



SGS North America, Inc.  
3626 E. Sunset Road, Suite 100  
Las Vegas, NV 89120  
(702) 873-4478  
www.SGS.com

January 18, 2026  
Workorder **25120633**

Randy Sharpe  
H2 Analytics  
2505 Anthem Village Dr Ste E385  
Henderson, NV 89052

Project: Echo Flask (PFAS)

Dear Randy Sharpe:

It is the policy of SGS Silver State Analytical Laboratory - Las Vegas to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Las Vegas maintains accreditation in the State of Nevada (NV-00930).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within hold time for the required analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

25120633  
SUB-PFAS-537.1 has been Sub Contracted.

Sincerely,

A handwritten signature in black ink, appearing to read 'Carly Wood'.

Carly Wood  
General Manager  
3626 E. Sunset Road, Suite 100  
Las Vegas, NV 89120



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# Analytical Report

Workorder#: 25120633  
Date Reported: 1/18/2026

**Client:** H2 Analytics  
**Project Name:** Echo Flask (PFAS)  
**PO #:**

**Sampled By:** Client

**Laboratory Accreditation Number:** NV930/CA3029

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
25120633-01	Echo Flask (PFAS)	12/12/2025 8:15	12/12/2025

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
SUB	SUB	See Report			DJ		



## FINAL LAB REPORT

**25120633**

32503673

23-Dec-2025

Prepared by

**SGS NORTH AMERICA**

Prepared for

**SGS Silver State Laboratories, Inc.**

Juana Garcia

3626 East Sunset Road, Suite 1  
Las Vegas, NV 89120  
Phone: 702-873-4478  
Email: Juana.Garcia@sgs.com

*This report is approved by*

Tamara Burkamper

tamara.burkamper@sgs.com

Senior Project Manager

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## SGS CERTIFICATIONS

Alaska DEC LAP	17-012
Alaska DEC LCP	NC00919
Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Colorado	NC00919
Connecticut	PH-0258
USDA Soil Permit	P330-20-00103
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2017, 2009 TNI, DoD ELAP QSM 5.4)
Florida DOH	E87634
Hawaii DOH	Approval
Louisiana DEQ	4115
Louisiana DOH	LA031
Maine	2020020
Massachusetts	M-NC919
Michigan	9950
Minnesota (Primary NELAP For Method 23)	037-999-459
Montana	0106
New Hampshire (Secondary NELAP)	2083
New Jersey	NC100
New York	11685
North Carolina DEQ	481
Ohio	87785
Oklahoma	2205
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
UCMR 5	NC00919
US Coast Guard	16714/159.317/SGS
U.S. Fish and Wildlife Service	A22801
Vermont	VT-87634
Virginia	460214
Washington	C913

Rev. 16-Mar-2023

## Laboratory Qualifiers

### Report Definitions

DL	Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank
EMPC	Estimated Maximum Possible Concentration
TEQ	Toxic Equivalent

### Qualifier Definitions

*	Recovery or RPD outside of control limits
A	Indicates reported result is above the established limit
B	Analyte was detected in the Lab Method Blank at a level above ½ the LOQ
U	Undetected (Reported as <LOD for DoD projects)
J	Estimated Concentration.
E	Amount detected is greater than the Upper Calibration Limit
TIC	Tentatively Identified Compound
ND	Not Detected
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
V	The labeled standard recovery was found to be outside of the method control limits.

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

**Note** Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

### Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
Echo Flask (PFAS)	32503673001	12/12/2025 08:15	12/16/2025 12:47	Drinking Water

**Detectable Results Summary**

**\* No Detectable Results \***

### Parameter Cross Reference

#### REGULAR

<u>PARAMETER</u>	<u>CASNO</u>	<u>FULL_NAME</u>
11CI-PF3OUdS	763051-92-9	11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
9CI-PF3ONS	756426-58-1	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
HFPO-DA (GenX)	13252-13-6	Hexafluoropropylene oxide dimer acid
NaDONA	919005-14-4	4,8-dioxa-3H-perfluorononanoic acid
NEtFOSAA	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid
NMeFOSAA	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid
PFBS	375-73-5	Perfluorobutanesulfonic Acid
PFDA	335-76-2	Perfluorodecanoic acid
PFDoA	307-55-1	Perfluorododecanoic acid
PFHpA	375-85-9	Perfluoroheptanoic acid
PFHxA	307-24-4	Perfluorohexanoic acid
PFHxS	355-46-4	Perfluorohexanesulfonic Acid
PFNA	375-95-1	Perfluorononanoic acid
PFOA	335-67-1	Perfluorooctanoic acid
PFOS	1763-23-1	Perfluorooctanesulfonic Acid
PFTreA	376-06-7	Perfluorotetradecanoic acid
PFTriA	72629-94-8	Perfluorotridecanoic acid
PFuNA	2058-94-8	Perfluoroundecanoic acid

#### SURROGATE

<u>PARAMETER</u>	<u>CASNO</u>	<u>FULL_NAME</u>
13C2-PFDA	13CPFDA	13C2-PerFluorodecanoic Acid
13C2-PFHxA	13CPFHXA	13C2-Perfluoro-n-hexanoic Acid
13C3-HFPO-DA	3030247-97-0	13C3-HFPO-DA
d5-NEtFOSAA	1265205-97-7	d5-N-ethyl-perfluoro-1-octanesulfonamidoacetic

**Results of Echo Flask (PFAS)**

Client Sample ID: **Echo Flask (PFAS)**  
 Client Project ID: **25120633**  
 Lab Sample ID: 32503673001-C  
 Lab Project ID: 32503673

Collection Date: 12/12/2025 08:15  
 Received Date: 12/16/2025 12:47  
 Matrix: Drinking Water

**Results by EPA 537.1**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
NEtFOSAA	ND	U	0.750	1.76	ng/L	1	12/19/2025 2:28
NMeFOSAA	ND	U	0.685	1.76	ng/L	1	12/19/2025 2:28
PFBS	ND	U	0.553	1.76	ng/L	1	12/19/2025 2:28
PFDA	ND	U	0.554	1.76	ng/L	1	12/19/2025 2:28
PFDaA	ND	U	0.507	1.76	ng/L	1	12/19/2025 2:28
PFHpA	ND	U	0.546	1.76	ng/L	1	12/19/2025 2:28
PFHxA	ND	U	0.718	1.76	ng/L	1	12/19/2025 2:28
PFHxS	ND	U	0.780	1.76	ng/L	1	12/19/2025 2:28
PFNA	ND	U	0.595	1.76	ng/L	1	12/19/2025 2:28
PFOA	ND	U	0.572	1.76	ng/L	1	12/19/2025 2:28
PFOS	ND	U	0.889	1.76	ng/L	1	12/19/2025 2:28
PFTreA	ND	U	0.557	1.76	ng/L	1	12/19/2025 2:28
PFTriA	ND	U	0.572	1.76	ng/L	1	12/19/2025 2:28
PFuNA	ND	U	0.627	1.76	ng/L	1	12/19/2025 2:28
NaDONA	ND	U	0.604	1.76	ng/L	1	12/19/2025 2:28
9Cl-PF3ONS	ND	U	0.569	1.76	ng/L	1	12/19/2025 2:28
11Cl-PF3OUdS	ND	U	0.732	1.76	ng/L	1	12/19/2025 2:28
HFPO-DA (GenX)	ND	U	0.842	1.76	ng/L	1	12/19/2025 2:28
<b>Surrogates</b>							
13C2-PFDA	110			70.0-130	%	1	12/19/2025 2:28
13C2-PFHxA	110			70.0-130	%	1	12/19/2025 2:28
d5-NEtFOSAA	103			70.0-130	%	1	12/19/2025 2:28
13C3-HFPO-DA	96.9			70.0-130	%	1	12/19/2025 2:28

**Batch Information**

Analytical Batch: **XLC3830**  
 Analytical Method: **EPA 537.1**  
 Instrument: **TQS1**  
 Analyst: **VS**  
 Analytical Date/Time: **12/19/2025 02:28**

Prep Batch: **HXX5826**  
 Prep Method: **EPA 537.1 Prep**  
 Prep Date/Time: **12/17/2025 12:58**  
 Prep Initial Wt./Vol.: **284 mL**  
 Prep Extract Vol: **1 mL**

### Batch Summary

Analytical Method: EPA 537.1

Prep Method: EPA 537.1 Prep

Prep Batch: HXX5826

Prep Date: 12/17/2025 12:58

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
MB for HBN 174127 [HXX/5826]	305881	12/19/2025 00:01	XLC3830	TQS1	VS
LCS3 for HBN 174127 [HXX/5826]	305882	12/19/2025 00:15	XLC3830	TQS1	VS
Batch (305691BMS)	32503644017	12/19/2025 00:45	XLC3830	TQS1	VS
Batch (305691BMSD)	32503644018	12/19/2025 01:00	XLC3830	TQS1	VS
Echo Flask (PFAS)	32503673001	12/19/2025 02:28	XLC3830	TQS1	VS

**Method Blank**

Blank ID: MB for HBN 174127 [HXX/5826]  
 Blank Lab ID: 305881  
 QC for Samples:  
 32503673001

Matrix: Water

**Results by EPA 537.1**

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>DL</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
NEtFOSAA	ND	U	0.822	1.93	ng/L	1
NMeFOSAA	ND	U	0.751	1.93	ng/L	1
PFBS	ND	U	0.606	1.93	ng/L	1
PFDA	ND	U	0.607	1.93	ng/L	1
PFDoA	ND	U	0.556	1.93	ng/L	1
PFHpA	ND	U	0.598	1.93	ng/L	1
PFHxA	ND	U	0.788	1.93	ng/L	1
PFHxS	ND	U	0.855	1.93	ng/L	1
PFNA	ND	U	0.653	1.93	ng/L	1
PFOA	ND	U	0.627	1.93	ng/L	1
PFOS	ND	U	0.975	1.93	ng/L	1
PFTreA	ND	U	0.611	1.93	ng/L	1
PFTriA	ND	U	0.627	1.93	ng/L	1
PFuNA	ND	U	0.687	1.93	ng/L	1
NaDONA	ND	U	0.662	1.93	ng/L	1
9Cl-PF3ONS	ND	U	0.624	1.93	ng/L	1
11Cl-PF3OUdS	ND	U	0.802	1.93	ng/L	1
HFPO-DA (GenX)	ND	U	0.923	1.93	ng/L	1
<b>Surrogates</b>						
13C2-PFDA	92.3			70.0-130	%	1
13C2-PFHxA	90.2			70.0-130	%	1
d5-NEtFOSAA	93.5			70.0-130	%	1
13C3-HFPO-DA	91.3			70.0-130	%	1

**Batch Information**

Analytical Batch: **XLC3830**  
 Analytical Method: **EPA 537.1**  
 Instrument: **TQS1**  
 Analyst: **VS**  
 Analytical Date/Time: **12/19/2025 00:01**  
 Dilution: **1**

Prep Batch: **HXX5826**  
 Prep Method: **EPA 537.1 Prep**  
 Prep Date/Time: **12/17/2025 12:58**  
 Prep Initial Wt./Vol.: **259 mL**  
 Prep Extract Vol: **1 mL**  
 QC CheckCode: **251218D27**

### Blank Spike Summary

Blank Spike ID: LCS3 for HBN 174127 [HXX/5826]

Blank Spike Lab ID: 305882

Date Analyzed: 12/19/2025 00:15

QC for Samples: 32503673001

Matrix: Water

### Results by EPA 537.1

#### Blank Spike (ng/L)

Parameter	Spike	Result	Rec (%)	CL
NEtFOSAA	195	177	90.8	70.0-130
NMeFOSAA	195	175	89.5	70.0-130
PFBS	195	154	78.7	70.0-130
PFDA	195	173	88.7	70.0-130
PFDoA	195	162	83.2	70.0-130
PFHpA	195	192	98.4	70.0-130
PFHxA	195	173	88.6	70.0-130
PFHxS	195	194	99.2	70.0-130
PFNA	195	177	90.5	70.0-130
PFOA	195	185	94.7	70.0-130
PFOS	195	186	95.2	70.0-130
PFTreA	195	161	82.4	70.0-130
PFTriA	195	152	77.7	70.0-130
PFuNA	195	172	87.9	70.0-130
NaDONA	195	174	88.9	70.0-130
9Cl-PF3ONS	195	174	88.9	70.0-130
11Cl-PF3OUdS	195	157	80.2	70.0-130
HFPO-DA (GenX)	195	182	93.2	70.0-130

#### Surrogates

13C2-PFDA			89.9	70.0-130
13C2-PFHxA			81.5	70.0-130
d5-NEtFOSAA			87.1	70.0-130
13C3-HFPO-DA			80.6	70.0-130

### Batch Information

Analytical Batch: **XLC3830**

Analytical Method: **EPA 537.1**

Instrument: **TQS1**

Analyst: **VS**

Prep Batch: **HXX5826**

Prep Method: **EPA 537.1 Prep**

Prep Date/Time: **12/17/2025 12:58**

Spike Init Wt./Vol.: **256 mL** Extract Vol: **1 mL**

Dupe Init Wt./Vol.: Extract Vol:



CHAIN OF CUSTODY RECORD

COC ID: 26314 PAGE: 1 OF: 1

ADDRESS

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Las Vegas, NV 89120
TEL: (702) 873-4478
FAX:

Website: www.SGS.com

32503673 1/1

Form containing contract details (SUB CONTRACTOR: SGS-Wilmington), special instructions, analytical parameters table, and sample collection data (ITEM # 1, SAMPLE ID 25120633-01A, etc.).

Form for chain of custody handoff, including fields for Relinquished/Received By, Date, Time, and TAT options (Standard, RUSH).



ORIGIN ID:LASA (702) 873-4478  
SHIPPING DEPARTMENT SGS LAS VEGAS  
SGS LAS VEGAS  
3626 E. SUNSET SUITE 100

SHIP DATE: 15DEC25  
ACTWGT: 20.00 LB  
CAD: 113979271/INET4535

3 2503673 1/1

LAS VEGAS, NV 89120  
UNITED STATES US

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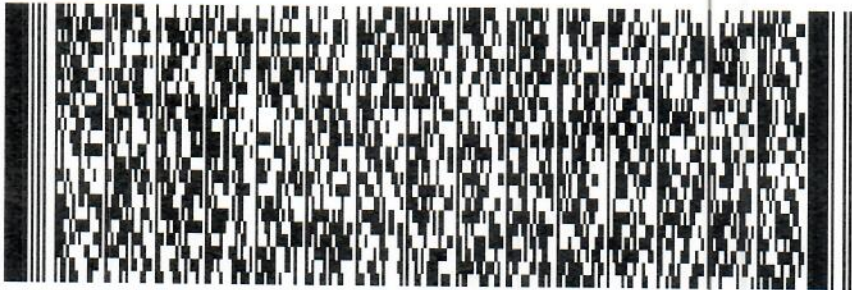
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0.6

32503673

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**TUE - 16 DEC 12:00P**  
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**28405**

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