

April 25, 2024

Tegan Scott  
Pace Analytical Services - Altoona, PA  
2019 Ninth Avenue  
Altoona, PA 16602

Project Location: PA  
Client Job Number:  
Project Number: AYD3493  
Laboratory Work Order Number: 24D2460  
PWSID# 4190019

Enclosed are results of analyses for samples as received by the laboratory on April 19, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

DRAFT REPORT  
Project Manager

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Pace Analytical Services - Altoona, PA  
2019 Ninth Avenue  
Altoona, PA 16602  
ATTN: Tegan Scott

REPORT DATE: 4/25/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: AYD3493

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**ANALYTICAL SUMMARY**

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WORK ORDER NUMBER: 24D2460

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: PA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EP 101- Central Well	24D2460-01	Drinking Water		EPA 537.1	
Field Blank	24D2460-02	Field Blank		EPA 537.1	
EP 103- East Well House	24D2460-03	Drinking Water		EPA 537.1	
Field Blank	24D2460-04	Field Blank		EPA 537.1	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

**EPA 537.1**

**Qualifications:**

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**V-20**

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**Analyte & Sample(s) Qualified:**

**Hexafluoropropylene oxide dimer acid (HFPO-DA)**

S103653-CCV3

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Project Location: PA

Sample Description:

Work Order: 24D2460

Date Received: 4/19/2024

Field Sample #: EP 101- Central Well

Sampled: 4/18/2024 10:50

Sample ID: 24D2460-01

Sample Matrix: Drinking Water

**Semivolatile Organic Compounds by - LC/MS-MS**

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Perfluorooctanoic acid (PFOA)	520	20		ng/L	10	D	EPA 537.1	4/24/24	4/25/24 8:37	AMS
Perfluorooctanesulfonic acid (PFOS)	2100	39		ng/L	20	D	EPA 537.1	4/24/24	4/25/24 9:19	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
13C-PFHxA	124	70-130		4/25/24 8:37
13C-PFHxA	105	70-130		4/25/24 9:19
M3HFPO-DA	120	70-130		4/25/24 8:37
M3HFPO-DA	101	70-130		4/25/24 9:19
13C-PFDA	127	70-130		4/25/24 8:37
13C-PFDA	114	70-130		4/25/24 9:19
D5-NEtFOSAA	129	70-130		4/25/24 8:37
D5-NEtFOSAA	114	70-130		4/25/24 9:19

Project Location: PA

Sample Description:

Work Order: 24D2460

Date Received: 4/19/2024

Field Sample #: Field Blank

Sampled: 4/17/2024 10:50

Sample ID: 24D2460-02

Sample Matrix: Field Blank

**Semivolatile Organic Compounds by - LC/MS-MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L	1		EPA 537.1	4/24/24	4/24/24 21:13	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L	1		EPA 537.1	4/24/24	4/24/24 21:13	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	102	70-130	
M3HFPO-DA	107	70-130	
13C-PFDA	109	70-130	
D5-NEtFOSAA	108	70-130	

Project Location: PA

Sample Description:

Work Order: 24D2460

Date Received: 4/19/2024

Field Sample #: EP 103- East Well House

Sampled: 4/18/2024 11:10

Sample ID: 24D2460-03

Sample Matrix: Drinking Water

**Semivolatile Organic Compounds by - LC/MS-MS**

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
		RL	MA ORSG							
Perfluorooctanoic acid (PFOA)	210	20		ng/L	10	D	EPA 537.1	4/24/24	4/25/24 8:44	AMS
Perfluorooctanesulfonic acid (PFOS)	1100	20		ng/L	10	D	EPA 537.1	4/24/24	4/25/24 8:44	AMS

Surrogates	% Recovery	Recovery Limits	Flag/Qual
13C-PFHxA	104	70-130	
13C-PFHxA	98.5	70-130	
M3HFPO-DA	113	70-130	
M3HFPO-DA	101	70-130	
13C-PFDA	121	70-130	
13C-PFDA	104	70-130	
D5-NEtFOSAA	112	70-130	
D5-NEtFOSAA	112	70-130	

Project Location: PA

Sample Description:

Work Order: 24D2460

Date Received: 4/19/2024

Field Sample #: Field Blank

Sampled: 4/17/2024 11:10

Sample ID: 24D2460-04

Sample Matrix: Field Blank

**Semivolatile Organic Compounds by - LC/MS-MS**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L	1		EPA 537.1	4/24/24	4/24/24 21:27	AMS
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L	1		EPA 537.1	4/24/24	4/24/24 21:27	AMS
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
13C-PFHxA	95.5		70-130			4/24/24 21:27			
M3HFPO-DA	101		70-130			4/24/24 21:27			
13C-PFDA	107		70-130			4/24/24 21:27			
D5-NEtFOSAA	107		70-130			4/24/24 21:27			



**Sample Extraction Data**

Prep Method:EPA 537.1 Analytical Method:EPA 537.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24D2460-01RE1 [EP 101- Central Well]	B372169	256	1.00	04/24/24
24D2460-01RE2 [EP 101- Central Well]	B372169	256	1.00	04/24/24
24D2460-02 [Field Blank]	B372169	257	1.00	04/24/24
24D2460-03RE1 [EP 103- East Well House]	B372169	250	1.00	04/24/24
24D2460-04 [Field Blank]	B372169	265	1.00	04/24/24

**QUALITY CONTROL**
**Semivolatile Organic Compounds by - LC/MS-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B372169 - EPA 537.1</b>										
<b>Blank (B372169-BLK1)</b>										
Prepared & Analyzed: 04/24/24										
Perfluorooctanoic acid (PFOA)	ND	1.8	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	ng/L							
Surrogate: 13C-PFHxA	43.1		ng/L	36.4		118	70-130			
Surrogate: M3HFPO-DA	44.9		ng/L	36.4		123	70-130			
Surrogate: 13C-PFDA	43.4		ng/L	36.4		119	70-130			
Surrogate: D5-NEtFOSAA	164		ng/L	145		113	70-130			
<b>LCS (B372169-BS1)</b>										
Prepared & Analyzed: 04/24/24										
Perfluorooctanoic acid (PFOA)	16.2	1.8	ng/L	18.1		89.6	70-130			
Perfluorooctanesulfonic acid (PFOS)	16.0	1.8	ng/L	16.8		95.4	70-130			
Surrogate: 13C-PFHxA	40.6		ng/L	36.1		112	70-130			
Surrogate: M3HFPO-DA	42.4		ng/L	36.1		117	70-130			
Surrogate: 13C-PFDA	42.2		ng/L	36.1		117	70-130			
Surrogate: D5-NEtFOSAA	162		ng/L	145		112	70-130			
<b>LCS Dup (B372169-BSD1)</b>										
Prepared & Analyzed: 04/24/24										
Perfluorooctanoic acid (PFOA)	17.8	1.8	ng/L	18.0		98.7	70-130	9.46	30	
Perfluorooctanesulfonic acid (PFOS)	15.9	1.8	ng/L	16.7		95.1	70-130	0.495	30	
Surrogate: 13C-PFHxA	39.5		ng/L	36.1		110	70-130			
Surrogate: M3HFPO-DA	41.7		ng/L	36.1		116	70-130			
Surrogate: 13C-PFDA	38.5		ng/L	36.1		107	70-130			
Surrogate: D5-NEtFOSAA	144		ng/L	144		99.6	70-130			

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
D	Sample analyzed at a dilution.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
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*EPA 537.1 in Drinking Water*

Perfluorooctanoic acid (PFOA) VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH  
 Perfluorooctanesulfonic acid (PFOS) VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH,OH

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
MA	Massachusetts DEP	M-MA100	06/30/2024
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024
MI	Dept. of Env, Great Lakes, and Energy	9100	06/30/2024
OH	Ohio Environmental Protection Agency	87781	04/1/2025

SUBCONTRACT ORDER

Pace Altoona  
AYD3493

2402460 mm

SENDING LABORATORY:

Pace Altoona  
2019 Ninth Avenue  
Altoona, PA 16602  
Phone: 814.946.4306  
Fax: 814.946.8791  
Project Manager: Tegan Schott

RECEIVING LABORATORY:

Pace Analytical Services Inc. East Longmeadow, MA  
39 Spruce Street  
E. Longmeadow, MA 01028  
Phone : (413) 525-2332  
Fax: (413) 525-6405

**Due 5/15/2024**

PA Drinking Water samples with a PWSID provided must be uploaded to DWELR unless otherwise marked.

Water Type:  Drinking Water State: PA WV VA OH MD  
 Non Potable Water  RADS only - Non potable Water - Gamma

**PWS ID Number:** 4190019

**Name of System:** Braxside village MHP

**Contact Name:** George Myers

**Contact Number:** 570-594-5710

Sample ID: AYD3493-01 Water Grab Location ID: EP 101 Comments:

Sample Name: EP 101- Central Well

Analysis Sample Begin Sample End

SUB- PFAs & PFOAs DW 537 4/18/2024 10:50 04/18/24 10:50

Containers Supplied:

1L Poly NP (A) 1L Poly NP (B)

Sample ID: AYD3493-02 Water Grab Location ID: Field Blank Comments:

Sample Name: Field Blank

Analysis Sample Begin Sample End

SUB- PFAs & PFOAs DW 537 4/17/2024 10:50 04/17/24 10:50

Containers Supplied:

1L Poly NP (A)

1/31/23 Update to Pace email address  
\*NEW\* Email PDF Report & Excel EDD to:  
ALTO.SubContract@pacelabs.com  
For questions call:  
Troy Tyler - 814-800-4027  
Michelle Fye - 814-800-4012

John Hannan

Sampled By

*SMH* 4-18-24

Released By

Date

15:36

Received By

Date

*Michelle Fye*

4/18/24 18:53

Released By

Date

Received By

Date

*Anthony Green*

APR 18 2024  
4/19/24 0115

Sampler signatures provided on original COC.

*Anthony Green* 4/19/24 0115

*SMH* 4/19/24 0500

*WJD* AAL 4/19/24 07:30

*WJD* AAL 4/19/24 0925

*SMH* 4-19-24 0925 3.0°C

SUBCONTRACT ORDER

Pace Altoona

AYD3493

PWS ID Number: 4190019

Name of System: Brookside Village MHP

Contact Name: George Myers

Contact Number: 570-594-5710

3

Sample ID: AYD3493-03      Water      Grab      Location ID: EP 103      Comments:

Sample Name: EP 103- East Well House

Analysis      Sample Begin      Sample End

SUB- PFAs & PFOAs DW 537      4/18/2024 11:10      04/18/24 11:10

Containers Supplied:

1L Poly NP (A)      1L Poly NP (B)

4

Sample ID: AYD3493-04      Water      Grab      Location ID: Field Blank      Comments:

Sample Name: Field Blank

Analysis      Sample Begin      Sample End

SUB- PFAs & PFOAs DW 537      4/17/2024 11:10      04/17/24 11:10


Containers Supplied:

1L Poly NP (A)

1/31/23 Update to Pace email address  
\*NEW\* Email PDF Report & Excel EDD to:  
ALTO.SubContract@pacelabs.com  
For questions call:  
Troy Tyler - 814-800-4027  
Michelle Fye - 814-800-4012

John Hannan

Sampled By

 4-18-24 0925 30°C

Released By

Date

Received By

Date

Released By

Date

Received By

Date

Sampler signatures provided on original COC.



DC#\_ Title: ENV-FRM-ELON-0001 v07\_Sample Receiving Checklist

Effective Date: 07/13/2023

# Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Client Pace Atchafalaya  
 Project APD3493  
 MCP/RCP Required MA  
 Deliverable Package Requirement NA  
 Location MD  
 PWSID# (When Applicable) MA

Arrival Method:

Courier  Fed Ex  Walk In  Other

Received By / Date / Time AM 4/19/24 923

Back-Sheet By / Date / Time LA 4/19/24 1211

Temperature Method gun # 6

Temp 6° C Actual Temperature 3.0

Rush Samples: Yes /  No Notify

Short Hold: Yes /  No Notify

	True	False
Received on Ice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Received in Cooler	<input type="checkbox"/>	<input type="checkbox"/>
Custody Seal: DATE TIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Relinquished	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC/Samples Labels Agree	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Samples in Good Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples Received within Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there enough Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper Media/Container Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Splitting Samples Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MS/MSD	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Trip Blanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lab to Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>
COC Legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC Included: (Check all included)		
Client <input checked="" type="checkbox"/>	Analysis <input type="checkbox"/>	Sampler Name <input checked="" type="checkbox"/>
Project <input checked="" type="checkbox"/>	IDs <input checked="" type="checkbox"/>	Collection Date/Time <input checked="" type="checkbox"/>
All Samples Proper pH: <u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>

**Notes regarding Samples/COC outside of SOP:**

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**Additional Container Notes**

*Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

\_\_\_\_\_  
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DC#\_Title: ENV-FRM-ELON-0001 v07\_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample	Soils Jars		Ambers				Plastics						VOA Vials					Other / Fill in							
	16oz Amb/Clear	8oz Amb/Clear	1 Liter	250ml	100ml	1 Liter	500ml	250ml	Unpreserved	Sulfuric	Nitric	NaOH	Ammonium Acetate	NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	BiSulfate	Col/Bact					
1																									
2																									
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