NMeFOSA	**<0.028**	ug/kg	0.10	0.028	1	06/12/23 10:28	06/15/23 01:45	31506-32-8	N2
NMeFOSE	**<0.031**	ug/kg	0.10	0.031	1	06/12/23 10:28	06/15/23 01:45	24448-09-7	N2
Perfluorobutanesulfonic acid	**<0.027**	ug/kg	0.091	0.027	1	06/12/23 10:28	06/15/23 01:45	375-73-5	N2
Perfluorodecanoic acid	**<0.023**	ug/kg	0.10	0.023	1	06/12/23 10:28	06/15/23 01:45	335-76-2	N2
Perfluorohexanoic acid	**<0.028**	ug/kg	0.10	0.028	1	06/12/23 10:28	06/15/23 01:45	307-24-4	N2
PFBA	**<0.029**	ug/kg	0.10	0.029	1	06/12/23 10:28	06/15/23 01:45	375-22-4	N2
PFDS	**<0.029**	ug/kg	0.099	0.029	1	06/12/23 10:28	06/15/23 01:45	335-77-3	N2
PFDoS	**<0.027**	ug/kg	0.099	0.027	1	06/12/23 10:28	06/15/23 01:45	79780-39-5	N2
PFHpS	**<0.028**	ug/kg	0.097	0.028	1	06/12/23 10:28	06/15/23 01:45	375-92-8	N2
PFHxDA	**<0.027**	ug/kg	0.10	0.027	1	06/12/23 10:28	06/15/23 01:45	67905-19-5	N2
PFNS	**<0.035**	ug/kg	0.098	0.035	1	06/12/23 10:28	06/15/23 01:45	68259-12-1	N2
PFODA	**<0.033**	ug/kg	0.10	0.033	1	06/12/23 10:28	06/15/23 01:45	16517-11-6	N2
PFOSA	**<0.030**	ug/kg	0.10	0.030	1	06/12/23 10:28	06/15/23 01:45	754-91-6	N2
PFPeA	**<0.029**	ug/kg	0.10	0.029	1	06/12/23 10:28	06/15/23 01:45	2706-90-3	N2
PFPeS	**<0.024**	ug/kg	0.096	0.024	1	06/12/23 10:28	06/15/23 01:45	2706-91-4	N2
Perfluorododecanoic acid	**<0.033**	ug/kg	0.10	0.033	1	06/12/23 10:28	06/15/23 01:45	307-55-1	N2
Perfluoroheptanoic acid	**<0.035**	ug/kg	0.10	0.035	1	06/12/23 10:28	06/15/23 01:45	375-85-9	N2
Perfluorohexanesulfonic acid	**<0.022**	ug/kg	0.093	0.022	1	06/12/23 10:28	06/15/23 01:45	355-46-4	N2
Perfluorononanoic acid	**<0.032**	ug/kg	0.10	0.032	1	06/12/23 10:28	06/15/23 01:45	375-95-1	N2
Perfluorooctanesulfonic acid	**<0.030**	ug/kg	0.095	0.030	1	06/12/23 10:28	06/15/23 01:45	1763-23-1	N2
Perfluorooctanoic acid	**<0.032**	ug/kg	0.10	0.032	1	06/12/23 10:28	06/15/23 01:45	335-67-1	N2
Perfluorotetradecanoic acid	**<0.035**	ug/kg	0.10	0.035	1	06/12/23 10:28	06/15/23 01:45	376-06-7	N2
Perfluorotridecanoic acid	**<0.032**	ug/kg	0.10	0.032	1	06/12/23 10:28	06/15/23 01:45	72629-94-8	N2
Perfluoroundecanoic acid	**<0.031**	ug/kg	0.10	0.031	1	06/12/23 10:28	06/15/23 01:45	2058-94-8	N2
Surrogates									
13C2-PFDoA (S)	96	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C2-PFTA (S)	93	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C24:2FTS (S)	86	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: SOIL DRUM **Lab ID: 40262763026** Collected: 05/24/23 15:25 Received: 05/26/23 09:45 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WI ID SL	Analytical Method: ENV-SOP-MIN4-0178 Preparation Method: ENV-SOP-MIN4-0178 Pace Analytical Services - Minneapolis								
Surrogates									
13C26:2FTS (S)	134	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C28:2FTS (S)	109	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C2PFHxDA (S)	92	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C3-PFBS (S)	88	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	375-73-5	
13C3-PFHxS (S)	90	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	355-46-4	
13C3HFPO-DA (S)	79	%.	25-150		1	06/12/23 10:28	06/15/23 01:45		
13C4-PFBA (S)	85	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	375-22-4	
13C4-PFHpA (S)	93	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	375-85-9	
13C5-PFHxA (S)	87	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	307-24-4	
13C5-PFPeA (S)	88	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	2706-90-3	
13C6-PFDA (S)	91	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	335-76-2	
13C7-PFUdA (S)	94	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	2058-94-8	
13C8-PFOA (S)	91	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	335-67-1	
13C8-PFOS (S)	90	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	1763-23-1	
13C8-PFOSA (S)	91	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	754-91-6	
13C9-PFNA (S)	81	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	375-95-1	
d3-MeFOSAA (S)	106	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	2355-31-9	
d3-NMeFOSA (S)	89	%.	10-150		1	06/12/23 10:28	06/15/23 01:45	31506-32-8	
d5-EtFOSAA (S)	108	%.	25-150		1	06/12/23 10:28	06/15/23 01:45	2991-50-6	
d5-NEtFOSA (S)	94	%.	10-150		1	06/12/23 10:28	06/15/23 01:45	4151-50-2	
d7-NMeFOSE (S)	102	%.	10-150		1	06/12/23 10:28	06/15/23 01:45	24448-09-7	
d9-NEtFOSE (S)	108	%.	10-150		1	06/12/23 10:28	06/15/23 01:45	1691-99-2	

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-2 **Lab ID: 40262763027** Collected: 05/22/23 00:00 Received: 05/26/23 09:45 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								
10:2 FTS	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 23:13	120226-60-0	N2
11Cl-PF3OUdS	**<0.55**	ng/L	1.8	0.55	1	06/15/23 17:13	07/13/23 23:13	763051-92-9	N2
4:2 FTS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 23:13	757124-72-4	N2
6:2 FTS	**305**	ng/L	18.7	6.6	10	06/15/23 17:13	07/14/23 16:42	27619-97-2	H5,N2
8:2 FTS	**<0.50**	ng/L	1.9	0.50	1	06/15/23 17:13	07/13/23 23:13	39108-34-4	N2
9Cl-PF3ONS	**<0.46**	ng/L	1.8	0.46	1	06/15/23 17:13	07/13/23 23:13	756426-58-1	N2
ADONA	**<0.90**	ng/L	1.9	0.90	1	06/15/23 17:13	07/13/23 23:13	919005-14-4	N2
HFPO-DA	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 23:13	13252-13-6	N2
NEtFOSAA	**<0.80**	ng/L	2.0	0.80	1	06/15/23 17:13	07/13/23 23:13	2991-50-6	N2
NEtFOSA	**<0.56**	ng/L	2.0	0.56	1	06/15/23 17:13	07/13/23 23:13	4151-50-2	N2
NEtFOSE	**<0.87**	ng/L	2.0	0.87	1	06/15/23 17:13	07/13/23 23:13	1691-99-2	N2
NMeFOSAA	**<0.68**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 23:13	2355-31-9	N2
NMeFOSA	**<0.54**	ng/L	2.0	0.54	1	06/15/23 17:13	07/13/23 23:13	31506-32-8	N2
NMeFOSE	**<0.51**	ng/L	2.0	0.51	1	06/15/23 17:13	07/13/23 23:13	24448-09-7	N2
Perfluorobutanesulfonic acid	**10.9**	ng/L	1.7	0.48	1	06/15/23 17:13	07/13/23 23:13	375-73-5	N2
Perfluorodecanoic acid	**7.3**	ng/L	2.0	0.60	1	06/15/23 17:13	07/13/23 23:13	335-76-2	N2
Perfluorohexanoic acid	**153**	ng/L	2.0	0.89	1	06/15/23 17:13	07/13/23 23:13	307-24-4	N2
PFBA	**113**	ng/L	2.0	0.49	1	06/15/23 17:13	07/13/23 23:13	375-22-4	N2
PFDS	**<0.63**	ng/L	1.9	0.63	1	06/15/23 17:13	07/13/23 23:13	335-77-3	N2
PFDoS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 23:13	79780-39-5	N2
PFHpS	**2.7**	ng/L	1.9	0.66	1	06/15/23 17:13	07/13/23 23:13	375-92-8	N2
PFHxDA	**<0.44**	ng/L	2.0	0.44	1	06/15/23 17:13	07/13/23 23:13	67905-19-5	N2
PFNS	**<0.58**	ng/L	1.9	0.58	1	06/15/23 17:13	07/13/23 23:13	68259-12-1	N2
PFODA	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 23:13	16517-11-6	N2
PFOSA	**<0.70**	ng/L	2.0	0.70	1	06/15/23 17:13	07/13/23 23:13	754-91-6	N2
PFPeA	**194**	ng/L	2.0	0.81	1	06/15/23 17:13	07/13/23 23:13	2706-90-3	N2
PFPeS	**13.4**	ng/L	1.8	0.59	1	06/15/23 17:13	07/13/23 23:13	2706-91-4	N2
Perfluorododecanoic acid	**<0.47**	ng/L	2.0	0.47	1	06/15/23 17:13	07/13/23 23:13	307-55-1	N2
Perfluoroheptanoic acid	**152**	ng/L	2.0	0.68	1	06/15/23 17:13	07/13/23 23:13	375-85-9	N2
Perfluorohexanesulfonic acid	**218**	ng/L	17.9	5.2	10	06/15/23 17:13	07/14/23 16:42	355-46-4	H5,N2
Perfluorononanoic acid	**24.5**	ng/L	2.0	0.78	1	06/15/23 17:13	07/13/23 23:13	375-95-1	N2
Perfluorooctanesulfonic acid	**25.9**	ng/L	1.8	0.65	1	06/15/23 17:13	07/13/23 23:13	1763-23-1	N2
Perfluorooctanoic acid	**417**	ng/L	19.7	8.5	10	06/15/23 17:13	07/14/23 16:42	335-67-1	H5,N2
Perfluorotetradecanoic acid	**<0.59**	ng/L	2.0	0.59	1	06/15/23 17:13	07/13/23 23:13	376-06-7	N2
Perfluorotridecanoic acid	**<0.61**	ng/L	2.0	0.61	1	06/15/23 17:13	07/13/23 23:13	72629-94-8	N2
Perfluoroundecanoic acid	**<0.48**	ng/L	2.0	0.48	1	06/15/23 17:13	07/13/23 23:13	2058-94-8	N2
Surrogates									
13C4-PFBA (S)	106	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	375-22-4	
13C5-PFPeA (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	2706-90-3	
13C3-PFBS (S)	140	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	375-73-5	
13C24:2FTS (S)	188	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		S0
13C3HFPO-DA (S)	122	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		
13C4-PFHpA (S)	130	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	375-85-9	
13C3-PFHxS (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	355-46-4	
13C26:2FTS (S)	156	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		S0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Sample: MW-2 **Lab ID: 40262763027** Collected: 05/22/23 00:00 Received: 05/26/23 09:45 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									
13C8-PFOA (S)	127	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	335-67-1	
13C8-PFOS (S)	131	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	1763-23-1	
13C9-PFNA (S)	139	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	375-95-1	
13C6-PFDA (S)	173	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	335-76-2	S0
13C28:2FTS (S)	331	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		S0
d3-MeFOSAA (S)	119	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	2355-31-9	
13C7-PFUdA (S)	154	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	2058-94-8	S0
13C8-PFOSA (S)	109	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	754-91-6	
d5-EtFOSAA (S)	123	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	2991-50-6	
13C2-PFDoA (S)	145	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		
d3-NMeFOSA (S)	53	%.	10-150		1	06/15/23 17:13	07/13/23 23:13	31506-32-8	
d7-NMeFOSE (S)	73	%.	10-150		1	06/15/23 17:13	07/13/23 23:13	24448-09-7	
13C2-PFTA (S)	146	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		
d9-NEtFOSE (S)	74	%.	10-150		1	06/15/23 17:13	07/13/23 23:13	1691-99-2	
d5-NEtFOSA (S)	54	%.	10-150		1	06/15/23 17:13	07/13/23 23:13	4151-50-2	
13C2PFHxDA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 23:13		
13C5-PFHxA (S)	133	%.	25-150		1	06/15/23 17:13	07/13/23 23:13	307-24-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

QC Batch: 890560
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight / %M by ASTM D2974
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 40262763026

SAMPLE DUPLICATE: 4692141

Parameter	Units	40262763026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.2	3.1	2	30	N2

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

QC Batch: 887045
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: 40262763006, 40262763007, 40262763008, 40262763009, 40262763010, 40262763011, 40262763013, 40262763014, 40262763015, 40262763016, 40262763017, 40262763018, 40262763019, 40262763021, 40262763022, 40262763023, 40262763024, 40262763025, 40262763027

METHOD BLANK: 4674260
Matrix: Water
Associated Lab Samples: 40262763006, 40262763007, 40262763008, 40262763009, 40262763010, 40262763011, 40262763013, 40262763014, 40262763015, 40262763016, 40262763017, 40262763018, 40262763019, 40262763021, 40262763022, 40262763023, 40262763024, 40262763025, 40262763027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
10:2 FTS	ng/L	<0.91	1.9	07/13/23 20:18	N2
11Cl-PF3OUdS	ng/L	<0.55	1.9	07/13/23 20:18	N2
4:2 FTS	ng/L	<0.46	1.9	07/13/23 20:18	N2
6:2 FTS	ng/L	<0.67	1.9	07/13/23 20:18	N2
8:2 FTS	ng/L	<0.50	1.9	07/13/23 20:18	N2
9Cl-PF3ONS	ng/L	<0.47	1.9	07/13/23 20:18	N2
ADONA	ng/L	<0.91	1.9	07/13/23 20:18	N2
HFPO-DA	ng/L	<0.49	2.0	07/13/23 20:18	N2
NEtFOSA	ng/L	<0.57	2.0	07/13/23 20:18	N2
NEtFOSAA	ng/L	<0.81	2.0	07/13/23 20:18	N2
NEtFOSE	ng/L	<0.88	2.0	07/13/23 20:18	N2
NMeFOSA	ng/L	<0.55	2.0	07/13/23 20:18	N2
NMeFOSAA	ng/L	<0.69	2.0	07/13/23 20:18	N2
NMeFOSE	ng/L	<0.52	2.0	07/13/23 20:18	N2
Perfluorobutanesulfonic acid	ng/L	<0.48	1.8	07/13/23 20:18	N2
Perfluorodecanoic acid	ng/L	<0.61	2.0	07/13/23 20:18	N2
Perfluorododecanoic acid	ng/L	<0.48	2.0	07/13/23 20:18	N2
Perfluoroheptanoic acid	ng/L	<0.69	2.0	07/13/23 20:18	N2
Perfluorohexanesulfonic acid	ng/L	<0.53	1.8	07/13/23 20:18	N2
Perfluorohexanoic acid	ng/L	<0.91	2.0	07/13/23 20:18	N2
Perfluorononanoic acid	ng/L	<0.79	2.0	07/13/23 20:18	N2
Perfluorooctanesulfonic acid	ng/L	<0.66	1.8	07/13/23 20:18	N2
Perfluorooctanoic acid	ng/L	<0.86	2.0	07/13/23 20:18	N2
Perfluorotetradecanoic acid	ng/L	<0.60	2.0	07/13/23 20:18	N2
Perfluorotridecanoic acid	ng/L	<0.62	2.0	07/13/23 20:18	N2
Perfluoroundecanoic acid	ng/L	<0.48	2.0	07/13/23 20:18	N2
PFBA	ng/L	<0.50	2.0	07/13/23 20:18	N2
PFDoS	ng/L	<0.59	1.9	07/13/23 20:18	N2
PFDS	ng/L	<0.64	1.9	07/13/23 20:18	N2
PFHpS	ng/L	<0.66	1.9	07/13/23 20:18	N2
PFHxDA	ng/L	<0.45	2.0	07/13/23 20:18	N2
PFNS	ng/L	<0.58	1.9	07/13/23 20:18	N2
PFODA	ng/L	<0.61	2.0	07/13/23 20:18	N2
PFOSA	ng/L	<0.71	2.0	07/13/23 20:18	N2
PFPeA	ng/L	<0.82	2.0	07/13/23 20:18	N2
PFPeS	ng/L	<0.60	1.9	07/13/23 20:18	N2
13C2-PFDoA (S)	%.	172	25-150	07/13/23 20:18	S3

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

METHOD BLANK: 4674260 Matrix: Water

Associated Lab Samples: 40262763006, 40262763007, 40262763008, 40262763009, 40262763010, 40262763011, 40262763013, 40262763014, 40262763015, 40262763016, 40262763017, 40262763018, 40262763019, 40262763021, 40262763022, 40262763023, 40262763024, 40262763025, 40262763027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C2-PFTA (S)	%.	163	25-150	07/13/23 20:18	S3
13C24:2FTS (S)	%.	159	25-150	07/13/23 20:18	S3
13C26:2FTS (S)	%.	162	25-150	07/13/23 20:18	S3
13C28:2FTS (S)	%.	246	25-150	07/13/23 20:18	S3
13C2PFHxDA (S)	%.	127	25-150	07/13/23 20:18	
13C3-PFBS (S)	%.	157	25-150	07/13/23 20:18	S3
13C3-PFHxS (S)	%.	160	25-150	07/13/23 20:18	S3
13C3HFPO-DA (S)	%.	135	25-150	07/13/23 20:18	
13C4-PFBA (S)	%.	129	25-150	07/13/23 20:18	
13C4-PFHpA (S)	%.	151	25-150	07/13/23 20:18	S3
13C5-PFHxA (S)	%.	147	25-150	07/13/23 20:18	
13C5-PFPeA (S)	%.	141	25-150	07/13/23 20:18	
13C6-PFDA (S)	%.	192	25-150	07/13/23 20:18	S3
13C7-PFUdA (S)	%.	169	25-150	07/13/23 20:18	S3
13C8-PFOA (S)	%.	150	25-150	07/13/23 20:18	
13C8-PFOS (S)	%.	144	25-150	07/13/23 20:18	
13C8-PFOSA (S)	%.	123	25-150	07/13/23 20:18	
13C9-PFNA (S)	%.	150	25-150	07/13/23 20:18	
d3-MeFOSAA (S)	%.	151	25-150	07/13/23 20:18	S3
d3-NMeFOSA (S)	%.	86	20-150	07/13/23 20:18	
d5-EtFOSAA (S)	%.	150	25-150	07/13/23 20:18	
d5-NEtFOSA (S)	%.	88	20-150	07/13/23 20:18	
d7-NMeFOSE (S)	%.	106	20-150	07/13/23 20:18	
d9-NEtFOSE (S)	%.	102	20-150	07/13/23 20:18	

LABORATORY CONTROL SAMPLE & LCSD: 4674261 4677443

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
10:2 FTS	ng/L	3.7	3.2	1.9	84	51	50-150	50	30	N2,R1
11Cl-PF3OUdS	ng/L	3.7	3.5	3.7	95	101	50-150	4	30	N2
4:2 FTS	ng/L	3.6	3.3	3.2	91	88	50-150	4	30	N2
6:2 FTS	ng/L	3.7	3.2	3.6	87	100	50-150	12	30	N2
8:2 FTS	ng/L	3.7	2.8	3.2	74	87	50-150	16	30	N2
9Cl-PF3ONS	ng/L	3.6	3.6	3.6	98	100	50-150	1	30	N2
ADONA	ng/L	3.7	3.0	3.1	82	85	50-150	2	30	N2
HFPO-DA	ng/L	3.9	3.6	3.6	93	94	50-150	0	30	N2
NEtFOSA	ng/L	3.9	3.5	3.6	89	94	50-150	3	30	N2
NEtFOSAA	ng/L	3.9	2.9	3.1	75	80	50-150	5	30	N2
NEtFOSE	ng/L	3.9	3.1	3.7	80	95	50-150	16	30	N2
NMeFOSA	ng/L	3.9	2.8	3.8	72	98	50-150	30	30	N2
NMeFOSAA	ng/L	3.9	3.5	3.3	90	85	50-150	6	30	N2
NMeFOSE	ng/L	3.9	3.6	3.2	93	84	50-150	11	30	N2

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

LABORATORY CONTROL SAMPLE & LCSD: 4674261 4677443

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Perfluorobutanesulfonic acid	ng/L	3.4	3.1	3.2	91	94	50-150	2	30	N2
Perfluorodecanoic acid	ng/L	3.9	3.2	3.3	82	86	50-150	3	30	N2
Perfluorododecanoic acid	ng/L	3.9	3.9	3.4	99	89	50-150	11	30	N2
Perfluoroheptanoic acid	ng/L	3.9	3.2	3.4	83	89	50-150	7	30	N2
Perfluorohexanesulfonic acid	ng/L	3.6	3.0	3.1	84	89	50-150	5	30	N2
Perfluorohexanoic acid	ng/L	3.9	3.4	3.5	87	91	50-150	4	30	N2
Perfluorononanoic acid	ng/L	3.9	3.2	3.2	83	82	50-150	2	30	N2
Perfluorooctanesulfonic acid	ng/L	3.6	3.1	3.6	86	101	50-150	15	30	N2
Perfluorooctanoic acid	ng/L	3.9	3.3	3.5	84	91	50-150	6	30	N2
Perfluorotetradecanoic acid	ng/L	3.9	3.3	3.5	85	91	50-150	5	30	N2
Perfluorotridecanoic acid	ng/L	3.9	3.3	3.5	84	90	50-150	6	30	N2
Perfluoroundecanoic acid	ng/L	3.9	3.5	3.1	89	80	50-150	11	30	N2
PFBA	ng/L	3.9	3.4	3.3	87	85	50-150	4	30	N2
PFDoS	ng/L	3.8	2.9	3.1	76	82	50-150	7	30	N2
PFDS	ng/L	3.7	3.1	3.7	84	100	50-150	16	30	N2
PFHpS	ng/L	3.7	3.0	3.7	80	102	50-150	24	30	N2
PFHxDA	ng/L	3.9	3.3	3.5	84	92	50-150	8	30	N2
PFNS	ng/L	3.7	3.6	3.8	97	104	50-150	6	30	N2
PFODA	ng/L	3.9	3.1	3.6	79	93	50-150	15	30	N2
PFOSA	ng/L	3.9	3.3	3.3	84	86	50-150	1	30	N2
PFPeA	ng/L	3.9	3.4	3.4	88	89	50-150	0	30	N2
PFPeS	ng/L	3.7	3.2	3.2	87	88	50-150	0	30	N2
13C2-PFDoA (S)	%.				153	136	25-150			S0
13C2-PFTA (S)	%.				130	131	25-150			
13C24:2FTS (S)	%.				134	135	25-150			
13C26:2FTS (S)	%.				145	134	25-150			
13C28:2FTS (S)	%.				153	207	25-150			S0
13C2PFHxDA (S)	%.				105	104	25-150			
13C3-PFBS (S)	%.				137	132	25-150			
13C3-PFHxS (S)	%.				127	132	25-150			
13C3HFPO-DA (S)	%.				125	115	25-150			
13C4-PFBA (S)	%.				127	106	25-150			
13C4-PFHpA (S)	%.				129	125	25-150			
13C5-PFHxA (S)	%.				130	123	25-150			
13C5-PFPeA (S)	%.				128	116	25-150			
13C6-PFDA (S)	%.				157	164	25-150			S0
13C7-PFUdA (S)	%.				147	146	25-150			
13C8-PFOA (S)	%.				133	127	25-150			
13C8-PFOS (S)	%.				129	114	25-150			
13C8-PFOSA (S)	%.				109	108	25-150			
13C9-PFNA (S)	%.				136	126	25-150			
d3-MeFOSAA (S)	%.				132	125	25-150			
d3-NMeFOSA (S)	%.				75	84	20-150			
d5-EtFOSAA (S)	%.				133	128	25-150			
d5-NEtFOSA (S)	%.				77	88	20-150			
d7-NMeFOSE (S)	%.				96	99	20-150			
d9-NEtFOSE (S)	%.				90	90	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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

MATRIX SPIKE SAMPLE: 4677444

Parameter	Units	40262763015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
10:2 FTS	ng/L	<0.91	3.9	1.5J	39	50-150	M1,N2
11Cl-PF3OUdS	ng/L	<0.55	3.8	6.6	174	50-150	M1,N2
4:2 FTS	ng/L	<0.46	3.8	3.5	90	50-150	N2
6:2 FTS	ng/L	6.3	3.8	12.0	150	50-150	N2
8:2 FTS	ng/L	22.5	3.9	32.2	250	50-150	M1,N2
9Cl-PF3ONS	ng/L	<0.47	3.8	7.5	199	50-150	M1,N2
ADONA	ng/L	<0.91	3.8	2.9	75	50-150	N2
HFPO-DA	ng/L	<0.49	4	3.7	91	50-150	N2
NEtFOSA	ng/L	<0.57	4	7.3	180	50-150	M1,N2
NEtFOSAA	ng/L	<0.81	4	3.5	86	50-150	N2
NEtFOSE	ng/L	<0.88	4	3.7	91	50-150	N2
NMeFOSA	ng/L	<0.55	4	3.5	86	50-150	N2
NMeFOSAA	ng/L	<0.69	4	3.4	84	50-150	N2
NMeFOSE	ng/L	<0.52	4	3.2	79	50-150	N2
Perfluorobutanesulfonic acid	ng/L	5.9	3.6	10.2	120	50-150	N2
Perfluorodecanoic acid	ng/L	1.8J	4	5.6	94	50-150	N2
Perfluorododecanoic acid	ng/L	<0.48	4	3.2	79	50-150	N2
Perfluoroheptanoic acid	ng/L	47.4	4	60.8	330	50-150	M1,N2
Perfluorohexanesulfonic acid	ng/L	409	3.7	494	2280	50-150	H1,M1,N2
Perfluorohexanoic acid	ng/L	84.6	4	106	534	50-150	M1,N2
Perfluorononanoic acid	ng/L	13.1	4	18.9	143	50-150	N2
Perfluorooctanesulfonic acid	ng/L	2130	3.8	2830	18600	50-150	H5,M1,N2
Perfluorooctanoic acid	ng/L	30.4	4	40.2	241	50-150	M1,N2
Perfluorotetradecanoic acid	ng/L	<0.60	4	3.7	90	50-150	N2
Perfluorotridecanoic acid	ng/L	<0.62	4	3.4	85	50-150	N2
Perfluoroundecanoic acid	ng/L	<0.48	4	3.5	87	50-150	N2
PFBA	ng/L	12.3	4	18.3	148	50-150	N2
PFDoS	ng/L	<0.59	3.9	6.3	160	50-150	M1,N2
PFDS	ng/L	<0.64	3.9	7.1	181	50-150	M1,N2
PFHpS	ng/L	12.2	3.9	24.1	308	50-150	M1,N2
PFHxDA	ng/L	<0.45	4	3.6	84	50-150	N2
PFNS	ng/L	8.8	3.9	11.4	67	50-150	N2
PFODA	ng/L	<0.61	4	<0.62	12	50-150	M1,N2
PFOSA	ng/L	<0.71	4	4.2	94	50-150	N2
PFPeA	ng/L	31.5	4	40.5	221	50-150	M1,N2
PFPeS	ng/L	13.5	3.8	21.6	211	50-150	M1,N2
13C2-PFDoA (S)	%.				161	25-150	S0
13C2-PFTA (S)	%.				116	25-150	
13C24:2FTS (S)	%.				142	25-150	
13C26:2FTS (S)	%.				150	25-150	
13C28:2FTS (S)	%.				303	25-150	S0
13C2PFHxDA (S)	%.				48	25-150	
13C3-PFBS (S)	%.				156	25-150	S0
13C3-PFHxS (S)	%.				126	25-150	
13C3HFPO-DA (S)	%.				146	25-150	
13C4-PFBA (S)	%.				143	25-150	
13C4-PFHpA (S)	%.				143	25-150	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

MATRIX SPIKE SAMPLE: 4677444

Parameter	Units	40262763015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
13C5-PFHxA (S)	%.				150	25-150	
13C5-PFPeA (S)	%.				148	25-150	
13C6-PFDA (S)	%.				214	25-150	S0
13C7-PFUdA (S)	%.				168	25-150	S0
13C8-PFOA (S)	%.				153	25-150	S0
13C8-PFOS (S)	%.				72	25-150	
13C8-PFOSA (S)	%.				83	25-150	
13C9-PFNA (S)	%.				76	25-150	
d3-MeFOSAA (S)	%.				157	25-150	S0
d3-NMeFOSA (S)	%.				1	10-150	S0
d5-EtFOSAA (S)	%.				147	25-150	
d5-NEtFOSA (S)	%.				1	10-150	S0
d7-NMeFOSE (S)	%.				30	10-150	
d9-NEtFOSE (S)	%.				25	10-150	

SAMPLE DUPLICATE: 4677445

Parameter	Units	40262763024 Result	Dup Result	RPD	Max RPD	Qualifiers
10:2 FTS	ng/L	<1.1	<1.0		30	N2
11Cl-PF3OUdS	ng/L	<0.65	<0.61		30	N2
4:2 FTS	ng/L	<0.54	<0.51		30	N2
6:2 FTS	ng/L	<0.78	<0.74		30	N2
8:2 FTS	ng/L	<0.59	<0.55		30	N2
9Cl-PF3ONS	ng/L	<0.55	<0.52		30	N2
ADONA	ng/L	<1.1	<1.0		30	N2
HFPO-DA	ng/L	<0.57	<0.54		30	N2
NEtFOSA	ng/L	<0.67	<0.63		30	N2
NEtFOSAA	ng/L	<0.95	<0.90		30	N2
NEtFOSE	ng/L	<1.0	<0.98		30	N2
NMeFOSA	ng/L	<0.64	<0.61		30	N2
NMeFOSAA	ng/L	<0.81	<0.76		30	N2
NMeFOSE	ng/L	<0.61	<0.57		30	N2
Perfluorobutanesulfonic acid	ng/L	<0.56	<0.53		30	N2
Perfluorodecanoic acid	ng/L	<0.71	<0.67		30	N2
Perfluorododecanoic acid	ng/L	<0.56	<0.53		30	N2
Perfluoroheptanoic acid	ng/L	<0.80	<0.76		30	N2
Perfluorohexanesulfonic acid	ng/L	<0.62	<0.58		30	N2
Perfluorohexanoic acid	ng/L	<1.1	<1.0		30	N2
Perfluorononanoic acid	ng/L	<0.92	<0.87		30	N2
Perfluorooctanesulfonic acid	ng/L	<0.77	<0.73		30	N2
Perfluorooctanoic acid	ng/L	<1.0	<0.95		30	N2
Perfluorotetradecanoic acid	ng/L	<0.70	<0.66		30	N2
Perfluorotridecanoic acid	ng/L	<0.72	<0.68		30	N2
Perfluoroundecanoic acid	ng/L	<0.57	<0.53		30	N2
PFBA	ng/L	<0.58	<0.55		30	N2

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

SAMPLE DUPLICATE: 4677445

Parameter	Units	40262763024 Result	Dup Result	RPD	Max RPD	Qualifiers
PFDoS	ng/L	<0.69	<0.65		30	N2
PFDS	ng/L	<0.75	<0.70		30	N2
PFHpS	ng/L	<0.78	<0.73		30	N2
PFHxDA	ng/L	<0.52	<0.49		30	N2
PFNS	ng/L	<0.68	<0.64		30	N2
PFODA	ng/L	<0.72	<0.68		30	N2
PFOSA	ng/L	<0.83	<0.79		30	N2
PFPeA	ng/L	<0.95	<0.90		30	N2
PFPeS	ng/L	<0.70	<0.66		30	N2
13C2-PFDoA (S)	%.	18	6			S0
13C2-PFTA (S)	%.	201	224			S3
13C24:2FTS (S)	%.	216	317			S3
13C26:2FTS (S)	%.	392	560			S3
13C28:2FTS (S)	%.	9	8			S0
13C2PFHxDA (S)	%.	174	201			S3
13C3-PFBS (S)	%.	162	175			S3
13C3-PFHxS (S)	%.	162	182			S3
13C3HFPO-DA (S)	%.	120	117			
13C4-PFBA (S)	%.	139	156			
13C4-PFHpA (S)	%.	166	186			S3
13C5-PFHxA (S)	%.	140	132			
13C5-PFPeA (S)	%.	149	167			S3
13C6-PFDA (S)	%.	7	7			S0
13C7-PFUdA (S)	%.	195	215			S3
13C8-PFOA (S)	%.	172	188			S3
13C8-PFOS (S)	%.	141	138			
13C8-PFOSA (S)	%.	13	2			S0
13C9-PFNA (S)	%.	165	155			S3
d3-MeFOSAA (S)	%.	69	78			
d3-NMeFOSA (S)	%.	82	97			
d5-EtFOSAA (S)	%.	154	182			S3
d5-NEtFOSA (S)	%.	89	107			
d7-NMeFOSE (S)	%.	147	159			S3
d9-NEtFOSE (S)	%.	132	155			S3

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

QC Batch: 887954 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: 40262763001, 40262763002, 40262763003, 40262763004, 40262763005, 40262763012, 40262763020

METHOD BLANK: 4678702 Matrix: Water
Associated Lab Samples: 40262763001, 40262763002, 40262763003, 40262763004, 40262763005, 40262763012, 40262763020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
10:2 FTS	ng/L	<0.89	1.9	07/15/23 17:52	N2
11Cl-PF3OUdS	ng/L	<0.54	1.8	07/15/23 17:52	N2
4:2 FTS	ng/L	<0.45	1.8	07/15/23 17:52	N2
6:2 FTS	ng/L	<0.66	1.9	07/15/23 17:52	N2
8:2 FTS	ng/L	<0.49	1.9	07/15/23 17:52	N2
9Cl-PF3ONS	ng/L	<0.46	1.8	07/15/23 17:52	N2
ADONA	ng/L	<0.89	1.8	07/15/23 17:52	N2
HFPO-DA	ng/L	<0.48	1.9	07/15/23 17:52	N2
NEtFOSA	ng/L	<0.56	1.9	07/15/23 17:52	N2
NEtFOSAA	ng/L	<0.80	1.9	07/15/23 17:52	N2
NEtFOSE	ng/L	<0.87	1.9	07/15/23 17:52	N2
NMeFOSA	ng/L	<0.54	1.9	07/15/23 17:52	N2
NMeFOSAA	ng/L	<0.68	1.9	07/15/23 17:52	N2
NMeFOSE	ng/L	<0.51	1.9	07/15/23 17:52	N2
Perfluorobutanesulfonic acid	ng/L	<0.47	1.7	07/15/23 17:52	N2
Perfluorodecanoic acid	ng/L	<0.59	1.9	07/15/23 17:52	N2
Perfluorododecanoic acid	ng/L	<0.47	1.9	07/15/23 17:52	N2
Perfluoroheptanoic acid	ng/L	<0.67	1.9	07/15/23 17:52	N2
Perfluorohexanesulfonic acid	ng/L	<0.52	1.8	07/15/23 17:52	N2
Perfluorohexanoic acid	ng/L	<0.89	1.9	07/15/23 17:52	N2
Perfluorononanoic acid	ng/L	<0.77	1.9	07/15/23 17:52	N2
Perfluorooctanesulfonic acid	ng/L	<0.65	1.8	07/15/23 17:52	N2
Perfluorooctanoic acid	ng/L	<0.84	1.9	07/15/23 17:52	N2
Perfluorotetradecanoic acid	ng/L	<0.58	1.9	07/15/23 17:52	N2
Perfluorotridecanoic acid	ng/L	<0.61	1.9	07/15/23 17:52	N2
Perfluoroundecanoic acid	ng/L	<0.47	1.9	07/15/23 17:52	N2
PFBA	ng/L	<0.49	1.9	07/15/23 17:52	N2
PFDoS	ng/L	<0.58	1.9	07/15/23 17:52	N2
PFDS	ng/L	<0.62	1.9	07/15/23 17:52	N2
PFHpS	ng/L	<0.65	1.9	07/15/23 17:52	N2
PFHxDA	ng/L	<0.44	1.9	07/15/23 17:52	N2
PFNS	ng/L	<0.57	1.9	07/15/23 17:52	N2
PFODA	ng/L	<0.60	1.9	07/15/23 17:52	N2
PFOSA	ng/L	<0.70	1.9	07/15/23 17:52	N2
PFPeA	ng/L	<0.80	1.9	07/15/23 17:52	N2
PFPeS	ng/L	<0.59	1.8	07/15/23 17:52	N2
13C2-PFDoA (S)	%.	83	25-150	07/15/23 17:52	
13C2-PFTA (S)	%.	70	25-150	07/15/23 17:52	
13C24:2FTS (S)	%.	106	25-150	07/15/23 17:52	
13C26:2FTS (S)	%.	100	25-150	07/15/23 17:52	

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

METHOD BLANK: 4678702 Matrix: Water
Associated Lab Samples: 40262763001, 40262763002, 40262763003, 40262763004, 40262763005, 40262763012, 40262763020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C28:2FTS (S)	%.	80	25-150	07/15/23 17:52	
13C2PFHxDA (S)	%.	80	25-150	07/15/23 17:52	
13C3-PFBS (S)	%.	144	25-150	07/15/23 17:52	
13C3-PFHxS (S)	%.	103	25-150	07/15/23 17:52	
13C3HFPO-DA (S)	%.	111	25-150	07/15/23 17:52	
13C4-PFBA (S)	%.	160	25-150	07/15/23 17:52	S3
13C4-PFHpA (S)	%.	104	25-150	07/15/23 17:52	
13C5-PFHxA (S)	%.	120	25-150	07/15/23 17:52	
13C5-PFPeA (S)	%.	136	25-150	07/15/23 17:52	
13C6-PFDA (S)	%.	93	25-150	07/15/23 17:52	
13C7-PFUdA (S)	%.	93	25-150	07/15/23 17:52	
13C8-PFOA (S)	%.	102	25-150	07/15/23 17:52	
13C8-PFOS (S)	%.	105	25-150	07/15/23 17:52	
13C8-PFOSA (S)	%.	84	25-150	07/15/23 17:52	
13C9-PFNA (S)	%.	115	25-150	07/15/23 17:52	
d3-MeFOSAA (S)	%.	75	25-150	07/15/23 17:52	
d3-NMeFOSA (S)	%.	63	20-150	07/15/23 17:52	
d5-EtFOSAA (S)	%.	80	25-150	07/15/23 17:52	
d5-NEtFOSA (S)	%.	69	20-150	07/15/23 17:52	
d7-NMeFOSE (S)	%.	67	20-150	07/15/23 17:52	
d9-NEtFOSE (S)	%.	60	20-150	07/15/23 17:52	

LABORATORY CONTROL SAMPLE & LCSD: 4678703 4679429

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
10:2 FTS	ng/L	3.8	3.3	3.7	88	101	50-150	11	30	N2
11Cl-PF3OUdS	ng/L	3.7	3.0	2.8	82	78	50-150	7	30	N2
4:2 FTS	ng/L	3.6	3.8	3.8	103	106	50-150	0	30	N2
6:2 FTS	ng/L	3.7	3.8	3.4	103	96	50-150	10	30	N2
8:2 FTS	ng/L	3.7	3.8	3.7	102	100	50-150	5	30	N2
9Cl-PF3ONS	ng/L	3.6	2.9	2.7	79	77	50-150	5	30	N2
ADONA	ng/L	3.7	3.5	3.3	96	93	50-150	5	30	N2
HFPO-DA	ng/L	3.9	3.7	3.6	95	94	50-150	3	30	N2
NEtFOSA	ng/L	3.9	3.5	3.4	89	91	50-150	1	30	N2
NEtFOSAA	ng/L	3.9	3.5	3.9	90	104	50-150	11	30	N2
NEtFOSE	ng/L	3.9	3.6	3.7	93	99	50-150	3	30	N2
NMeFOSA	ng/L	3.9	3.7	3.4	95	89	50-150	9	30	N2
NMeFOSAA	ng/L	3.9	3.8	3.9	96	102	50-150	3	30	N2
NMeFOSE	ng/L	3.9	3.4	3.5	88	92	50-150	2	30	N2
Perfluorobutanesulfonic acid	ng/L	3.4	3.5	3.4	102	100	50-150	4	30	N2
Perfluorodecanoic acid	ng/L	3.9	3.7	3.7	96	98	50-150	1	30	N2
Perfluorododecanoic acid	ng/L	3.9	3.7	3.7	94	98	50-150	1	30	N2
Perfluoroheptanoic acid	ng/L	3.9	3.9	3.7	99	99	50-150	3	30	N2
Perfluorohexanesulfonic acid	ng/L	3.6	3.5	3.3	98	95	50-150	5	30	N2

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

LABORATORY CONTROL SAMPLE & LCSD: 4678703 4679429

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Perfluorohexanoic acid	ng/L	3.9	3.8	3.7	98	97	50-150	5	30	N2
Perfluorononanoic acid	ng/L	3.9	3.6	3.6	93	96	50-150	0	30	N2
Perfluorooctanesulfonic acid	ng/L	3.6	3.5	3.3	97	95	50-150	5	30	N2
Perfluorooctanoic acid	ng/L	3.9	4.0	3.8	102	99	50-150	6	30	N2
Perfluorotetradecanoic acid	ng/L	3.9	3.9	3.6	100	96	50-150	6	30	N2
Perfluorotridecanoic acid	ng/L	3.9	3.4	3.4	87	90	50-150	1	30	N2
Perfluoroundecanoic acid	ng/L	3.9	3.6	3.5	93	91	50-150	4	30	N2
PFBA	ng/L	3.9	4.2	3.7	108	97	50-150	13	30	N2
PFDoS	ng/L	3.8	2.7	2.7	70	72	50-150	0	30	N2
PFDS	ng/L	3.8	3.3	2.9	87	79	50-150	12	30	N2
PFHpS	ng/L	3.7	3.4	3.0	90	84	50-150	10	30	N2
PFHxDA	ng/L	3.9	3.7	3.7	96	99	50-150	0	30	N2
PFNS	ng/L	3.7	2.9	3.2	79	87	50-150	8	30	N2
PFODA	ng/L	3.9	3.8	3.7	98	99	50-150	1	30	N2
PFOSA	ng/L	3.9	3.8	4.0	99	106	50-150	4	30	N2
PFPeA	ng/L	3.9	3.9	3.7	100	99	50-150	4	30	N2
PFPeS	ng/L	3.7	4.0	4.1	110	114	50-150	1	30	N2
13C2-PFDoA (S)	%.				97	105	25-150			
13C2-PFTA (S)	%.				74	83	25-150			
13C24:2FTS (S)	%.				110	118	25-150			
13C26:2FTS (S)	%.				105	122	25-150			
13C28:2FTS (S)	%.				84	97	25-150			
13C2PFHxDA (S)	%.				78	86	25-150			
13C3-PFBS (S)	%.				151	163	25-150			S0
13C3-PFHxS (S)	%.				107	114	25-150			
13C3HFPO-DA (S)	%.				115	123	25-150			
13C4-PFBA (S)	%.				167	181	25-150			S0
13C4-PFHpA (S)	%.				108	116	25-150			
13C5-PFHxA (S)	%.				124	136	25-150			
13C5-PFPeA (S)	%.				143	154	25-150			S0
13C6-PFDA (S)	%.				103	114	25-150			
13C7-PFUdA (S)	%.				103	110	25-150			
13C8-PFOA (S)	%.				108	117	25-150			
13C8-PFOS (S)	%.				114	126	25-150			
13C8-PFOSA (S)	%.				84	96	25-150			
13C9-PFNA (S)	%.				119	133	25-150			
d3-MeFOSAA (S)	%.				82	88	25-150			
d3-NMeFOSA (S)	%.				65	78	20-150			
d5-EtFOSAA (S)	%.				84	92	25-150			
d5-NEtFOSA (S)	%.				72	81	20-150			
d7-NMeFOSE (S)	%.				64	78	20-150			
d9-NEtFOSE (S)	%.				58	67	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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

SAMPLE DUPLICATE: 4679433

Parameter	Units	40262763001 Result	Dup Result	RPD	Max RPD	Qualifiers
10:2 FTS	ng/L	<0.93	<0.90		30	N2
11Cl-PF3OUdS	ng/L	<0.56	<0.55		30	N2
4:2 FTS	ng/L	<0.47	<0.46		30	N2
6:2 FTS	ng/L	1.2J	<0.66		30	N2
8:2 FTS	ng/L	<0.51	<0.50		30	N2
9Cl-PF3ONS	ng/L	<0.47	<0.46		30	N2
ADONA	ng/L	<0.93	<0.90		30	N2
HFPO-DA	ng/L	<0.50	<0.48		30	N2
NEtFOSA	ng/L	<0.58	<0.56		30	N2
NEtFOSAA	ng/L	<0.82	<0.80		30	N2
NEtFOSE	ng/L	<0.90	<0.87		30	N2
NMeFOSA	ng/L	<0.56	<0.54		30	N2
NMeFOSAA	ng/L	<0.70	<0.68		30	N2
NMeFOSE	ng/L	<0.53	<0.51		30	N2
Perfluorobutanesulfonic acid	ng/L	8.5	8.2	3	30	N2
Perfluorodecanoic acid	ng/L	<0.61	<0.60		30	N2
Perfluorododecanoic acid	ng/L	<0.48	<0.47		30	N2
Perfluoroheptanoic acid	ng/L	<0.69	<0.68		30	N2
Perfluorohexanesulfonic acid	ng/L	223	220	1	30	H1,N2
Perfluorohexanoic acid	ng/L	4.0	4.0	1	30	N2
Perfluorononanoic acid	ng/L	<0.80	<0.78		30	N2
Perfluorooctanesulfonic acid	ng/L	1170	1100	6	30	H1,N2
Perfluorooctanoic acid	ng/L	2.6	2.4	8	30	N2
Perfluorotetradecanoic acid	ng/L	<0.61	<0.59		30	N2
Perfluorotridecanoic acid	ng/L	<0.63	<0.61		30	N2
Perfluoroundecanoic acid	ng/L	<0.49	<0.48		30	N2
PFBA	ng/L	3.9	3.6	7	30	N2
PFDoS	ng/L	<0.60	<0.58		30	N2
PFDS	ng/L	<0.65	<0.63		30	N2
PFHpS	ng/L	23.4	22.4	5	30	N2
PFHxDA	ng/L	<0.45	<0.44		30	N2
PFNS	ng/L	<0.59	<0.58		30	N2
PFODA	ng/L	<0.62	<0.61		30	N2
PFOSA	ng/L	<0.72	<0.70		30	N2
PFPeA	ng/L	1.2J	1.1J		30	N2
PFPeS	ng/L	17.8	17.4	2	30	N2
13C2-PFDoA (S)	%.	85	108			
13C2-PFTA (S)	%.	76	88			
13C24:2FTS (S)	%.	108	126			
13C26:2FTS (S)	%.	87	107			
13C28:2FTS (S)	%.	73	81			
13C2PFHxDA (S)	%.	82	101			
13C3-PFBS (S)	%.	158	180			S0
13C3-PFHxS (S)	%.	107	119			
13C3HFPO-DA (S)	%.	115	126			
13C4-PFBA (S)	%.	156	173			S0
13C4-PFHpA (S)	%.	103	117			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

SAMPLE DUPLICATE: 4679433

Parameter	Units	40262763001 Result	Dup Result	RPD	Max RPD	Qualifiers
13C5-PFHxA (S)	%.	123	138			
13C5-PFPeA (S)	%.	134	150			
13C6-PFDA (S)	%.	109	122			
13C7-PFUdA (S)	%.	94	112			
13C8-PFOA (S)	%.	106	122			
13C8-PFOS (S)	%.	105	118			
13C8-PFOSA (S)	%.	82	92			
13C9-PFNA (S)	%.	103	109			
d3-MeFOSAA (S)	%.	63	73			
d3-NMeFOSA (S)	%.	58	67			
d5-EtFOSAA (S)	%.	62	78			
d5-NEtFOSA (S)	%.	61	69			
d7-NMeFOSE (S)	%.	67	70			
d9-NEtFOSE (S)	%.	56	64			

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(920)469-2436

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

QC Batch: 885571
QC Batch Method: ENV-SOP-MIN4-0178
Analysis Method: ENV-SOP-MIN4-0178
Analysis Description: WI ID SL
Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 40262763026

METHOD BLANK: 4666521 Matrix: Solid
Associated Lab Samples: 40262763026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
10:2 FTS	ug/kg	<0.043	0.095	06/15/23 00:45	N2
11Cl-PF3OUdS	ug/kg	<0.025	0.092	06/15/23 00:45	N2
4:2 FTS	ug/kg	<0.023	0.092	06/15/23 00:45	N2
6:2 FTS	ug/kg	<0.040	0.093	06/15/23 00:45	N2
8:2 FTS	ug/kg	<0.043	0.095	06/15/23 00:45	N2
9Cl-PF3ONS	ug/kg	<0.025	0.091	06/15/23 00:45	N2
ADONA	ug/kg	<0.035	0.093	06/15/23 00:45	N2
HFPO-DA	ug/kg	<0.027	0.098	06/15/23 00:45	N2
NEtFOSA	ug/kg	<0.025	0.098	06/15/23 00:45	N2
NEtFOSAA	ug/kg	<0.039	0.098	06/15/23 00:45	N2
NEtFOSE	ug/kg	<0.031	0.098	06/15/23 00:45	N2
NMeFOSA	ug/kg	<0.027	0.098	06/15/23 00:45	N2
NMeFOSAA	ug/kg	<0.027	0.098	06/15/23 00:45	N2
NMeFOSE	ug/kg	<0.030	0.098	06/15/23 00:45	N2
Perfluorobutanesulfonic acid	ug/kg	<0.026	0.087	06/15/23 00:45	N2
Perfluorodecanoic acid	ug/kg	<0.022	0.098	06/15/23 00:45	N2
Perfluorododecanoic acid	ug/kg	<0.032	0.098	06/15/23 00:45	N2
Perfluoroheptanoic acid	ug/kg	<0.034	0.098	06/15/23 00:45	N2
Perfluorohexanesulfonic acid	ug/kg	<0.021	0.089	06/15/23 00:45	N2
Perfluorohexanoic acid	ug/kg	<0.027	0.098	06/15/23 00:45	N2
Perfluorononanoic acid	ug/kg	<0.030	0.098	06/15/23 00:45	N2
Perfluorooctanesulfonic acid	ug/kg	0.033J	0.091	06/15/23 00:45	N2
Perfluorooctanoic acid	ug/kg	<0.030	0.098	06/15/23 00:45	N2
Perfluorotetradecanoic acid	ug/kg	<0.034	0.098	06/15/23 00:45	N2
Perfluorotridecanoic acid	ug/kg	<0.031	0.098	06/15/23 00:45	N2
Perfluoroundecanoic acid	ug/kg	<0.030	0.098	06/15/23 00:45	N2
PFBA	ug/kg	<0.028	0.098	06/15/23 00:45	N2
PFDoS	ug/kg	<0.026	0.095	06/15/23 00:45	N2
PFDS	ug/kg	<0.028	0.095	06/15/23 00:45	N2
PFHpS	ug/kg	<0.027	0.093	06/15/23 00:45	N2
PFHxDA	ug/kg	<0.026	0.098	06/15/23 00:45	N2
PFNS	ug/kg	<0.034	0.094	06/15/23 00:45	N2
PFODA	ug/kg	<0.032	0.098	06/15/23 00:45	N2
PFOSA	ug/kg	<0.029	0.098	06/15/23 00:45	N2
PFPeA	ug/kg	<0.028	0.098	06/15/23 00:45	N2
PFPeS	ug/kg	<0.023	0.092	06/15/23 00:45	N2
13C2-PFDoA (S)	%.	100	25-150	06/15/23 00:45	
13C2-PFTA (S)	%.	94	25-150	06/15/23 00:45	
13C24:2FTS (S)	%.	92	25-150	06/15/23 00:45	
13C26:2FTS (S)	%.	131	25-150	06/15/23 00:45	

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

METHOD BLANK: 4666521 Matrix: Solid
Associated Lab Samples: 40262763026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C28:2FTS (S)	%.	107	25-150	06/15/23 00:45	
13C2PFHxDA (S)	%.	94	25-150	06/15/23 00:45	
13C3-PFBS (S)	%.	92	25-150	06/15/23 00:45	
13C3-PFHxS (S)	%.	94	25-150	06/15/23 00:45	
13C3HFPO-DA (S)	%.	79	25-150	06/15/23 00:45	
13C4-PFBA (S)	%.	89	25-150	06/15/23 00:45	
13C4-PFHpA (S)	%.	94	25-150	06/15/23 00:45	
13C5-PFHxA (S)	%.	90	25-150	06/15/23 00:45	
13C5-PFPeA (S)	%.	92	25-150	06/15/23 00:45	
13C6-PFDA (S)	%.	90	25-150	06/15/23 00:45	
13C7-PFUdA (S)	%.	91	25-150	06/15/23 00:45	
13C8-PFOA (S)	%.	93	25-150	06/15/23 00:45	
13C8-PFOS (S)	%.	97	25-150	06/15/23 00:45	
13C8-PFOSA (S)	%.	93	25-150	06/15/23 00:45	
13C9-PFNA (S)	%.	95	25-150	06/15/23 00:45	
d3-MeFOSAA (S)	%.	106	25-150	06/15/23 00:45	
d3-NMeFOSA (S)	%.	94	20-150	06/15/23 00:45	
d5-EtFOSAA (S)	%.	115	25-150	06/15/23 00:45	
d5-NEtFOSA (S)	%.	100	20-150	06/15/23 00:45	
d7-NMeFOSE (S)	%.	101	20-150	06/15/23 00:45	
d9-NEtFOSE (S)	%.	108	20-150	06/15/23 00:45	

LABORATORY CONTROL SAMPLE: 4666522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
10:2 FTS	ug/kg	0.19	0.20	106	50-150	N2
11Cl-PF3OUdS	ug/kg	0.18	0.18	99	50-150	N2
4:2 FTS	ug/kg	0.18	0.19	104	50-150	N2
6:2 FTS	ug/kg	0.18	0.19	103	50-150	N2
8:2 FTS	ug/kg	0.18	0.18	95	50-150	N2
9Cl-PF3ONS	ug/kg	0.18	0.17	95	50-150	N2
ADONA	ug/kg	0.18	0.20	108	50-150	N2
HFPO-DA	ug/kg	0.19	0.15	80	50-150	N2
NEtFOSA	ug/kg	0.19	0.18	94	50-150	N2
NEtFOSAA	ug/kg	0.19	0.20	102	50-150	N2
NEtFOSE	ug/kg	0.19	0.19	97	50-150	N2
NMeFOSA	ug/kg	0.19	0.18	94	50-150	N2
NMeFOSAA	ug/kg	0.19	0.18	96	50-150	N2
NMeFOSE	ug/kg	0.19	0.17	88	50-150	N2
Perfluorobutanesulfonic acid	ug/kg	0.17	0.17	99	50-150	N2
Perfluorodecanoic acid	ug/kg	0.19	0.21	111	50-150	N2
Perfluorododecanoic acid	ug/kg	0.19	0.19	99	50-150	N2
Perfluoroheptanoic acid	ug/kg	0.19	0.21	110	50-150	N2
Perfluorohexanesulfonic acid	ug/kg	0.18	0.17	99	50-150	N2

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

LABORATORY CONTROL SAMPLE: 4666522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Perfluorohexanoic acid	ug/kg	0.19	0.21	108	50-150	N2
Perfluorononanoic acid	ug/kg	0.19	0.22	112	50-150	N2
Perfluorooctanesulfonic acid	ug/kg	0.18	0.17	94	50-150	N2
Perfluorooctanoic acid	ug/kg	0.19	0.19	98	50-150	N2
Perfluorotetradecanoic acid	ug/kg	0.19	0.17	89	50-150	N2
Perfluorotridecanoic acid	ug/kg	0.19	0.21	107	50-150	N2
Perfluoroundecanoic acid	ug/kg	0.19	0.26	135	50-150	N2
PFBA	ug/kg	0.19	0.19	98	50-150	N2
PFDoS	ug/kg	0.19	0.20	107	50-150	N2
PFDS	ug/kg	0.19	0.21	113	50-150	N2
PFHpS	ug/kg	0.18	0.16	85	50-150	N2
PFHxDA	ug/kg	0.19	0.20	106	50-150	N2
PFNS	ug/kg	0.18	0.20	109	50-150	N2
PFODA	ug/kg	0.19	0.21	111	50-150	N2
PFOSA	ug/kg	0.19	0.17	90	50-150	N2
PFPeA	ug/kg	0.19	0.20	104	50-150	N2
PFPeS	ug/kg	0.18	0.18	100	50-150	N2
13C2-PFDoA (S)	%.			102	25-150	
13C2-PFTA (S)	%.			96	25-150	
13C24:2FTS (S)	%.			94	25-150	
13C26:2FTS (S)	%.			133	25-150	
13C28:2FTS (S)	%.			116	25-150	
13C2PFHxDA (S)	%.			95	25-150	
13C3-PFBS (S)	%.			94	25-150	
13C3-PFHxS (S)	%.			95	25-150	
13C3HFPO-DA (S)	%.			84	25-150	
13C4-PFBA (S)	%.			90	25-150	
13C4-PFHpA (S)	%.			95	25-150	
13C5-PFHxA (S)	%.			93	25-150	
13C5-PFPeA (S)	%.			93	25-150	
13C6-PFDA (S)	%.			92	25-150	
13C7-PFUdA (S)	%.			91	25-150	
13C8-PFOA (S)	%.			93	25-150	
13C8-PFOS (S)	%.			95	25-150	
13C8-PFOSA (S)	%.			104	25-150	
13C9-PFNA (S)	%.			96	25-150	
d3-MeFOSAA (S)	%.			116	25-150	
d3-NMeFOSA (S)	%.			89	20-150	
d5-EtFOSAA (S)	%.			113	25-150	
d5-NEtFOSA (S)	%.			97	20-150	
d7-NMeFOSE (S)	%.			100	20-150	
d9-NEtFOSE (S)	%.			107	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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4666723 4666724

Parameter	Units	40262763026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
10:2 FTS	ug/kg	<0.045	0.196	0.196	0.23	0.22	118	113	50-150	4	30	N2
11Cl-PF3OUdS	ug/kg	<0.026	0.186	0.186	0.20	0.19	108	102	50-150	5	30	N2
4:2 FTS	ug/kg	<0.023	0.186	0.186	0.19	0.21	99	113	50-150	14	30	N2
6:2 FTS	ug/kg	<0.042	0.186	0.186	0.21	0.20	106	104	50-150	2	30	N2
8:2 FTS	ug/kg	<0.045	0.196	0.196	0.22	0.21	116	108	50-150	6	30	N2
9Cl-PF3ONS	ug/kg	<0.026	0.186	0.186	0.19	0.18	102	96	50-150	6	30	N2
ADONA	ug/kg	<0.037	0.186	0.186	0.21	0.20	109	106	50-150	3	30	N2
HFPO-DA	ug/kg	<0.028	0.196	0.196	0.18	0.18	91	89	50-150	1	30	N2
NEtFOSA	ug/kg	<0.026	0.196	0.196	0.20	0.20	100	100	50-150	0	30	N2
NEtFOSAA	ug/kg	<0.041	0.196	0.196	0.20	0.21	99	105	50-150	6	30	N2
NEtFOSE	ug/kg	<0.033	0.196	0.196	0.20	0.21	102	104	50-150	2	30	N2
NMeFOSA	ug/kg	<0.028	0.196	0.196	0.19	0.19	95	97	50-150	2	30	N2
NMeFOSAA	ug/kg	<0.029	0.196	0.196	0.20	0.20	98	98	50-150	0	30	N2
NMeFOSE	ug/kg	<0.031	0.196	0.196	0.18	0.18	89	92	50-150	3	30	N2
Perfluorobutanesulfonic acid	ug/kg	<0.027	0.176	0.176	0.18	0.19	103	106	50-150	4	30	N2
Perfluorodecanoic acid	ug/kg	<0.023	0.196	0.196	0.25	0.23	124	116	50-150	7	30	N2
Perfluorododecanoic acid	ug/kg	<0.033	0.196	0.196	0.19	0.19	96	96	50-150	0	30	N2
Perfluoroheptanoic acid	ug/kg	<0.035	0.196	0.196	0.23	0.24	110	113	50-150	3	30	N2
Perfluorohexanesulfonic acid	ug/kg	<0.022	0.186	0.186	0.17	0.19	96	105	50-150	10	30	N2
Perfluorohexanoic acid	ug/kg	<0.028	0.196	0.196	0.24	0.22	113	105	50-150	7	30	N2
Perfluorononanoic acid	ug/kg	<0.032	0.196	0.196	0.22	0.22	104	107	50-150	2	30	N2
Perfluorooctanesulfonic acid	ug/kg	<0.030	0.186	0.186	0.18	0.18	85	84	50-150	1	30	N2
Perfluorooctanoic acid	ug/kg	<0.032	0.196	0.196	0.21	0.20	97	94	50-150	3	30	N2
Perfluorotetradecanoic acid	ug/kg	<0.035	0.196	0.196	0.19	0.20	95	100	50-150	6	30	N2
Perfluorotridecanoic acid	ug/kg	<0.032	0.196	0.196	0.22	0.21	112	107	50-150	4	30	N2
Perfluoroundecanoic acid	ug/kg	<0.031	0.196	0.196	0.24	0.23	121	115	50-150	5	30	N2
PFBA	ug/kg	<0.029	0.196	0.196	0.21	0.21	103	103	50-150	0	30	N2
PFDoS	ug/kg	<0.027	0.196	0.196	0.22	0.21	112	106	50-150	5	30	N2
PFDS	ug/kg	<0.029	0.196	0.196	0.21	0.21	107	111	50-150	4	30	N2
PFHpS	ug/kg	<0.028	0.186	0.196	0.21	0.19	110	99	50-150	10	30	N2
PFHxDA	ug/kg	<0.027	0.196	0.196	0.22	0.22	104	101	50-150	3	30	N2
PFNS	ug/kg	<0.035	0.196	0.196	0.18	0.20	93	106	50-150	13	30	N2
PFODA	ug/kg	<0.033	0.196	0.196	0.24	0.21	120	103	50-150	15	30	N2
PFOSA	ug/kg	<0.030	0.196	0.196	0.21	0.21	107	103	50-150	3	30	N2
PFPeA	ug/kg	<0.029	0.196	0.196	0.20	0.20	96	98	50-150	3	30	N2
PFPeS	ug/kg	<0.024	0.186	0.186	0.17	0.19	92	100	50-150	8	30	N2
13C2-PFDoA (S)	%.						95	96	25-150			
13C2-PFTA (S)	%.						92	89	25-150			
13C24:2FTS (S)	%.						91	84	25-150			
13C26:2FTS (S)	%.						127	126	25-150			
13C28:2FTS (S)	%.						105	108	25-150			
13C2PFHxDA (S)	%.						95	96	25-150			
13C3-PFBS (S)	%.						86	81	25-150			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4666723 4666724

Parameter	Units	40262763026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
13C3-PFHxS (S)	%.						90	85	25-150			
13C3HFPO-DA (S)	%.						78	77	25-150			
13C4-PFBA (S)	%.						85	85	25-150			
13C4-PFHpA (S)	%.						92	88	25-150			
13C5-PFHxA (S)	%.						86	83	25-150			
13C5-PFPeA (S)	%.						86	85	25-150			
13C6-PFDA (S)	%.						88	89	25-150			
13C7-PFUdA (S)	%.						90	89	25-150			
13C8-PFOA (S)	%.						87	90	25-150			
13C8-PFOS (S)	%.						77	90	25-150			
13C8-PFOSA (S)	%.						92	91	25-150			
13C9-PFNA (S)	%.						95	92	25-150			
d3-MeFOSAA (S)	%.						110	108	25-150			
d3-NMeFOSA (S)	%.						87	88	10-150			
d5-EtFOSAA (S)	%.						112	110	25-150			
d5-NEtFOSA (S)	%.						96	94	10-150			
d7-NMeFOSE (S)	%.						105	100	10-150			
d9-NEtFOSE (S)	%.						118	95	10-150			

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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: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 40262763

[1] Sample# 2 field ID updated to "Trip Blank-2" and Sample# 27 field ID updated to "MW-2" per client request. 8/3/23 CDH

ANALYTE QUALIFIERS

H1	Analysis conducted outside the recognized method holding time.
H5	Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.
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
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LA CROSSE AIRPORT PFAS INV.
Pace Project No.: 40262763

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40262763026	**SOIL DRUM**	ASTM D2974	890560		
40262763001	**MW-1**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763002	**TRIP BLANK-2**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763003	**MW-3**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763004	**MW-4**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763005	**MW-5**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763006	**MW-6**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763007	**MW-7**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763008	**MW-101**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763009	**MW-102**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763010	**MW-103**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763011	**MW-104**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763012	**PZ-1**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763013	**PZ-6**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763014	**PZ-7**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763015	**PZ-104**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763016	**PZ-105**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763017	**PZ-106**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763018	**DUP #1**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763019	**DUP #2**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763020	**PRE-FILTER**	ENV-SOP-MIN4-0178	887954	ENV-SOP-MIN4-0178	893690
40262763021	**MID-FILTER**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763022	**POST. FILTER**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763023	**BAGGIES**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763024	**GLOVES**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763025	**TRIP BLANK**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763027	**MW-2**	ENV-SOP-MIN4-0178	887045	ENV-SOP-MIN4-0178	888600
40262763026	**SOIL DRUM**	ENV-SOP-MIN4-0178	885571	ENV-SOP-MIN4-0178	887767

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40262763

ALL SHADED AREAS are for LAB USE ONLY

Company: The OS Group LLC	Billing Information: The OS Group, LLC 444 21st. St, La Crosse, WI
Address: 444 21st Street S La Crosse, WI	
Report To: Steven Osesek	Email To: steve.osesek@theosgrp.com
Copy To:	Site Collection Info/Address: La Crosse Airport
Customer Project Name/Number: La Crosse Airport PFAS Inv.	State: WI County/City: La Crosse Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: 608-433-9388 Email: steve.osesek@theosgrp.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Steven Osesek	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Steven Osesek	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **

Lab Project Manager:

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

Analyses: 36 PFAS

Lab Profile/Line:

Lab Sample Receipt Checklist:

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

LAB USE ONLY:
Lab Sample # / Comments:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
MW-1	GW	Grab	5-24	12:26				2	001
MW-2			5-24	1:05					002
MW-3			5-24	10:46					003
MW-4			5-24	10:10					004
MW-5			5-24	9:29					005
MW-6			5-22	10:33					006
MW-7			5-22	12:13					007
MW-101			5-23	12:21					008
MW-102			5-23	11:29					009
MW-103			5-23	11:53					010

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 0

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

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

Lab Tracking #: 2896650

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature) Steven Osesek	Date/Time: 5/25/23 4:10	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) Fedex	Date/Time: 5/26/23 0945	Received by/Company: (Signature)	Date/Time: 5/26/23 0945
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: 0
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

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40262763

ALL SHADED AREAS are for LAB USE ONLY

Company: The OS Group, LLC	Billing Information: The OS Group, LLC 444 21 St S La Crosse, WI 54601
Address: La Crosse, WI 54601	
Report To: Steven Osesek	Email To: Steve.osesek@theOSGrp.com
Copy To:	Site Collection Info/Address: La Crosse Airport
Customer Project Name/Number: La Crosse Airport PFAS Inv.	State: WI County/City: La Crosse Time Zone Collected: [ ]PT [ ]MT [X]CT [ ]ET
Phone: 608-433-8388 Email: Steve.osesek	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Steven Osesek	Purchase Order #: Quote #: — DW PWS ID #: DW Location Code:
Collected By (signature): Steven Osesek	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)
	Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

Container Preservative Type **

Lab Project Manager:

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

Analyses: PFAS 36

Lab Profile/Line:

Lab Sample Receipt Checklist:

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

LAB USE ONLY:
Lab Sample # / Comments:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
MW-104	GW	Grab	5-23	1:03				2	011
PZ-1			5-24	1:49					012
PZ-6			5-22	11:15					013
PZ-7			5-22	12:37					014
PZ-104			5-23	1:32					015
PZ-105			5-23	10:40					016
PZ-106			5-23	9:55					017
Dup #1			5-23						018
Dup #2			5-24						019
Pre-Filter			5-24	2:39					020

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: 0

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

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

Lab Tracking #: 2896649

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Steve Osesek	5/25/23 4:10		
Fedex	5/26/23 0945		5/26/23 0945

MTJL LAB USE ONLY
Table #:
Acctnum:
Template: 0
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40262763

ALL SHADED AREAS are for LAB USE ONLY

Company: The OS Group, LLC	Billing Information: The OS Group, LLC 444 21st St S, La Crosse, WI
Address: 444 21st. Street S, La Crosse WI	
Report To: Steven Osesek	Email To: Steve.osesek@theOSGrp.com
Copy To:	Site Collection Info/Address: La Crosse Airport
Customer Project Name/Number: La Crosse Airport PFAS INV.	State: WI County/City: La Crosse Time Zone Collected: [ ] PT [ ] MT [X] CT [ ] ET
Phone: 608-433-9388 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Steven Osesek	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Steven Osesek	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **

Lab Project Manager:

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

Analyses: PFAS 36

Lab Profile/Line:

Lab Sample Receipt Checklist:

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

LAB USE ONLY:
Lab Sample # / Comments:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Lab Sample # / Comments
Mid Filter	GW	Grab	5-24-22	2:36				2	021
Post. Filter			5-24-22	2:34					022
Baggies			5-24	9:00					023
Gloves			5-24	9:03					024
Trip Blank			5-22	10:15					025
Soil Drum	Soil		5-24	3:25				1	026
Sample (1)	GW		5/22	-					027

Customer Remarks / Special Conditions / Possible Hazards:
(1) Added per Steve O - OS Grp 5/24/22 OSH

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

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

Lab Tracking #: 2896651

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature) Steven Osesek	Date/Time: 5/25/23 4:10	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature) Fedex	Date/Time: 5/26/23 0945	Received by/Company. (Signature)	Date/Time: 5/26/23 0945
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

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

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Sample Preservation Receipt Form

Client Name: The OS Group

Project # 402627763

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

Lab Lot# of pH paper:

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

	Glass							Plastic						Vials						Jars				General					Initial when completed					Date/ Time:
Pace Lab #	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	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									2																								2.5 / 5
002									2																								2.5 / 5
003									2																								2.5 / 5
004									2																								2.5 / 5
005									2																								2.5 / 5
006									2																								2.5 / 5
007									2																								2.5 / 5
008									2																								2.5 / 5
009									2																								2.5 / 5
010									2																								2.5 / 5
011									2																								2.5 / 5
012									2																								2.5 / 5
013									2																								2.5 / 5
014									2																								2.5 / 5
015									2																								2.5 / 5
016									2																								2.5 / 5
017									2																								2.5 / 5
018									2																								2.5 / 5
019									2																								2.5 / 5
020									2																								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	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	

Client Name: The Os Group

Sample Preservation Receipt Form

Project #: 402627623

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							
021									2																								2.5 / 5
022									2																								2.5 / 5
023									2																								2.5 / 5
024									2																								2.5 / 5
025									2																								2.5 / 5
026									1																								2.5 / 5
027									2																								2.5 / 5
028																																	2.5 / 5
029																																	2.5 / 5
030																																	2.5 / 5
031																																	2.5 / 5
032																																	2.5 / 5
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041																																	2.5 / 5
042																																	2.5 / 5
043																																	2.5 / 5
044																																	2.5 / 5
045																																	2.5 / 5
046																																	2.5 / 5
047																																	2.5 / 5
048																																	2.5 / 5

5/26/23 86

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40262763

40262763

Client Name: The OG Group

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

Tracking #: 3967 9663 9569

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 - 9 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.0/0.5 Corr 1.0/1.5

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

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

Person examining contents:
Date: 5/26/23 Initials: SS

Labeled By Initials: _____

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: W,S	☑Yes ☐No ☐N/A	12. 5/26/23 ~~no~~ "027" labeled mix up no date/time yt 5/26/23
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 3 of 3