



## Laboratory Report

Ascutney Fire District 2	300104
P.O. Box 550	
5259 US Route 5	
Ascutney, VT 05030	

PROJECT: WSID 5339 Ascutney FD2 PFASP

WORK ORDER: **2311-36234**

DATE RECEIVED: November 15, 2023

DATE REPORTED: December 07, 2023

SAMPLER: Steven Smith

**VT0005339**

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody located at the end of this report.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

This NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers.

EndyNE, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Alexander J Rakotz  
Laboratory Director Lebanon, NH

[www.endynelabs.com](http://www.endynelabs.com)



ELAP 11263

160 James Brown Dr., Williston, VT 05495  
Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766  
Ph 603-678-4891 Fax 603-678-4893



NH2037

## Laboratory Report

DATE REPORTED: 12/07/2023

CLIENT: Ascutney Fire District 2  
PROJECT: WSID 5339 Ascutney FD2 PFASP

WORK ORDER: 2311-36234  
DATE RECEIVED: 11/15/2023

001 Site: WSID 5339, Well Site - Well #2 - SYSTEM EVALUATION Date Sampled: 11/15/23 Time: 12:40

Facility ID: WL002 Smp Pt: RW002 Categ: GE Smp Type: SP Compl Ind: N Repl Ind: N

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
PFAS Package							SUB
Perfluorobutanesulfonic acid PFBS	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorohexanoic acid PFHxA	2.09	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
HFPO-DA	< 4.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluoroheptanoic acid PFHpA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorohexanesulfonic acid PFHxS	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
ADONA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorooctanoic acid PFOA	2.15	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorononanoic acid PFNA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorooctanesulfonic acid PFOS	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorodecanoic acid PFDA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
9Cl-PF3ONS	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
NMeFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluoroundecanoic acid PFUnA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
NEtFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorododecanoic acid PFDoA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
11Cl-PF3OUdS	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorotridecanoic acid PFTrDA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
Perfluorotetradecanoic acid PFTA	< 2.00	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA
PFAS, Total (SOV 5)	2.15	ng/L	EPA 537.1	11/28/23 18:49	SUB	A	SBA

002 Site: FIELD BLANK Date Sampled: 11/15/23 Time: 12:39

Facility ID: UNKNO Smp Pt: UNKNO Categ: UN Smp Type: UN Compl Ind: Y Repl Ind: U

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
PFAS Package							SUB
Perfluorobutanesulfonic acid PFBS	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorohexanoic acid PFHxA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
HFPO-DA	< 4.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluoroheptanoic acid PFHpA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorohexanesulfonic acid PFHxS	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
ADONA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorooctanoic acid PFOA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorononanoic acid PFNA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorooctanesulfonic acid PFOS	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorodecanoic acid PFDA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
9Cl-PF3ONS	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
NMeFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluoroundecanoic acid PFUnA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
NEtFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA
Perfluorododecanoic acid PFDoA	< 2.00	ng/L	EPA 537.1	11/28/23 17:31	SUB	A	SBA

**Laboratory Report**

DATE REPORTED: 12/07/2023

CLIENT: Ascutney Fire District 2  
 PROJECT: WSID 5339 Ascutney FD2 PFASP

WORK ORDER: **2311-36234**  
 DATE RECEIVED: 11/15/2023

11CI-PF3OUdS	< 2.00	ng/L	EPA 537.1	11/28/23	17:31	SUB	A	SBA
Perfluorotridecanoic acid PFTrDA	< 2.00	ng/L	EPA 537.1	11/28/23	17:31	SUB	A	SBA
Perfluorotetradecanoic acid PFTA	< 2.00	ng/L	EPA 537.1	11/28/23	17:31	SUB	A	SBA
PFAS, Total (SOV 5)	< 2.00	ng/L	EPA 537.1	11/28/23	17:31	SUB	A	SBA

003 Site: WSID 5339, Well Site - Well #1 - SYSTEM EVALUATION Date Sampled: 11/15/23 Time: 12:50

Facility ID: WL001 Smp Pt: RW001 Categ: GE Smp Type: SP Compl Ind: N Repl Ind: N

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
PFAS Package					SUB		
Perfluorobutanesulfonic acid PFBS	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorohexanoic acid PFHxA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
HFPO-DA	< 4.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluoroheptanoic acid PFHpA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorohexanesulfonic acid PFHxS	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
ADONA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorooctanoic acid PFOA	2.08	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorononanoic acid PFNA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorooctanesulfonic acid PFOS	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorodecanoic acid PFDA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
9CI-PF3ONS	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
NMeFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluoroundecanoic acid PFUnA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
NEtFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorododecanoic acid PFDoA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
11CI-PF3OUdS	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorotridecanoic acid PFTrDA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
Perfluorotetradecanoic acid PFTA	< 2.00	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA
PFAS, Total (SOV 5)	2.08	ng/L	EPA 537.1	11/28/23 17:39	SUB	A	SBA

004 Site: FIELD BLANK Date Sampled: 11/15/23 Time: 12:48

Facility ID: UNKNO Smp Pt: UNKNO Categ: UN Smp Type: UN Compl Ind: Y Repl Ind: U

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
PFAS Package					SUB		
Perfluorobutanesulfonic acid PFBS	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorohexanoic acid PFHxA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
HFPO-DA	< 4.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluoroheptanoic acid PFHpA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorohexanesulfonic acid PFHxS	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
ADONA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorooctanoic acid PFOA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorononanoic acid PFNA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorooctanesulfonic acid PFOS	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA
Perfluorodecanoic acid PFDA	< 2.00	ng/L	EPA 537.1	11/28/23 17:57	SUB	A	SBA

**Laboratory Report**

DATE REPORTED: 12/07/2023

CLIENT: Ascutney Fire District 2  
 PROJECT: WSID 5339 Ascutney FD2 PFASP

WORK ORDER: **2311-36234**  
 DATE RECEIVED: 11/15/2023

9Cl-PF3ONS	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
NMeFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
Perfluoroundecanoic acid PFUnA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
NEtFOSAA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
Perfluorododecanoic acid PFDoA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
11Cl-PF3OUdS	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
Perfluorotridecanoic acid PFTrDA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
Perfluorotetradecanoic acid PFTA	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA
PFAS, Total (SOV 5)	< 2.00	ng/L	EPA 537.1	11/28/23	17:57	SUB	A	SBA

### Report Summary of Qualifiers and Notes

SBA: Analysis performed by subcontracted laboratory, Alpha Analytical, Mansfield MA. The complete subcontracted report has been appended to this report.

Endyne will submit this data electronically to the State of VT Water Supply Division in accordance with their policy and standards.

Endyne Inc.

2311-36234

WSID 5339 Ascutney FD2 PFAS

COC Prepar 7/11/23



Bill to: Susanne, Ascutney Fire District 2, P.O. Box 550, Ascutney VT 05030, Ph 802-674-2626
Report: Brandon Gulnick, Ascutney Fire District 2, P.O. Box 550, Ascutney VT 05030, weathersfield@weathersfield.org

Cust

VTI

Ascutney Fire District 2, WSID 5339 Ascutney FD2 PFAS

PFA

Facilit TP001 Smp Pt EP001 Cate GE Smp Ty RT SP Repl I N Compl I Y/N
LOCATION well site well #2 Sampled Date/T 12/4/23 11/15/23@

PFAS WSID Package 2 -250 ml Plastic Tris HCl/Tris, < 6C

Facilit UNKNO Smp Pt UNKNO Cate UN Smp Ty UN Repl I U Compl I Y/N
FIELD BLANK Sampled Date/T 12/3/23 11/15/23@

PFAS WSID Package 2 -250 ml Plastic Tris HCl/Tris, < 6C

Sample [Signature] 12:38 PM
Relinquish Date T Accepted Date T
Relinquish Date T Received AS 11/15/23 12:38 PM Date T

Sites/Parameters correct as listed.
Client Authorization to use Subcont
Sample o VT NH NY Othe
Special reportin (PO#
Requested Turnaround Time: Routine:

Delv: Tmpl Ck Lab use O
Temp C Log b
Comment: 11.8 cc



160 James Brown Dr. Williston, VT
56 Etna Road Lebanon, NH 03766
315 New York Rd. Plattsburgh, NY

6f2

Endyne Inc.

Lab Use WO#

# WSID 5339 Ascutney FD2 PFAS

COC  
Prepar 7/11/23

**Bill to**  
 Susanne  
 Ascutney Fire District 2  
 P.O. Box 550  
 Ascutney VT 05030  
 Ph 802-674-2626

**Report**  
 Brandon Gulnick  
 Ascutney Fire District 2  
 P.O. Box 550  
 Ascutney VT 05030  
 weathersfield@weathersfield.org

Cust 300104

VT0005339

PFA0005339



Facilit TP001 Smp Pt EP001 Cate GE Smp Ty ~~RT~~ ~~SP~~ Repl I N Compl I Y/N  
 LOCATION well site well #1 Sampled Date/T 11/15/23 @ 12:50 PM

PFAS WSID Package 2 -250 ml Plastic Tris HCl/Tris, < 6C

Facilit UNKNO Smp Pt UNKNO Cate UN Smp Ty UN Repl I U Compl I Y/N  
 FIELD BLANK Sampled Date/T 12:48 PM 11/15/23 @

PFAS WSID Package 2 -250 ml Plastic Tris HCl/Tris, < 6C

Sample [Signature] DM

Relinquish Date T 12/30 Accepted Date Ti

Relinquish Date T Received Date Ti

Sites/Parameters correct as listed. Date T Date Ti

Client Authorization to use Subcont  
 Sample o VT  NH  NY  Othe   
 Special reportin (PO# \_\_\_\_\_)

Delv:	Temp C	Trmpl Ck	Lab use O
Comment:		Log b	

Requested Turnaround Time: Routine:



160 James Brown  
 Dr.  
 Williston, VT

56 Etna Road  
 Lebanon, NH  
 03766

315 New York  
 Rd.  
 Plattsburgh, NY

2012



## ANALYTICAL REPORT

Lab Number:	L2368636
Client:	Endyne, Inc. 56 Etna Road Lebanon, NH 03766
ATTN:	Alexander Rakotz
Phone:	(603) 678-4891
Project Name:	2311-36234
Project Number:	Not Specified
Report Date:	11/30/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110), NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

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320 Forbes Boulevard, Mansfield, MA 02048-1806  
508-822-9300 (Fax) 508-822-3288 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2368636-01	2311-36234-001	DW	VT	11/15/23 12:40	11/17/23
L2368636-02	2311-36234-002 (FB)	DW	VT	11/15/23 12:39	11/17/23
L2368636-03	2311-36234-003	DW	VT	11/15/23 12:50	11/17/23
L2368636-04	2311-36234-004 (FB)	DW	VT	11/15/23 12:48	11/17/23

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**Case Narrative (continued)**

Perfluorinated Alkyl Acids by EPA 537.1

WG1856402-2R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG1856402-3 MS recoveries, performed on L2368636-01, are outside the acceptance criteria for perfluorotridecanoic acid (pfrda) (152%) and perfluorotetradecanoic acid (pfta) (160%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Darian Dailey

Title: Technical Director/Representative

Date: 11/30/23

# ORGANICS

# SEMIVOLATILES

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**SAMPLE RESULTS**

Lab ID: L2368636-01  
 Client ID: 2311-36234-001  
 Sample Location: VT

Date Collected: 11/15/23 12:40  
 Date Received: 11/17/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Dw  
 Analytical Method: 133,537.1  
 Analytical Date: 11/28/23 18:49  
 Analyst: RDB

Extraction Method: EPA 537.1  
 Extraction Date: 11/27/23 08:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab</b>						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--	1
Perfluorohexanoic Acid (PFHxA)	2.09		ng/l	2.00	--	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--	1
Perfluorooctanoic Acid (PFOA)	2.15		ng/l	2.00	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--	1
PFAS, Total (5)	2.15		ng/l	2.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	101		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	121		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	113		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		70-130

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**SAMPLE RESULTS**

Lab ID: L2368636-02  
 Client ID: 2311-36234-002 (FB)  
 Sample Location: VT

Date Collected: 11/15/23 12:39  
 Date Received: 11/17/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Dw  
 Analytical Method: 133,537.1  
 Analytical Date: 11/28/23 17:31  
 Analyst: RDB

Extraction Method: EPA 537.1  
 Extraction Date: 11/27/23 08:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab</b>						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--	1
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--	1
PFAS, Total (5)	ND		ng/l	2.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	95		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	113		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	113		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		70-130

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**SAMPLE RESULTS**

Lab ID: L2368636-03  
 Client ID: 2311-36234-003  
 Sample Location: VT

Date Collected: 11/15/23 12:50  
 Date Received: 11/17/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Dw  
 Analytical Method: 133,537.1  
 Analytical Date: 11/28/23 17:39  
 Analyst: RDB

Extraction Method: EPA 537.1  
 Extraction Date: 11/27/23 08:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab</b>						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--	1
Perfluorooctanoic Acid (PFOA)	2.08		ng/l	2.00	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--	1
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--	1
PFAS, Total (5)	2.08		ng/l	2.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	98		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	117		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	116		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		70-130

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**SAMPLE RESULTS**

Lab ID: L2368636-04  
 Client ID: 2311-36234-004 (FB)  
 Sample Location: VT

Date Collected: 11/15/23 12:48  
 Date Received: 11/17/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Dw  
 Analytical Method: 133,537.1  
 Analytical Date: 11/28/23 17:57  
 Analyst: RDB

Extraction Method: EPA 537.1  
 Extraction Date: 11/27/23 08:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab</b>						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--	1
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--	1
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--	1
PFAS, Total (5)	ND		ng/l	2.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	93		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	110		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	102		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		70-130

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

### Method Blank Analysis Batch Quality Control

Analytical Method: 133,537.1  
Analytical Date: 11/28/23 17:22  
Analyst: RDB

Extraction Method: EPA 537.1  
Extraction Date: 11/27/23 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab for sample(s): 01-04 Batch: WG1856402-1					
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	4.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--
PFAS, Total (5)	ND		ng/l	2.00	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	94		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	112		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	109		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1856402-2								
Perfluorobutanesulfonic Acid (PFBS)	95		-		70-130	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		70-130	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	99		-		70-130	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		70-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		70-130	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	113		-		70-130	-		30
Perfluorooctanoic Acid (PFOA)	110		-		70-130	-		30
Perfluorononanoic Acid (PFNA)	110		-		70-130	-		30
Perfluorooctanesulfonic Acid (PFOS)	88		-		70-130	-		30
Perfluorodecanoic Acid (PFDA)	106		-		70-130	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	97		-		70-130	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		70-130	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		70-130	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		70-130	-		30
Perfluorododecanoic Acid (PFDoA)	115		-		70-130	-		30
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	102		-		70-130	-		30
Perfluorotridecanoic Acid (PFTrDA)	128		-		70-130	-		30
Perfluorotetradecanoic Acid (PFTA)	123		-		70-130	-		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1856402-2								

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	106				70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	93				70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	104				70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	109				70-130

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1856402-3 QC Sample: L2368636-01 Client ID: 2311-36234-001												
Perfluorobutanesulfonic Acid (PFBS)	ND	127	118	93		-	-		70-130	-		30
Perfluorohexanoic Acid (PFHxA)	2.09	143	115	79		-	-		70-130	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	143	158	111		-	-		70-130	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	143	120	84		-	-		70-130	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	130	143	110		-	-		70-130	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	135	139	103		-	-		70-130	-		30
Perfluorooctanoic Acid (PFOA)	2.15	143	139	96		-	-		70-130	-		30
Perfluorononanoic Acid (PFNA)	ND	143	156	109		-	-		70-130	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	132	138	104		-	-		70-130	-		30
Perfluorodecanoic Acid (PFDA)	ND	143	170	119		-	-		70-130	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	133	134	101		-	-		70-130	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	143	131	92		-	-		70-130	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	143	175	123		-	-		70-130	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	143	140	98		-	-		70-130	-		30
Perfluorododecanoic Acid (PFDoA)	ND	143	179	125		-	-		70-130	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	135	145	108		-	-		70-130	-		30
Perfluorotridecanoic Acid (PFTTrDA)	ND	143	217	152	Q	-	-		70-130	-		30
Perfluorotetradecanoic Acid (PFTTA)	ND	143	229	160	Q	-	-		70-130	-		30

## Matrix Spike Analysis

*Batch Quality Control*

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

<i>Parameter</i>	<i>Native Sample</i>	<i>MS Added</i>	<i>MS Found</i>	<i>MS %Recovery</i>	<i>MS Qual</i>	<i>MSD Found</i>	<i>MSD %Recovery</i>	<i>MSD Qual</i>	<i>Recovery Limits</i>	<i>RPD</i>	<i>RPD Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1856402-3 QC Sample: L2368636-01 Client ID: 2311-36234-001												

<i>Surrogate</i>	<i>MS</i>		<i>MSD</i>		<i>Acceptance Criteria</i>
	<i>% Recovery</i>	<i>Qualifier</i>	<i>% Recovery</i>	<i>Qualifier</i>	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90				70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	116				70-130
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	89				70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	112				70-130

## Lab Duplicate Analysis

### Batch Quality Control

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1856402-4 QC Sample: L2368636-03 Client ID: 2311-36234-003						
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	2.08	2.12	ng/l	2		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

## Lab Duplicate Analysis

Batch Quality Control

Project Name: 2311-36234

Project Number: Not Specified

Lab Number: L2368636

Report Date: 11/30/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 537.1 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1856402-4 QC Sample: L2368636-03 Client ID: 2311-36234-003						

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	98		92		70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	117		110		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	116		106		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		86		70-130

**Project Name:** 2311-36234  
**Project Number:** Not Specified

### Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

#### Cooler Information

**Cooler**                      **Custody Seal**  
A                                      Absent

#### Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2368636-01A	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)
L2368636-01B	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)
L2368636-02A	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)
L2368636-03A	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)
L2368636-03B	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)
L2368636-04A	Plastic 250ml Trizma preserved	A	NA		5.1	Y	Absent		A2-VT-537.1(14)

## PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 2311-36234

**Project Number:**

Serial\_No:11302310:08  
**Lab Number:** L2368636

**Report Date:** 11/30/23

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

**Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 2311-36234  
**Project Number:** Not Specified

**Lab Number:** L2368636  
**Report Date:** 11/30/23

## REFERENCES

- 133 Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537.1, EPA/600/R-18/352. Version 1.0, November 2018.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

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The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1** Hg.

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# CHAIN OF CUSTODY

PAGE \_\_\_\_\_ OF \_\_\_\_\_

WESTBORO, MA  
 TEL: 508-898-9220  
 FAX: 508-898-9193

MANSFIELD, MA  
 TEL: 508-822-9300  
 FAX: 508-822-3288

Date Rec'd in Lab: 11/17/23

ALPHA Job #: 12368636

### Project Information

Project Name: 2311-36234

Project Location: VT

Project #:

Project Manager:

ALPHA Quote #:

### Report Information - Data Deliverables

- FAX  EMAIL  
 ADEX  Add'l Deliverables

### Billing Information

Same as Client info PO #:

### Client Information

Client: Endyne, Inc - Alexander Rakotz

Address: 56 Etna Rd

Lebanon, NH 03766

Phone: 603-678-4891

Fax:

Email: arakotz@endynelabs.com

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

### Regulatory Requirements/Report Limits

State /Fed Program: VT

Criteria:

### Turn-Around Time

- Standard  RUSH (only confirmed if pre-approved)

Date Due: Time:

ANALYSIS	SAMPLE HANDLING		TOTAL # BOTTLES
	Filtration	Preservation	
PPAS (537.1)	<input type="checkbox"/> Done	<input type="checkbox"/> Lab to do	2100
	<input type="checkbox"/> Not needed	<input type="checkbox"/> Lab to do	
	<input type="checkbox"/> Lab to do	<input type="checkbox"/> Lab to do	
	(Please specify below)		
Sample Specific Comments			

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials						
		Date	Time								
63636-01	2311-36234-001	4/15/23	1240	DW	—	X					
63636-02	2311-36234-002 (FB)	11/15/23	1239	—	—	X					
63636-03	2311-36234-003	11/15/23	1250	DW	—	X					
63636-04	2311-36234-004 (FB)	11/15/23	1248	—	—	X					
	Asutney Fire district 2 WSID 5339										

Container Type: Preserved with Trizma

Please print clearly legibly and completely. Samples can only be digested in and turnaround time will not start until ready to be received. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By: [Signature] Date/Time: 11/17/23 933  
 Received By: [Signature] Date/Time: 11/17/23 12:30

[Signature] DAVIS ADI 11-17-23 15:15  
 11/17/23-1930

[Signature] 11/17 1515  
 Mendoga AAL 11/17/23 1930

Mendoga AAL 11/17/23 2100  
 Mendoga AAL 11/17/23 2100