INITIAL PFAS INVESTIGATION REPORT

Spokane International Airport
Spokane, WA

APPENDIX D (Continued)

Analytical Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Breeyn Greer
Haley & Aldrich, Inc.
505 W Riverside Ave
Suite 450
Spokane, Washington 99201

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JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-28824-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

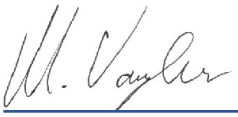
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Job ID: 590-28824-1 Eurofins Spokane

Job Narrative
590-28824-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/7/2025 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-51765 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-28824-1	LA-MW-8-N-01062025	Water	01/06/25 10:05	01/07/25 09:00
590-28824-2	LA-MW-10-N-01062025	Water	01/06/25 11:15	01/07/25 09:00
590-28824-3	LA-MW-10-FD-01062025	Water	01/06/25 11:30	01/07/25 09:00
590-28824-4	LA-MW-9-N-01062025	Water	01/06/25 12:40	01/07/25 09:00
590-28824-5	LA-MW-12-N-01062025	Water	01/06/25 13:30	01/07/25 09:00
590-28824-6	LA-MW-11-N-01062025	Water	01/06/25 14:20	01/07/25 09:00
590-28824-7	W-MW-17-N-01062025	Water	01/06/25 10:15	01/07/25 09:00

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: LA-MW-8-N-01062025 — Lab Sample ID: 590-28824-1

Date Collected: 01/06/25 10:05 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49		0.80	0.42	mg/L			01/07/25 15:06	1
Nitrate as N	4.9		0.20	0.057	mg/L			01/07/25 15:06	1
Sulfate	11		0.50	0.13	mg/L			01/07/25 15:06	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	38		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:40	1
Magnesium	9.7		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 16:40	1
Potassium	4.3		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 16:40	1
Sodium	14		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 00:06	1
Alkalinity as CaCO3 (SM 2320B)	85	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: LA-MW-10-N-01062025 — Lab Sample ID: 590-28824-2

Date Collected: 01/06/25 11:15 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30		0.80	0.42	mg/L			01/07/25 15:16	1
Nitrate as N	3.9		0.20	0.057	mg/L			01/07/25 15:16	1
Sulfate	7.7		0.50	0.13	mg/L			01/07/25 15:16	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	25		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:45	1
Magnesium	7.1		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 16:45	1
Potassium	3.0		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 16:45	1
Sodium	14		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 00:30	1
Alkalinity as CaCO3 (SM 2320B)	75	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: LA-MW-10-FD-01062025 — Lab Sample ID: 590-28824-3

Date Collected: 01/06/25 11:30 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30		0.80	0.42	mg/L			01/07/25 15:26	1
Nitrate as N	4.1		0.20	0.057	mg/L			01/07/25 15:26	1
Sulfate	7.8		0.50	0.13	mg/L			01/07/25 15:26	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	24		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:50	1
Magnesium	7.0		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 16:50	1

Client Sample ID: LA-MW-10-FD-01062025 — Lab Sample ID: 590-28824-3

Date Collected: 01/06/25 11:30 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.9		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 16:50	1
Sodium	13		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 01:17	1
Alkalinity as CaCO3 (SM 2320B)	70	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: LA-MW-9-N-01062025 — Lab Sample ID: 590-28824-4

Date Collected: 01/06/25 12:40 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		8.0	4.2	mg/L			01/08/25 15:52	10
Nitrate as N	ND		0.20	0.057	mg/L			01/07/25 15:36	1
Sulfate	1.6		0.50	0.13	mg/L			01/07/25 15:36	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:15	1
Magnesium	31		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 17:15	1
Potassium	7.1		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 17:15	1
Sodium	59		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 01:41	1
Alkalinity as CaCO3 (SM 2320B)	230	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: LA-MW-12-N-01062025 — Lab Sample ID: 590-28824-5

Date Collected: 01/06/25 13:30 — **Matrix: Water**
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45		0.80	0.42	mg/L			01/07/25 15:46	1
Nitrate as N	3.4		0.20	0.057	mg/L			01/07/25 15:46	1
Sulfate	19		0.50	0.13	mg/L			01/07/25 15:46	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	43		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:20	1
Magnesium	13		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 17:20	1
Potassium	3.5		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 17:20	1
Sodium	19		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.19	J	1.0	0.12	mg/L			01/18/25 02:05	1
Alkalinity as CaCO3 (SM 2320B)	120	B	20	5.0	mg/L			01/13/25 10:31	1

Client: Haley & Aldrich, Inc.
Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LA-MW-11-N-01062025
Lab Sample ID: 590-28824-6
Date Collected: 01/06/25 14:20
Matrix: Water
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19		0.80	0.42	mg/L			01/07/25 15:56	1
Nitrate as N	6.5		0.20	0.057	mg/L			01/07/25 15:56	1
Sulfate	5.5		0.50	0.13	mg/L			01/07/25 15:56	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	22		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:25	1
Magnesium	7.2		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 17:25	1
Potassium	4.6		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 17:25	1
Sodium	7.2		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 02:29	1
Alkalinity as CaCO3 (SM 2320B)	60	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: W-MW-17-N-01062025
Lab Sample ID: 590-28824-7
Date Collected: 01/06/25 10:15
Matrix: Water
Date Received: 01/07/25 09:00

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		8.0	4.2	mg/L			01/08/25 16:22	10
Nitrate as N	2.7		0.20	0.057	mg/L			01/07/25 16:06	1
Sulfate	21		0.50	0.13	mg/L			01/07/25 16:06	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	65		1.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:30	1
Magnesium	16		0.50	0.13	mg/L		01/14/25 11:44	01/16/25 17:30	1
Potassium	6.7		2.0	0.29	mg/L		01/14/25 11:44	01/16/25 17:30	1
Sodium	81		2.0	0.20	mg/L		01/14/25 11:44	01/16/25 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/18/25 02:53	1
Alkalinity as CaCO3 (SM 2320B)	160	B	20	5.0	mg/L			01/13/25 10:31	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51684/1003
Matrix: Water
Analysis Batch: 51684

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/07/25 10:06	1

Lab Sample ID: LCS 590-51684/1004
Matrix: Water
Analysis Batch: 51684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	4.81		mg/L		96	90 - 110

Lab Sample ID: MB 590-51685/1003
Matrix: Water
Analysis Batch: 51685

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/07/25 10:06	1
Sulfate	ND		0.50	0.13	mg/L			01/07/25 10:06	1

Lab Sample ID: LCS 590-51685/1004
Matrix: Water
Analysis Batch: 51685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	12.0		mg/L		96	90 - 110
Sulfate	12.5	11.6		mg/L		92	90 - 110

Lab Sample ID: MB 590-51706/1003
Matrix: Water
Analysis Batch: 51706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/08/25 10:25	1
Sulfate	ND		0.50	0.13	mg/L			01/08/25 10:25	1

Lab Sample ID: LCS 590-51706/1004
Matrix: Water
Analysis Batch: 51706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	12.7		mg/L		102	90 - 110
Sulfate	12.5	12.2		mg/L		97	90 - 110

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 590-51783/2-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/14/25 10:46	01/16/25 13:11	1
Magnesium	ND		0.50	0.13	mg/L		01/14/25 10:46	01/16/25 13:11	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 590-51783/2-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51783

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		2.0	0.29	mg/L		01/14/25 10:46	01/16/25 13:11	1
Sodium	ND		2.0	0.20	mg/L		01/14/25 10:46	01/16/25 13:11	1

Lab Sample ID: LCS 590-51783/1-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51783

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	51.1		mg/L		102	85 - 115
Magnesium	50.0	50.8		mg/L		102	85 - 115
Potassium	50.0	49.6		mg/L		99	85 - 115
Sodium	50.0	49.0		mg/L		98	85 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-482873/50
Matrix: Water
Analysis Batch: 482873

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/17/25 21:55	1

Lab Sample ID: LCS 580-482873/51
Matrix: Water
Analysis Batch: 482873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.22		mg/L		92	90 - 110

Lab Sample ID: LCSD 580-482873/52
Matrix: Water
Analysis Batch: 482873

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.18		mg/L		92	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-51765/1
Matrix: Water
Analysis Batch: 51765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/13/25 10:30	1

Lab Sample ID: LCS 590-51765/2
Matrix: Water
Analysis Batch: 51765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3	501	495		mg/L		99	90 - 110

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LA-MW-8-N-01062025
Lab Sample ID: 590-28824-1
Date Collected: 01/06/25 10:05
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:06	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:06	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 16:40	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 00:06	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: LA-MW-10-N-01062025
Lab Sample ID: 590-28824-2
Date Collected: 01/06/25 11:15
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:16	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:16	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 16:45	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 00:30	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: LA-MW-10-FD-01062025
Lab Sample ID: 590-28824-3
Date Collected: 01/06/25 11:30
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:26	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:26	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 16:50	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 01:17	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: LA-MW-9-N-01062025
Lab Sample ID: 590-28824-4
Date Collected: 01/06/25 12:40
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:36	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:36	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51706	01/08/25 15:52	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 17:15	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 01:41	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LA-MW-12-N-01062025
Lab Sample ID: 590-28824-5

Date Collected: 01/06/25 13:30
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:46	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:46	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 17:20	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 02:05	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: LA-MW-11-N-01062025
Lab Sample ID: 590-28824-6

Date Collected: 01/06/25 14:20
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 15:56	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 15:56	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 17:25	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 02:29	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: W-MW-17-N-01062025
Lab Sample ID: 590-28824-7

Date Collected: 01/06/25 10:15
Matrix: Water
Date Received: 01/07/25 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51684	01/07/25 16:06	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51685	01/07/25 16:06	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51706	01/08/25 16:22	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51783	01/14/25 11:44	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 17:30	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	482873	01/18/25 02:53	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The laboratory is provisionally certified for the analyte(s) listed below:

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Nitrate as N

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	Dept. of Energy	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28824-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
200.7 Rev 4.4	Metals (ICP)	EPA	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
200.7	Preparation, Total Metals	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
LA-MW-8-N-01062025	1/6/25	10:05	H_2O	X	X	X	X	X	6
LA-MW-10-N-01062025	1/6/25	11:15	H_2O	X	X	X	X	X	6
LA-MW-10-FD-01062025	1/6/25	11:30	H_2O	X	X	X	X	X	6
LA-MW-9-N-01062025	1/6/25	12:40	H_2O	X	X	X	X	X	6
LA-MW-12-N-01062025	1/6/25	13:30	H_2O	X	X	X	X	X	6
LA-MW-11-N-01062025	1/6/25	14:10	H_2O	X	X	X	X	X	6
LA-MW-14-N-01062025	1/6/25	16:15	H_2O	X	X	X	X	X	6
FB-01062025	1/6/25	—	H_2O	X					1
EB-01062025	1/6/25	16:25	H_2O	X					3

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- Cations to be analyzed Ca, Mg, K, Na
- Anions to be analyzed Cl, NO_3, SO_4^{2-}
- Alkilinity to be mesaured by titration

24, 3 3cor Pace

Sampled and Relinquished by	Received by
Sign	Sign
Print Breeyn Greer	Print Macky Moore
Firm H&A	Firm FEDEX
Date 1/7/25 Time 0900	Date 1/7/25 900
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-28824 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections·

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

1/20/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/20/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10357.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-28824-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/20/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
Preservation Code:									
LA-MW-8-N-01062025 (590-28824-1)	1/6/25	10:05 Pacific	G	Water			X		
LA-MW-10-N-01062025 (590-28824-2)	1/6/25	11:15 Pacific	G	Water			X		
LA-MW-10-FD-01062025 (590-28824-3)	1/6/25	11:30 Pacific	G	Water			X		
LA-MW-9-N-01062025 (590-28824-4)	1/6/25	12:40 Pacific	G	Water			X		
LA-MW-12-N-01062025 (590-28824-5)	1/6/25	13:30 Pacific	G	Water			X		
LA-MW-11-N-01062025 (590-28824-6)	1/6/25	14:20 Pacific	G	Water			X		
W-MW-17-N-01062025 (590-28824-7)	1/6/25	10:15 Pacific	G	Water			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/7/25 1528	EETSP	Brock Moore	1/8/25 1010	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

IR14 1.8/1.4

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28824-1

Login Number: 28824

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28824-1

Login Number: 28824
List Number: 2
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 01/08/25 03:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR14 cor 1.8 un 1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

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JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-28892-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

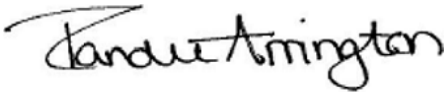
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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1/23/2025 1:28:09 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-28892-1 Eurofins Spokane

Job Narrative
590-28892-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/9/2025 10:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-51765 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-28892-1	EA-MW-13B-N-01082025	Water	01/08/25 10:35	01/09/25 10:50
590-28892-2	EA-MW-8A-N-01082025	Water	01/08/25 12:00	01/09/25 10:50
590-28892-3	EA-MW-5A-N-01082025	Water	01/08/25 13:15	01/09/25 10:50
590-28892-4	EA-MW-5A-FD-01082025	Water	01/08/25 13:30	01/09/25 10:50
590-28892-5	SWN-MW-321-N-01082025	Water	01/08/25 14:55	01/09/25 10:50

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: EA-MW-13B-N-01082025 — Lab Sample ID: 590-28892-1

Date Collected: 01/08/25 10:35 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		0.80	0.42	mg/L			01/09/25 14:09	1
Nitrate as N	35		0.20	0.057	mg/L			01/09/25 14:09	1
Sulfate	26		0.50	0.13	mg/L			01/09/25 14:09	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	72		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:48	1
Magnesium	23		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 19:48	1
Potassium	10		2.0	0.29	mg/L		01/14/25 11:49	01/16/25 19:48	1
Sodium	13		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/22/25 01:23	1
Alkalinity as CaCO3 (SM 2320B)	190	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: EA-MW-8A-N-01082025 — Lab Sample ID: 590-28892-2

Date Collected: 01/08/25 12:00 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.1		0.80	0.42	mg/L			01/09/25 14:19	1
Nitrate as N	0.76		0.20	0.057	mg/L			01/09/25 14:19	1
Sulfate	2.9		0.50	0.13	mg/L			01/09/25 14:19	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	18		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:53	1
Magnesium	5.6		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 19:53	1
Potassium	1.8	J	2.0	0.29	mg/L		01/14/25 11:49	01/16/25 19:53	1
Sodium	7.1		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/22/25 01:35	1
Alkalinity as CaCO3 (SM 2320B)	85	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: EA-MW-5A-N-01082025 — Lab Sample ID: 590-28892-3

Date Collected: 01/08/25 13:15 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		0.80	0.42	mg/L			01/09/25 14:29	1
Nitrate as N	2.3		0.20	0.057	mg/L			01/09/25 14:29	1
Sulfate	5.1		0.50	0.13	mg/L			01/09/25 14:29	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:58	1
Magnesium	5.5		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 19:58	1

Client Sample ID: EA-MW-5A-N-01082025 — Lab Sample ID: 590-28892-3

Date Collected: 01/08/25 13:15 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	3.0		2.0	0.29	mg/L		01/14/25 11:49	01/16/25 19:58	1
Sodium	7.8		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/22/25 01:47	1
Alkalinity as CaCO3 (SM 2320B)	80	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: EA-MW-5A-FD-01082025 — Lab Sample ID: 590-28892-4

Date Collected: 01/08/25 13:30 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		0.80	0.42	mg/L			01/09/25 14:39	1
Nitrate as N	2.4		0.20	0.057	mg/L			01/09/25 14:39	1
Sulfate	5.1		0.50	0.13	mg/L			01/09/25 14:39	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 20:04	1
Magnesium	5.7		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 20:04	1
Potassium	3.0		2.0	0.29	mg/L		01/14/25 11:49	01/16/25 20:04	1
Sodium	8.0		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/22/25 01:59	1
Alkalinity as CaCO3 (SM 2320B)	80	B	20	5.0	mg/L			01/13/25 10:31	1

Client Sample ID: SWN-MW-321-N-01082025 — Lab Sample ID: 590-28892-5

Date Collected: 01/08/25 14:55 — **Matrix: Water**
Date Received: 01/09/25 10:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	690		8.0	4.2	mg/L			01/09/25 19:09	10
Nitrate as N	4.8		0.20	0.057	mg/L			01/09/25 14:49	1
Sulfate	21		0.50	0.13	mg/L			01/09/25 14:49	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	110		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 20:09	1
Magnesium	34		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 20:09	1
Potassium	6.6		2.0	0.29	mg/L		01/14/25 11:49	01/16/25 20:09	1
Sodium	150		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 20:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/22/25 02:11	1
Alkalinity as CaCO3 (SM 2320B)	30	B	20	5.0	mg/L			01/13/25 10:31	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51723/1003
Matrix: Water
Analysis Batch: 51723

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/09/25 13:03	1

Lab Sample ID: LCS 590-51723/1004
Matrix: Water
Analysis Batch: 51723

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	5.11		mg/L		102	90 - 110

Lab Sample ID: MB 590-51724/1003
Matrix: Water
Analysis Batch: 51724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/09/25 13:03	1
Sulfate	ND		0.50	0.13	mg/L			01/09/25 13:03	1

Lab Sample ID: LCS 590-51724/1004
Matrix: Water
Analysis Batch: 51724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	12.9		mg/L		103	90 - 110
Sulfate	12.5	12.3		mg/L		98	90 - 110

Lab Sample ID: MB 590-51751/1001
Matrix: Water
Analysis Batch: 51751

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/09/25 17:29	1
Sulfate	ND		0.50	0.13	mg/L			01/09/25 17:29	1

Lab Sample ID: LCS 590-51751/1002
Matrix: Water
Analysis Batch: 51751

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	13.2		mg/L		106	90 - 110
Sulfate	12.5	12.7		mg/L		102	90 - 110

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 590-51789/2-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/14/25 11:49	01/16/25 17:51	1
Magnesium	ND		0.50	0.13	mg/L		01/14/25 11:49	01/16/25 17:51	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 590-51789/2-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		2.0	0.29	mg/L		01/14/25 11:49	01/16/25 17:51	1
Sodium	ND		2.0	0.20	mg/L		01/14/25 11:49	01/16/25 17:51	1

Lab Sample ID: LCS 590-51789/1-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51789

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.2		mg/L		100	85 - 115
Magnesium	50.0	49.0		mg/L		98	85 - 115
Potassium	50.0	49.9		mg/L		100	85 - 115
Sodium	50.0	49.4		mg/L		99	85 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-483244/4
Matrix: Water
Analysis Batch: 483244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/21/25 20:49	1

Lab Sample ID: LCS 580-483244/5
Matrix: Water
Analysis Batch: 483244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.16		mg/L		92	90 - 110

Lab Sample ID: LCSD 580-483244/6
Matrix: Water
Analysis Batch: 483244

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.16		mg/L		92	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-51765/1
Matrix: Water
Analysis Batch: 51765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/13/25 10:30	1

Lab Sample ID: LCS 590-51765/2
Matrix: Water
Analysis Batch: 51765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3	501	495		mg/L		99	90 - 110

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: EA-MW-13B-N-01082025
Lab Sample ID: 590-28892-1
Date Collected: 01/08/25 10:35
Matrix: Water
Date Received: 01/09/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51723	01/09/25 14:09	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51724	01/09/25 14:09	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51789	01/14/25 11:49	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 19:48	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483244	01/22/25 01:23	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: EA-MW-8A-N-01082025
Lab Sample ID: 590-28892-2
Date Collected: 01/08/25 12:00
Matrix: Water
Date Received: 01/09/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51723	01/09/25 14:19	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51724	01/09/25 14:19	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51789	01/14/25 11:49	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 19:53	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483244	01/22/25 01:35	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: EA-MW-5A-N-01082025
Lab Sample ID: 590-28892-3
Date Collected: 01/08/25 13:15
Matrix: Water
Date Received: 01/09/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51723	01/09/25 14:29	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51724	01/09/25 14:29	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51789	01/14/25 11:49	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 19:58	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483244	01/22/25 01:47	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Client Sample ID: EA-MW-5A-FD-01082025
Lab Sample ID: 590-28892-4
Date Collected: 01/08/25 13:30
Matrix: Water
Date Received: 01/09/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51723	01/09/25 14:39	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51724	01/09/25 14:39	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51789	01/14/25 11:49	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 20:04	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483244	01/22/25 01:59	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SWN-MW-321-N-01082025
Lab Sample ID: 590-28892-5

Date Collected: 01/08/25 14:55
Matrix: Water
Date Received: 01/09/25 10:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51723	01/09/25 14:49	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51724	01/09/25 14:49	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51751	01/09/25 19:09	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51789	01/14/25 11:49	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/16/25 20:09	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483244	01/22/25 02:11	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51765	01/13/25 10:31	RMA	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28892-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
200.7 Rev 4.4	Metals (ICP)	EPA	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
200.7	Preparation, Total Metals	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
EA-MW-13B-N-01082025	1/8/25	10:35	H_2O		X	X	X	X	3
EA-MW-8A-N-01082025	1/8/25	12:00	H_2O		X	X	X	X	3
EA-MW-5A-N-01082025	1/8/25	13:15	H_2O		X	X	X	X	3
EA-MW-5A-FD-01082025	1/8/25	13:30	H_2O		X	X	X	X	3
SWN-MW-32I-N-01082025	1/8/25	14:55	H_2O		X	X	X	X	3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– Cations to be analyzed Ca, Mg, K, Na
– Anions to be analyzed Cl, NO_3, SO_4^{2-}
– Alkilinity to be mesaured by titration

2.4, 2.8 ice IR0006

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Macky Morris
Firm H&A	Firm EELS80
Date 1/9/25 Time 1050	Date 1/9/25 1050
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

SOLID

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Clear Glass		
Preservative		
Volume		

Sampling Comments

590-28892 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

1/23/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/23/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10379.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-28892-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/22/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EA-MW-13B-N-01082025 (590-28892-1)	1/8/25	10:35 Pacific	G	Water			X	1	
EA-MW-8A-N-01082025 (590-28892-2)	1/8/25	12:00 Pacific	G	Water			X	1	
EA-MW-5A-N-01082025 (590-28892-3)	1/8/25	13:15 Pacific	G	Water			X	1	
EA-MW-5A-FD-01082025 (590-28892-4)	1/8/25	13:30 Pacific	G	Water			X	1	
SWN-MW-321-N-01082025 (590-28892-5)	1/8/25	14:55 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/13/25 1420	EEST		1-14-25 1045	EEtn
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 1.9/2.9

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28892-1

Login Number: 28892

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28892-1

Login Number: 28892
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/14/25 12:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	ir11 1.9c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 1/29/2025 8:45:24 AM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-28940-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

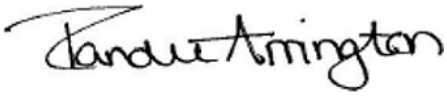
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
1/29/2025 8:45:24 AM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-28940-1 Eurofins Spokane

Job Narrative
590-28940-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/14/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D - Total Recoverable: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-51835 and analytical batch 590-51850 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D - Total Recoverable: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-51835 and analytical batch 590-52040 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-51977 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-28940-1	GCF-MW-5D-N-01132025	Water	01/13/25 12:40	01/14/25 09:50
590-28940-2	EA-MW-5B-N-01132025	Water	01/13/25 15:30	01/14/25 09:50
590-28940-3	GCF-MW-13-N-01132025	Water	01/13/25 10:40	01/14/25 09:50
590-28940-4	GCF-MW-5-N-01132025	Water	01/13/25 11:40	01/14/25 09:50
590-28940-5	GCF-MW-5-FD-01132025	Water	01/13/25 12:10	01/14/25 09:50
590-28940-6	GCF-MW-11-N-01132025	Water	01/13/25 13:05	01/14/25 09:50
590-28940-7	GCF-MW-7-N-01132025	Water	01/13/25 14:45	01/14/25 09:50
590-28940-8	GCF-MW-11B-N-01132025	Water	01/13/25 16:10	01/14/25 09:50

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GCF-MW-5D-N-01132025
Lab Sample ID: 590-28940-1
Date Collected: 01/13/25 12:40
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		8.0	4.2	mg/L			01/14/25 12:59	10
Nitrate as N	2.5		2.0	0.57	mg/L			01/14/25 12:59	10
Sulfate	14		5.0	1.3	mg/L			01/14/25 12:59	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	150	F1	1.0	0.20	mg/L		01/16/25 13:36	01/17/25 05:20	1
Magnesium	36		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 05:20	1
Potassium	1.5	J	2.0	0.29	mg/L		01/16/25 13:36	01/28/25 15:32	1
Sodium	14		2.0	0.20	mg/L		01/16/25 13:36	01/17/25 05:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.16	J	1.0	0.12	mg/L			01/24/25 21:36	1
Alkalinity as CaCO3 (SM 2320B)	170	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: EA-MW-5B-N-01132025
Lab Sample ID: 590-28940-2
Date Collected: 01/13/25 15:30
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.0		0.80	0.42	mg/L			01/14/25 16:18	1
Nitrate as N	3.5		0.20	0.057	mg/L			01/14/25 16:18	1
Sulfate	86		0.50	0.13	mg/L			01/14/25 16:18	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:05	1
Magnesium	24		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:05	1
Potassium	11		2.0	0.29	mg/L		01/16/25 13:36	01/28/25 16:02	1
Sodium	9.8		2.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/24/25 21:59	1
Alkalinity as CaCO3 (SM 2320B)	360	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-13-N-01132025
Lab Sample ID: 590-28940-3
Date Collected: 01/13/25 10:40
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		8.0	4.2	mg/L			01/14/25 13:19	10
Nitrate as N	0.65	J	2.0	0.57	mg/L			01/14/25 13:19	10
Sulfate	31		5.0	1.3	mg/L			01/14/25 13:19	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:10	1
Magnesium	21		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:10	1

Client Sample ID: GCF-MW-13-N-01132025
Lab Sample ID: 590-28940-3
Date Collected: 01/13/25 10:40
Matrix: Water
Date Received: 01/14/25 09:50

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.7	J	2.0	0.29	mg/L		01/16/25 13:36	01/28/25 16:07	1
Sodium	180		2.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/24/25 22:23	1
Alkalinity as CaCO3 (SM 2320B)	240	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-5-N-01132025
Lab Sample ID: 590-28940-4
Date Collected: 01/13/25 11:40
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39		8.0	4.2	mg/L			01/14/25 13:29	10
Nitrate as N	14		2.0	0.57	mg/L			01/14/25 13:29	10
Sulfate	11		5.0	1.3	mg/L			01/14/25 13:29	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	25		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:15	1
Magnesium	7.8		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:15	1
Potassium	3.3		2.0	0.29	mg/L		01/16/25 13:36	01/28/25 16:40	1
Sodium	8.4		2.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/24/25 23:11	1
Alkalinity as CaCO3 (SM 2320B)	20	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-5-FD-01132025
Lab Sample ID: 590-28940-5
Date Collected: 01/13/25 12:10
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32		8.0	4.2	mg/L			01/14/25 13:39	10
Nitrate as N	12		2.0	0.57	mg/L			01/14/25 13:39	10
Sulfate	9.9		5.0	1.3	mg/L			01/14/25 13:39	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	25		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:20	1
Magnesium	7.7		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:20	1
Potassium	3.3		2.0	0.29	mg/L		01/16/25 13:36	01/28/25 16:45	1
Sodium	8.3		2.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/24/25 23:35	1
Alkalinity as CaCO3 (SM 2320B)	25	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-11-N-01132025
Lab Sample ID: 590-28940-6

Date Collected: 01/13/25 13:05
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	730		8.0	4.2	mg/L			01/14/25 13:49	10
Nitrate as N	3.4		2.0	0.57	mg/L			01/14/25 13:49	10
Sulfate	17		5.0	1.3	mg/L			01/14/25 13:49	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:25	1
Magnesium	33		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:25	1
Potassium	1.7	J	10	1.5	mg/L		01/16/25 13:36	01/28/25 16:50	5
Sodium	230		10	0.98	mg/L		01/16/25 13:36	01/28/25 16:50	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/24/25 23:59	1
Alkalinity as CaCO3 (SM 2320B)	65	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-7-N-01132025
Lab Sample ID: 590-28940-7

Date Collected: 01/13/25 14:45
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3000		80	42	mg/L			01/14/25 16:28	100
Nitrate as N	2.4		2.0	0.57	mg/L			01/14/25 14:19	10
Sulfate	37		5.0	1.3	mg/L			01/14/25 14:19	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	720		5.0	1.0	mg/L		01/16/25 13:36	01/28/25 16:55	5
Magnesium	180		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:30	1
Potassium	ND		10	1.5	mg/L		01/16/25 13:36	01/28/25 16:55	5
Sodium	210		10	0.98	mg/L		01/16/25 13:36	01/28/25 16:55	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/25/25 00:23	1
Alkalinity as CaCO3 (SM 2320B)	170	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-11B-N-01132025
Lab Sample ID: 590-28940-8

Date Collected: 01/13/25 16:10
Matrix: Water
Date Received: 01/14/25 09:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86		8.0	4.2	mg/L			01/14/25 14:29	10
Nitrate as N	0.75	J	2.0	0.57	mg/L			01/14/25 14:29	10
Sulfate	16		5.0	1.3	mg/L			01/14/25 14:29	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	58		1.0	0.20	mg/L		01/16/25 13:36	01/17/25 06:50	1
Magnesium	14		0.50	0.13	mg/L		01/16/25 13:36	01/17/25 06:50	1

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-11B-N-01132025
Lab Sample ID: 590-28940-8
Date Collected: 01/13/25 16:10
Matrix: Water
Date Received: 01/14/25 09:50

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.5		2.0	0.29	mg/L		01/16/25 13:36	01/28/25 17:00	1
Sodium	9.0		2.0	0.20	mg/L		01/16/25 13:36	01/28/25 17:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.13	J	1.0	0.12	mg/L			01/25/25 00:46	1
Alkalinity as CaCO3 (SM 2320B)	120	B	20	5.0	mg/L			01/24/25 13:27	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51791/1003
Matrix: Water
Analysis Batch: 51791

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/14/25 11:33	1
Sulfate	ND		0.50	0.13	mg/L			01/14/25 11:33	1

Lab Sample ID: LCS 590-51791/1004
Matrix: Water
Analysis Batch: 51791

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	13.3		mg/L		106	90 - 110
Sulfate	12.5	12.5		mg/L		100	90 - 110

Lab Sample ID: MB 590-51792/1003
Matrix: Water
Analysis Batch: 51792

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/14/25 11:33	1

Lab Sample ID: LCS 590-51792/1004
Matrix: Water
Analysis Batch: 51792

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	5.23		mg/L		105	90 - 110

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-51835/2-A
Matrix: Water
Analysis Batch: 51850

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/16/25 13:35	01/17/25 05:15	1
Magnesium	ND		0.50	0.13	mg/L		01/16/25 13:35	01/17/25 05:15	1
Sodium	ND		2.0	0.20	mg/L		01/16/25 13:35	01/17/25 05:15	1

Lab Sample ID: MB 590-51835/2-A
Matrix: Water
Analysis Batch: 52040

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/16/25 13:35	01/28/25 15:27	1
Potassium	ND		2.0	0.29	mg/L		01/16/25 13:35	01/28/25 15:27	1
Sodium	ND		2.0	0.20	mg/L		01/16/25 13:35	01/28/25 15:27	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 590-51835/1-A
Matrix: Water
Analysis Batch: 51850

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	48.7		mg/L		97	80 - 120
Magnesium	50.0	44.8		mg/L		90	80 - 120
Sodium	50.0	53.9		mg/L		108	80 - 154

Lab Sample ID: LCS 590-51835/1-A
Matrix: Water
Analysis Batch: 52040

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.0		mg/L		100	80 - 120
Potassium	50.0	52.6	^1+	mg/L		105	80 - 135
Sodium	50.0	51.3		mg/L		103	80 - 154

Lab Sample ID: 590-28940-1 MS
Matrix: Water
Analysis Batch: 51850

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	150	F1	50.0	180	F1	mg/L		66	75 - 125
Magnesium	36		50.0	76.5		mg/L		80	75 - 125
Sodium	14		50.0	68.3		mg/L		108	75 - 125

Lab Sample ID: 590-28940-1 MS
Matrix: Water
Analysis Batch: 52040

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	160	F1	50.0	190	F1	mg/L		65	75 - 125
Potassium	1.5	J	50.0	55.7		mg/L		108	75 - 125
Sodium	15		50.0	64.7		mg/L		100	75 - 125

Lab Sample ID: 590-28940-1 MSD
Matrix: Water
Analysis Batch: 51850

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	150	F1	50.0	179	F1	mg/L		63	75 - 125	1	20
Magnesium	36		50.0	75.5		mg/L		78	75 - 125	1	20
Sodium	14		50.0	67.9		mg/L		107	75 - 125	1	20

Lab Sample ID: 590-28940-1 MSD
Matrix: Water
Analysis Batch: 52040

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	160	F1	50.0	188	F1	mg/L		61	75 - 125	1	20
Potassium	1.5	J	50.0	55.0		mg/L		107	75 - 125	1	20
Sodium	15		50.0	63.3		mg/L		97	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 590-28940-1 DU
Matrix: Water
Analysis Batch: 51850

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	150	F1	147		mg/L		0.3	20
Magnesium	36		36.2		mg/L		0.4	20
Sodium	14		14.9		mg/L		4	20

Lab Sample ID: 590-28940-1 DU
Matrix: Water
Analysis Batch: 52040

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total Recoverable
Prep Batch: 51835

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Calcium	160	F1	157		mg/L		0.2	20
Potassium	1.5	J	1.56	J	mg/L		3	20
Sodium	15		14.7		mg/L		0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-483640/11
Matrix: Water
Analysis Batch: 483640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/24/25 19:01	1

Lab Sample ID: LCS 580-483640/12
Matrix: Water
Analysis Batch: 483640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.26		mg/L		93	90 - 110

Lab Sample ID: LCSD 580-483640/13
Matrix: Water
Analysis Batch: 483640

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.24		mg/L		92	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-51977/1
Matrix: Water
Analysis Batch: 51977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/24/25 13:26	1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 590-51977/2
Matrix: Water
Analysis Batch: 51977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity as CaCO3			501	495		mg/L		99	90 - 110		

Lab Sample ID: 590-28940-1 DU
Matrix: Water
Analysis Batch: 51977

Client Sample ID: GCF-MW-5D-N-01132025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity as CaCO3	170	B		170		mg/L					10

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-5D-N-01132025
Lab Sample ID: 590-28940-1
Date Collected: 01/13/25 12:40
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 12:59	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 12:59	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 05:20	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 15:32	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 21:36	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: EA-MW-5B-N-01132025
Lab Sample ID: 590-28940-2
Date Collected: 01/13/25 15:30
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51791	01/14/25 16:18	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51792	01/14/25 16:18	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:05	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 16:02	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 21:59	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-13-N-01132025
Lab Sample ID: 590-28940-3
Date Collected: 01/13/25 10:40
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 13:19	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 13:19	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:10	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 16:07	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 22:23	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-5-N-01132025
Lab Sample ID: 590-28940-4
Date Collected: 01/13/25 11:40
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 13:29	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 13:29	NMI	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-5-N-01132025
Lab Sample ID: 590-28940-4
Date Collected: 01/13/25 11:40
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:15	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 16:40	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 23:11	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-5-FD-01132025
Lab Sample ID: 590-28940-5
Date Collected: 01/13/25 12:10
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 13:39	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 13:39	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:20	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 16:45	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 23:35	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-11-N-01132025
Lab Sample ID: 590-28940-6
Date Collected: 01/13/25 13:05
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 13:49	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 13:49	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:25	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		5			52040	01/28/25 16:50	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/24/25 23:59	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-7-N-01132025
Lab Sample ID: 590-28940-7
Date Collected: 01/13/25 14:45
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 14:19	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 14:19	NMI	EET SPK
Total/NA	Analysis	300.0		100	5 mL	5 mL	51791	01/14/25 16:28	NMI	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-7-N-01132025
Lab Sample ID: 590-28940-7
Date Collected: 01/13/25 14:45
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:30	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		5			52040	01/28/25 16:55	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/25/25 00:23	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-11B-N-01132025
Lab Sample ID: 590-28940-8
Date Collected: 01/13/25 16:10
Matrix: Water
Date Received: 01/14/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51791	01/14/25 14:29	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51792	01/14/25 14:29	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			51850	01/17/25 06:50	AMB	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	51835	01/16/25 13:36	AMB	EET SPK
Total Recoverable	Analysis	6010D		1			52040	01/28/25 17:00	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483640	01/25/25 00:46	CSS	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28940-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
6010D	Metals (ICP)	SW846	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
GCF MW 5D N-01132025	1/13/25	12 40	H_2O		X	X	X	X	3 ea
EA-MW 5B-N-01132025	1/13/25	15 3			X	X	X	X	
GCF-MW 13 N-01132025	1/13/25	10 10			X	X	X	X	
GCF MW 5 N-01132025	1/13/25	11 40			X	X	X	X	
GCF-MW 5FD-01132025	1/13/25	12.10			X	X	X	X	
GCF MW 11 N-01132025	1/13/25	13 05			X	X	X	X	
GCF MW 7 N-01132025	1/13/25	14 45			X	X	X	X	
GCF-MW 11B N 01132025	1/13/25	16 10			X	X	X	X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– Cations to be analyzed Ca, Mg, K, Na
– Anions to be analyzed Cl, NO_3, SO_4^{2-}
– Alkilinity to be mesaured by titration

2 8,32 coon 1Kools

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Mackyllions
Firm H&A	Firm EGT SPO
Date 1/14/25 Time 0950	Date 1/14/25 0950
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-28940 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10394.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-28940-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/27/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GCF-MW-5D-N-01132025 (590-28940-1)	1/13/25	12:40 Pacific	G	Water			X	1	
EA-MW-5B-N-01132025 (590-28940-2)	1/13/25	15:30 Pacific	G	Water			X	1	
GCF-MW-13-N-01132025 (590-28940-3)	1/13/25	10:40 Pacific	G	Water			X	1	
GCF-MW-5-N-01132025 (590-28940-4)	1/13/25	11:40 Pacific	G	Water			X	1	
GCF-MW-5-FD-01132025 (590-28940-5)	1/13/25	12:10 Pacific	G	Water			X	1	
GCF-MW-11-N-01132025 (590-28940-6)	1/13/25	13:05 Pacific	G	Water			X	1	
GCF-MW-7-N-01132025 (590-28940-7)	1/13/25	14:45 Pacific	G	Water			X	1	
GCF-MW-11B-N-01132025 (590-28940-8)	1/13/25	16:10 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/15/25 1427	EETSPO	[signature]	1/16/25 0830	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 1.4/2.4

Ver: 10/10/2024

1/29/2025

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28940-1

Login Number: 28940
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28940-1

Login Number: 28940
List Number: 2
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 01/16/25 06:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.4c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 1/30/2025 3:38:41 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-28985-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

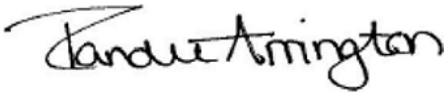
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-28985-1 Eurofins Spokane

Job Narrative
590-28985-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/15/2025 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

HPLC/IC
Method 300_ORGFMS: The following sample was diluted to bring the concentration of target analytes within the calibration range: GDF-MW-10R-N-01142025 (590-28985-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-51977 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-28985-1	EA-MW-8B-N-01142025	Water	01/14/25 11:50	01/15/25 15:50
590-28985-2	GDF-GR-5-N-01142025	Water	01/14/25 14:05	01/15/25 15:50
590-28985-3	GCF-MW-11A-N-01142025	Water	01/14/25 10:35	01/15/25 15:50
590-28985-4	GCF-MW-12A-N-01142025	Water	01/14/25 11:55	01/15/25 15:50
590-28985-5	GCF-MW-12A-FD-01142025	Water	01/14/25 12:25	01/15/25 15:50
590-28985-6	GCF-MW-12B-N-01142025	Water	01/14/25 13:15	01/15/25 15:50
590-28985-7	GDF-MW-10A-N-01142025	Water	01/14/25 14:30	01/15/25 15:50
590-28985-8	GDF-MW-10R-N-01142025	Water	01/14/25 15:15	01/15/25 15:50

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: EA-MW-8B-N-01142025
Lab Sample ID: 590-28985-1
Date Collected: 01/14/25 11:50
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.2		0.80	0.42	mg/L			01/20/25 15:58	1
Nitrate as N	6.8		2.0	0.57	mg/L			01/15/25 16:14	10
Sulfate	14		5.0	1.3	mg/L			01/15/25 16:14	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	22		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:08	1
Magnesium	5.3		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:08	1
Potassium	2.0		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:08	1
Sodium	7.3		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 03:59	1
Alkalinity as CaCO3 (SM 2320B)	160	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GDF-GR-5-N-01142025
Lab Sample ID: 590-28985-2
Date Collected: 01/14/25 14:05
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15		8.0	4.2	mg/L			01/15/25 16:24	10
Nitrate as N	3.1		2.0	0.57	mg/L			01/15/25 16:24	10
Sulfate	6.8		5.0	1.3	mg/L			01/15/25 16:24	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	22		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:13	1
Magnesium	8.2		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:13	1
Potassium	3.2		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:13	1
Sodium	5.5		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 04:23	1
Alkalinity as CaCO3 (SM 2320B)	75	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-11A-N-01142025
Lab Sample ID: 590-28985-3
Date Collected: 01/14/25 10:35
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95		8.0	4.2	mg/L			01/15/25 16:34	10
Nitrate as N	3.3		2.0	0.57	mg/L			01/15/25 16:34	10
Sulfate	19		5.0	1.3	mg/L			01/15/25 16:34	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	69		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:18	1
Magnesium	18		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:18	1

Client Sample ID: GCF-MW-11A-N-01142025
Lab Sample ID: 590-28985-3
Date Collected: 01/14/25 10:35
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.7		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:18	1
Sodium	8.5		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 04:47	1
Alkalinity as CaCO3 (SM 2320B)	140	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-12A-N-01142025
Lab Sample ID: 590-28985-4
Date Collected: 01/14/25 11:55
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92		8.0	4.2	mg/L			01/15/25 16:44	10
Nitrate as N	4.8		2.0	0.57	mg/L			01/15/25 16:44	10
Sulfate	24		5.0	1.3	mg/L			01/15/25 16:44	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	69		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:23	1
Magnesium	18		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:23	1
Potassium	2.4		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:23	1
Sodium	8.8		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 05:35	1
Alkalinity as CaCO3 (SM 2320B)	140	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-12A-FD-01142025
Lab Sample ID: 590-28985-5
Date Collected: 01/14/25 12:25
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87		8.0	4.2	mg/L			01/15/25 16:54	10
Nitrate as N	4.6		2.0	0.57	mg/L			01/15/25 16:54	10
Sulfate	20		5.0	1.3	mg/L			01/15/25 16:54	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	69		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:28	1
Magnesium	18		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:28	1
Potassium	2.5		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:28	1
Sodium	8.8		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 05:59	1
Alkalinity as CaCO3 (SM 2320B)	130	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GCF-MW-12B-N-01142025
Lab Sample ID: 590-28985-6
Date Collected: 01/14/25 13:15
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	820		8.0	4.2	mg/L			01/15/25 17:04	10
Nitrate as N	5.8		2.0	0.57	mg/L			01/15/25 17:04	10
Sulfate	37		5.0	1.3	mg/L			01/15/25 17:04	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	310		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:33	1
Magnesium	67		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:33	1
Potassium	1.3	J	2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:33	1
Sodium	24		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 06:22	1
Alkalinity as CaCO3 (SM 2320B)	180	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GDF-MW-10A-N-01142025
Lab Sample ID: 590-28985-7
Date Collected: 01/14/25 14:30
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		8.0	4.2	mg/L			01/15/25 17:14	10
Nitrate as N	1.3	J	2.0	0.57	mg/L			01/15/25 17:14	10
Sulfate	7.8		5.0	1.3	mg/L			01/15/25 17:14	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	90		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:38	1
Magnesium	22		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:38	1
Potassium	2.6		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:38	1
Sodium	10		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.17	J	1.0	0.12	mg/L			01/29/25 06:46	1
Alkalinity as CaCO3 (SM 2320B)	200	B	20	5.0	mg/L			01/24/25 13:27	1

Client Sample ID: GDF-MW-10R-N-01142025
Lab Sample ID: 590-28985-8
Date Collected: 01/14/25 15:15
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	890		8.0	4.2	mg/L			01/15/25 17:24	10
Nitrate as N	ND		2.0	0.57	mg/L			01/15/25 17:24	10
Sulfate	16		5.0	1.3	mg/L			01/15/25 17:24	10

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	260		1.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:43	1
Magnesium	64		0.50	0.13	mg/L		01/16/25 13:33	01/17/25 01:43	1

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GDF-MW-10R-N-01142025
Lab Sample ID: 590-28985-8
Date Collected: 01/14/25 15:15
Matrix: Water
Date Received: 01/15/25 15:50

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	5.7		2.0	0.29	mg/L		01/16/25 13:33	01/17/25 01:43	1
Sodium	49		2.0	0.20	mg/L		01/16/25 13:33	01/17/25 01:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.56	J	1.0	0.12	mg/L			01/29/25 07:10	1
Alkalinity as CaCO3 (SM 2320B)	50	B	20	5.0	mg/L			01/24/25 13:27	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51802/1003
Matrix: Water
Analysis Batch: 51802

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/15/25 09:13	1
Sulfate	ND		0.50	0.13	mg/L			01/15/25 09:13	1

Lab Sample ID: LCS 590-51802/1004
Matrix: Water
Analysis Batch: 51802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			12.5	13.3		mg/L		107	90 - 110		
Sulfate			12.5	12.6		mg/L		101	90 - 110		

Lab Sample ID: MB 590-51803/1003
Matrix: Water
Analysis Batch: 51803

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/15/25 09:13	1

Lab Sample ID: LCS 590-51803/1004
Matrix: Water
Analysis Batch: 51803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N			5.00	5.23		mg/L		105	90 - 110		

Lab Sample ID: MB 590-51899/1014
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/20/25 14:59	1
Sulfate	ND		0.50	0.13	mg/L			01/20/25 14:59	1

Lab Sample ID: LCS 590-51899/1015
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			12.5	12.5		mg/L		100	90 - 110		
Sulfate			12.5	12.5		mg/L		100	90 - 110		

Lab Sample ID: 590-28985-1 MS
Matrix: Water
Analysis Batch: 51899

Client Sample ID: EA-MW-8B-N-01142025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3.2		11.4	15.3		mg/L		107	80 - 120		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 590-28985-1 MSD
Matrix: Water
Analysis Batch: 51899

Client Sample ID: EA-MW-8B-N-01142025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.2		11.4	15.3		mg/L		107	80 - 120	0	10

Lab Sample ID: 590-28985-1 DU
Matrix: Water
Analysis Batch: 51899

Client Sample ID: EA-MW-8B-N-01142025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	3.2		3.37		mg/L		6	18.8

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 590-51834/2-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/16/25 13:33	01/16/25 23:32	1
Magnesium	ND		0.50	0.13	mg/L		01/16/25 13:33	01/16/25 23:32	1
Potassium	ND		2.0	0.29	mg/L		01/16/25 13:33	01/16/25 23:32	1
Sodium	ND		2.0	0.20	mg/L		01/16/25 13:33	01/16/25 23:32	1

Lab Sample ID: LCS 590-51834/1-A
Matrix: Water
Analysis Batch: 51849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.5		mg/L		101	85 - 115
Magnesium	50.0	47.7		mg/L		95	85 - 115
Potassium	50.0	52.4		mg/L		105	85 - 115
Sodium	50.0	49.8		mg/L		100	85 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-483787/24
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 01:48	1

Lab Sample ID: MB 580-483787/85
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 17:36	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 580-483787/25
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide			10.0	9.11		mg/L		91	90 - 110		

Lab Sample ID: LCSD 580-483787/26
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide			10.0	9.12		mg/L		91	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-51977/1
Matrix: Water
Analysis Batch: 51977

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/24/25 13:26	1

Lab Sample ID: LCS 590-51977/2
Matrix: Water
Analysis Batch: 51977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity as CaCO3			501	495		mg/L		99	90 - 110		

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: EA-MW-8B-N-01142025
Lab Sample ID: 590-28985-1
Date Collected: 01/14/25 11:50
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 16:14	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 16:14	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51899	01/20/25 15:58	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:08	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 03:59	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GDF-GR-5-N-01142025
Lab Sample ID: 590-28985-2
Date Collected: 01/14/25 14:05
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 16:24	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 16:24	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:13	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 04:23	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-11A-N-01142025
Lab Sample ID: 590-28985-3
Date Collected: 01/14/25 10:35
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 16:34	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 16:34	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:18	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 04:47	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-12A-N-01142025
Lab Sample ID: 590-28985-4
Date Collected: 01/14/25 11:55
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 16:44	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 16:44	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:23	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 05:35	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-12A-FD-01142025
Lab Sample ID: 590-28985-5
Date Collected: 01/14/25 12:25
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 16:54	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 16:54	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:28	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 05:59	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GCF-MW-12B-N-01142025
Lab Sample ID: 590-28985-6
Date Collected: 01/14/25 13:15
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 17:04	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 17:04	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:33	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 06:22	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GDF-MW-10A-N-01142025
Lab Sample ID: 590-28985-7
Date Collected: 01/14/25 14:30
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 17:14	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 17:14	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:38	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 06:46	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Client Sample ID: GDF-MW-10R-N-01142025
Lab Sample ID: 590-28985-8
Date Collected: 01/14/25 15:15
Matrix: Water
Date Received: 01/15/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		10	5 mL	5 mL	51802	01/15/25 17:24	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51803	01/15/25 17:24	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51834	01/16/25 13:33	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51849	01/17/25 01:43	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 07:10	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	51977	01/24/25 13:27	RMA	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-28985-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
200.7 Rev 4.4	Metals (ICP)	EPA	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
200.7	Preparation, Total Metals	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

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Page 1 of 2 cup

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
EA-MW-8B-N-01142025	1/14/25	11.50	H_2O	X	X	X	X	X	3 cup
GDF-GR-5-N-01142025	1/14/25	14.05		X	X	X	X	X	
GCF-MW-11A-N-01142025	1/14/25	10:35		X	X	X	X	X	
GCF-MW-12A-N-01142025	1/14/25	11 55		X	X	X	X	X	
GCF-MW-12A-FD-01142025	1/14/25	12.25		X	X	X	X	X	
GCF-MW-12B-N-01142025	1/14/25	13.15		X	X	X	X	X	
GDF-MW-10A-N-01142025	1/14/25	14 30		X	X	X	X	X	
GDF-MW-10B-N-01142025	1/14/25	15 15		X	X	X	X	X	

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- Cations to be analyzed Ca, Mg, K, Na
- Anions to be analyzed. Cl, NO_3, SO_4^{2-}
- Alkilinity to be mesaured by titration

2.8, 3.2 corr IR001

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Mackey Moms
Firm HA	Firm ESSpo
Date 1/15/25 Time 1550	Date 1/15/25 1550
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-28985 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2021

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/30/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10400.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-28985-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/28/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EA-MW-8B-N-01142025 (590-28985-1)	1/14/25	11:50 Pacific	G	Water			X	1	
GDF-GR-5-N-01142025 (590-28985-2)	1/14/25	14:05 Pacific	G	Water			X	1	
GCF-MW-11A-N-01142025 (590-28985-3)	1/14/25	10:35 Pacific	G	Water			X	1	
GCF-MW-12A-N-01142025 (590-28985-4)	1/14/25	11:55 Pacific	G	Water			X	1	
GCF-MW-12A-FD-01142025 (590-28985-5)	1/14/25	12:25 Pacific	G	Water			X	1	
GCF-MW-12B-N-01142025 (590-28985-6)	1/14/25	13:15 Pacific	G	Water			X	1	
GDF-MW-10A-N-01142025 (590-28985-7)	1/14/25	14:30 Pacific	G	Water			X	1	
GDF-MW-10R-N-01142025 (590-28985-8)	1/14/25	15:15 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/16/25 1521	ESS	[signature]	1-17-25 815	ESS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 -1.0/-1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28985-1

Login Number: 28985
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-28985-1

Login Number: 28985
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/17/25 06:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	ir15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 1/30/2025 5:16:45 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29005-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

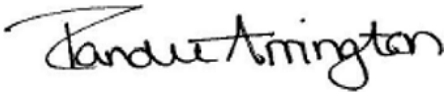
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29005-1 Eurofins Spokane

Job Narrative
590-29005-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 200.7: The method blank for preparation batch 590-51972 and analytical batch 590-51975 contained Potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-52006 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29005-1	GDF-GR-2-N-01152025	Water	01/15/25 09:45	01/16/25 13:30
590-29005-2	GDF-GR-2-FD-01152025	Water	01/15/25 09:55	01/16/25 13:30
590-29005-3	GDF-GR-3-N-01152025	Water	01/15/25 09:05	01/16/25 13:30
590-29005-4	GDF-GR-4-N-01152025	Water	01/15/25 10:45	01/16/25 13:30

Definitions/Glossary

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GDF-GR-2-N-01152025
Lab Sample ID: 590-29005-1
Date Collected: 01/15/25 09:45
Matrix: Water
Date Received: 01/16/25 13:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		8.0	4.2	mg/L			01/20/25 15:28	10
Nitrate as N	7.3		0.20	0.057	mg/L			01/16/25 13:52	1
Sulfate	56		0.50	0.13	mg/L			01/16/25 13:52	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:05	1
Magnesium	40		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:05	1
Potassium	2.7	B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:05	1
Sodium	24		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.18	J	1.0	0.12	mg/L			01/29/25 09:09	1
Alkalinity as CaCO3 (SM 2320B)	30	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: GDF-GR-2-FD-01152025
Lab Sample ID: 590-29005-2
Date Collected: 01/15/25 09:55
Matrix: Water
Date Received: 01/16/25 13:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		8.0	4.2	mg/L			01/20/25 15:38	10
Nitrate as N	7.3		0.20	0.057	mg/L			01/16/25 14:02	1
Sulfate	56		0.50	0.13	mg/L			01/16/25 14:02	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:34	1
Magnesium	42		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:34	1
Potassium	2.8	B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:34	1
Sodium	26		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.18	J	1.0	0.12	mg/L			01/29/25 09:33	1
Alkalinity as CaCO3 (SM 2320B)	30	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: GDF-GR-3-N-01152025
Lab Sample ID: 590-29005-3
Date Collected: 01/15/25 09:05
Matrix: Water
Date Received: 01/16/25 13:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29		0.80	0.42	mg/L			01/16/25 14:12	1
Nitrate as N	2.7		0.20	0.057	mg/L			01/16/25 14:12	1
Sulfate	5.5		0.50	0.13	mg/L			01/16/25 14:12	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	37		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:39	1
Magnesium	14		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:39	1

Client Sample ID: GDF-GR-3-N-01152025 Lab Sample ID: 590-29005-3

Date Collected: 01/15/25 09:05 **Matrix: Water**
Date Received: 01/16/25 13:30

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	4.1	B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:39	1
Sodium	8.2		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 10:21	1
Alkalinity as CaCO3 (SM 2320B)	150	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: GDF-GR-4-N-01152025 Lab Sample ID: 590-29005-4

Date Collected: 01/15/25 10:45 **Matrix: Water**
Date Received: 01/16/25 13:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		8.0	4.2	mg/L			01/20/25 15:48	10
Nitrate as N	4.7		0.20	0.057	mg/L			01/16/25 14:22	1
Sulfate	9.6		0.50	0.13	mg/L			01/16/25 14:22	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	80		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:44	1
Magnesium	22		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:44	1
Potassium	2.6	B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:44	1
Sodium	15		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	0.23	J	1.0	0.12	mg/L			01/29/25 10:44	1
Alkalinity as CaCO3 (SM 2320B)	70	B	20	5.0	mg/L			01/27/25 14:17	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51818/1003
Matrix: Water
Analysis Batch: 51818

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/16/25 10:37	1
Sulfate	ND		0.50	0.13	mg/L			01/16/25 10:37	1

Lab Sample ID: LCS 590-51818/1004
Matrix: Water
Analysis Batch: 51818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	13.4		mg/L		108	90 - 110
Sulfate	12.5	13.0		mg/L		104	90 - 110

Lab Sample ID: MB 590-51819/1003
Matrix: Water
Analysis Batch: 51819

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/16/25 10:37	1

Lab Sample ID: LCS 590-51819/1004
Matrix: Water
Analysis Batch: 51819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	5.34		mg/L		107	90 - 110

Lab Sample ID: MB 590-51899/1014
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/20/25 14:59	1
Sulfate	ND		0.50	0.13	mg/L			01/20/25 14:59	1

Lab Sample ID: LCS 590-51899/1015
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	12.5		mg/L		100	90 - 110
Sulfate	12.5	12.5		mg/L		100	90 - 110

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 590-51972/2-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 16:24	1
Magnesium	ND		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 16:24	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 590-51972/2-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.290	J	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 16:24	1
Sodium	ND		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 16:24	1

Lab Sample ID: LCS 590-51972/1-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	44.3		mg/L		89	85 - 115
Magnesium	50.0	44.5		mg/L		89	85 - 115
Potassium	50.0	44.8	B	mg/L		90	85 - 115
Sodium	50.0	44.8		mg/L		90	85 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-483787/24
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 01:48	1

Lab Sample ID: MB 580-483787/85
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 17:36	1

Lab Sample ID: LCS 580-483787/25
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.11		mg/L		91	90 - 110

Lab Sample ID: LCSD 580-483787/26
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.12		mg/L		91	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-52006/1
Matrix: Water
Analysis Batch: 52006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/27/25 14:16	1

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Geiger Field PFAS Support/0209800-001

Job ID: 590-29005-1

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 590-52006/2
Matrix: Water
Analysis Batch: 52006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity as CaCO3			501	500		mg/L		100	90 - 110		

Lab Sample ID: 590-29005-1 DU
Matrix: Water
Analysis Batch: 52006

Client Sample ID: GDF-GR-2-N-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity as CaCO3	30	B		30.0		mg/L				NC	10

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GDF-GR-2-N-01152025
Lab Sample ID: 590-29005-1
Date Collected: 01/15/25 09:45
Matrix: Water
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51818	01/16/25 13:52	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51819	01/16/25 13:52	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 15:28	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:05	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 09:09	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: GDF-GR-2-FD-01152025
Lab Sample ID: 590-29005-2
Date Collected: 01/15/25 09:55
Matrix: Water
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51818	01/16/25 14:02	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51819	01/16/25 14:02	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 15:38	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:34	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 09:33	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: GDF-GR-3-N-01152025
Lab Sample ID: 590-29005-3
Date Collected: 01/15/25 09:05
Matrix: Water
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51818	01/16/25 14:12	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51819	01/16/25 14:12	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:39	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 10:21	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: GDF-GR-4-N-01152025
Lab Sample ID: 590-29005-4
Date Collected: 01/15/25 10:45
Matrix: Water
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51818	01/16/25 14:22	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51819	01/16/25 14:22	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 15:48	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:44	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GDF-GR-4-N-01152025
Lab Sample ID: 590-29005-4

Date Collected: 01/15/25 10:45
Matrix: Water
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 10:44	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29005-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
200.7 Rev 4.4	Metals (ICP)	EPA	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
200.7	Preparation, Total Metals	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
GDF-GR-2-N-01152025	1/15/25	945	H_2O		X	X	X	X	3
GDF-GR-2-FD-01152025	1/15/25	955			X	X	X	X	
GDF-GR-3-N-01152025	1/15/25	905			X	X	X	X	
GDF-GR-4-N-01152025	1/15/25	1045			X	X	X	X	

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- Cations to be analyzed Ca, Mg, K, Na
- Anions to be analyzed Cl, NO_3, SO_4^{2-}
- Alkilinity to be mesaured by titration

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Madeley Moore
Firm Haley & Aldrich	Firm GSCSPO
Date 1/16/25 Time 1332	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29005 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/30/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10400.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29005-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/29/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GDF-GR-2-N-01152025 (590-29005-1)	1/15/25	09:45 Pacific	G	Water			X		
GDF-GR-2-FD-01152025 (590-29005-2)	1/15/25	09:55 Pacific	G	Water			X		
GDF-GR-3-N-01152025 (590-29005-3)	1/15/25	09:05 Pacific	G	Water			X		
GDF-GR-4-N-01152025 (590-29005-4)	1/15/25	10:45 Pacific	G	Water			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/16/25 1521	ETSPO		1-17-25 815	ETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 -1.0/-1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29005-1

Login Number: 29005
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29005-1

Login Number: 29005
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/17/25 06:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	ir15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

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JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29041-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

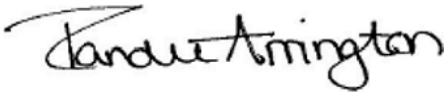
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job Narrative
590-29041-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/17/2025 12:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 200.7: The method blank for preparation batch 590-51972 and analytical batch 590-51975 contained Potassium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The method blank for analytical batch 590-52006 contained Alkalinity as CaCO3 above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29041-1	GCF-MW-8-N-01172025	Water	01/17/25 08:55	01/17/25 12:23
590-29041-2	GCF-MW-8-FD-01172025	Water	01/17/25 09:25	01/17/25 12:23
590-29041-3	EA-MW-7B-N-01172025	Water	01/17/25 09:10	01/17/25 12:23
590-29041-4	EA-MW-7A-N-01172025	Water	01/17/25 10:40	01/17/25 12:23
590-29041-5	GCF-MW-10-N-01172025	Water	01/17/25 10:45	01/17/25 12:23

Definitions/Glossary

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GCF-MW-8-N-01172025
Lab Sample ID: 590-29041-1
Date Collected: 01/17/25 08:55
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		8.0	4.2	mg/L			01/20/25 16:38	10
Nitrate as N	0.24		0.20	0.057	mg/L			01/17/25 14:05	1
Sulfate	20		0.50	0.13	mg/L			01/17/25 14:05	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:49	1
Magnesium	36		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:49	1
Potassium	1.1	J B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:49	1
Sodium	29		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 11:08	1
Alkalinity as CaCO3 (SM 2320B)	270	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: GCF-MW-8-FD-01172025
Lab Sample ID: 590-29041-2
Date Collected: 01/17/25 09:25
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		8.0	4.2	mg/L			01/20/25 16:48	10
Nitrate as N	0.24		0.20	0.057	mg/L			01/17/25 14:15	1
Sulfate	21		0.50	0.13	mg/L			01/17/25 14:15	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	130		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:54	1
Magnesium	36		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:54	1
Potassium	1.1	J B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:54	1
Sodium	29		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 11:32	1
Alkalinity as CaCO3 (SM 2320B)	270	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: EA-MW-7B-N-01172025
Lab Sample ID: 590-29041-3
Date Collected: 01/17/25 09:10
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		8.0	4.2	mg/L			01/20/25 16:58	10
Nitrate as N	9.5		0.20	0.057	mg/L			01/17/25 14:25	1
Sulfate	31		0.50	0.13	mg/L			01/17/25 14:25	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	96		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:59	1
Magnesium	20		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 17:59	1

Client Sample ID: EA-MW-7B-N-01172025
Lab Sample ID: 590-29041-3
Date Collected: 01/17/25 09:10
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	6.4	B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 17:59	1
Sodium	17		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 11:56	1
Alkalinity as CaCO3 (SM 2320B)	170	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: EA-MW-7A-N-01172025
Lab Sample ID: 590-29041-4
Date Collected: 01/17/25 10:40
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4		0.80	0.42	mg/L			01/17/25 14:35	1
Nitrate as N	1.1		0.20	0.057	mg/L			01/17/25 14:35	1
Sulfate	4.4		0.50	0.13	mg/L			01/17/25 14:35	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	17		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 18:04	1
Magnesium	5.6		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 18:04	1
Potassium	1.2	J B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 18:04	1
Sodium	7.3		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 12:44	1
Alkalinity as CaCO3 (SM 2320B)	85	B	20	5.0	mg/L			01/27/25 14:17	1

Client Sample ID: GCF-MW-10-N-01172025
Lab Sample ID: 590-29041-5
Date Collected: 01/17/25 10:45
Matrix: Water
Date Received: 01/17/25 12:23

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.0		0.80	0.42	mg/L			01/17/25 14:45	1
Nitrate as N	55		2.0	0.57	mg/L			01/17/25 17:11	10
Sulfate	32		0.50	0.13	mg/L			01/17/25 14:45	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	66		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 18:09	1
Magnesium	22		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 18:09	1
Potassium	1.2	J B	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 18:09	1
Sodium	13		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide (EPA 300.0)	ND		1.0	0.12	mg/L			01/29/25 13:07	1
Alkalinity as CaCO3 (SM 2320B)	140	B	20	5.0	mg/L			01/27/25 14:17	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 590-51862/1003
Matrix: Water
Analysis Batch: 51862

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/17/25 10:55	1
Sulfate	ND		0.50	0.13	mg/L			01/17/25 10:55	1

Lab Sample ID: LCS 590-51862/1004
Matrix: Water
Analysis Batch: 51862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	13.5		mg/L		108	90 - 110
Sulfate	12.5	13.3		mg/L		106	90 - 110

Lab Sample ID: MB 590-51863/1003
Matrix: Water
Analysis Batch: 51863

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		0.20	0.057	mg/L			01/17/25 10:55	1

Lab Sample ID: LCS 590-51863/1004
Matrix: Water
Analysis Batch: 51863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.00	5.41		mg/L		108	90 - 110

Lab Sample ID: MB 590-51899/1014
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.80	0.42	mg/L			01/20/25 14:59	1
Sulfate	ND		0.50	0.13	mg/L			01/20/25 14:59	1

Lab Sample ID: LCS 590-51899/1015
Matrix: Water
Analysis Batch: 51899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.5	12.5		mg/L		100	90 - 110
Sulfate	12.5	12.5		mg/L		100	90 - 110

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 590-51972/2-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.20	mg/L		01/23/25 12:00	01/23/25 16:24	1
Magnesium	ND		0.50	0.13	mg/L		01/23/25 12:00	01/23/25 16:24	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 590-51972/2-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 51972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.290	J	2.0	0.29	mg/L		01/23/25 12:00	01/23/25 16:24	1
Sodium	ND		2.0	0.20	mg/L		01/23/25 12:00	01/23/25 16:24	1

Lab Sample ID: LCS 590-51972/1-A
Matrix: Water
Analysis Batch: 51975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 51972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	44.3		mg/L		89	85 - 115
Magnesium	50.0	44.5		mg/L		89	85 - 115
Potassium	50.0	44.8	B	mg/L		90	85 - 115
Sodium	50.0	44.8		mg/L		90	85 - 115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 580-483787/24
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 01:48	1

Lab Sample ID: MB 580-483787/85
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.12	mg/L			01/29/25 17:36	1

Lab Sample ID: LCS 580-483787/25
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.11		mg/L		91	90 - 110

Lab Sample ID: LCSD 580-483787/26
Matrix: Water
Analysis Batch: 483787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.12		mg/L		91	90 - 110	0	15

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 590-52006/1
Matrix: Water
Analysis Batch: 52006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3	5.00	J	20	5.0	mg/L			01/27/25 14:16	1

QC Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method: SM 2320B - Alkalinity

Lab Sample ID: LCS 590-52006/2
Matrix: Water
Analysis Batch: 52006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3	501	500		mg/L		100	90 - 110

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: GCF-MW-8-N-01172025
Lab Sample ID: 590-29041-1
Date Collected: 01/17/25 08:55
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51862	01/17/25 14:05	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51863	01/17/25 14:05	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 16:38	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:49	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 11:08	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: GCF-MW-8-FD-01172025
Lab Sample ID: 590-29041-2
Date Collected: 01/17/25 09:25
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51862	01/17/25 14:15	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51863	01/17/25 14:15	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 16:48	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:54	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 11:32	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: EA-MW-7B-N-01172025
Lab Sample ID: 590-29041-3
Date Collected: 01/17/25 09:10
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51862	01/17/25 14:25	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51863	01/17/25 14:25	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51899	01/20/25 16:58	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 17:59	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 11:56	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: EA-MW-7A-N-01172025
Lab Sample ID: 590-29041-4
Date Collected: 01/17/25 10:40
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51862	01/17/25 14:35	NMI	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	51863	01/17/25 14:35	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 18:04	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: EA-MW-7A-N-01172025
Lab Sample ID: 590-29041-4
Date Collected: 01/17/25 10:40
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 12:44	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Client Sample ID: GCF-MW-10-N-01172025
Lab Sample ID: 590-29041-5
Date Collected: 01/17/25 10:45
Matrix: Water
Date Received: 01/17/25 12:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	51862	01/17/25 14:45	NMI	EET SPK
Total/NA	Analysis	300.0		10	5 mL	5 mL	51863	01/17/25 17:11	NMI	EET SPK
Total/NA	Prep	200.7			50 mL	50 mL	51972	01/23/25 12:00	AMB	EET SPK
Total/NA	Analysis	200.7 Rev 4.4		1			51975	01/23/25 18:09	AMB	EET SPK
Total/NA	Analysis	300.0		1	5 mL	5 mL	483787	01/29/25 13:07	FCG	EET SEA
Total/NA	Analysis	SM 2320B		1	100 mL	100 mL	52006	01/27/25 14:17	RMA	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29041-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Geiger Field PFAS Support/0209800-001

Job ID: 590-29041-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET SPK
200.7 Rev 4.4	Metals (ICP)	EPA	EET SPK
300.0	Anions, Ion Chromatography	EPA	EET SEA
SM 2320B	Alkalinity	SM	EET SPK
200.7	Preparation, Total Metals	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

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Fax (509) 960-7447

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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/17/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	Cations EPA 200.7	Anions EPA 300.0	Bromide EPA 300.0	Alkalinity SM 2320 B	Number of Containers
GCF-MW-8-N-01172025	1/17/25	8 55	H_2O		X	X	X	X	3
GCF-MW-8-FD-01172025	1/17/25	9 25	H_2O		X	X	X	X	3
EA-MW 7B-N-01172025	1/17/25	9 16	H_2O		X	X	X	X	3
EA-MW-7A-N-01172025	1/17/25	10 40	H_2O		X	X	X	X	3
GCF-MW 10 N-01172025	1/17/25	10:45	H_2O		X	X	X	X	3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed

– Cations to be analyzed Ca, Mg, K, Na
– Anions to be analyzed Cl, NO_3, SO_4^{2-}
– Alkilinity to be mesaured by titration

37 4.1 cor 1Poole

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Madelyn Morris
Firm Haley & Aldrich	Firm EAS
Date 1/17/25 Time 12 25	Date 1/17/25 1223
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29041 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/31/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29041-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/30/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300.0_28D/ (MOD) Bromide	Total Number of containers	Special Instructions/Note:
			Preservation Code:				Analysis Requested		
GCF-MW-8-N-01172025 (590-29041-1)	1/17/25	08:55 Pacific	G	Water			X	1	
GCF-MW-8-FD-01172025 (590-29041-2)	1/17/25	09:25 Pacific	G	Water			X	1	
EA-MW-7B-N-01172025 (590-29041-3)	1/17/25	09:10 Pacific	G	Water			X	1	
EA-MW-7A-N-01172025 (590-29041-4)	1/17/25	10:40 Pacific	G	Water			X	1	
GCF-MW-10-N-01172025 (590-29041-5)	1/17/25	10:45 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/17/25 1600	[illegible]	[signature]	1-18-25 950	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2 1.5 1.0/1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29041-1

Login Number: 29041
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29041-1

Login Number: 29041
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 1/30/2025 6:13:33 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29042-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

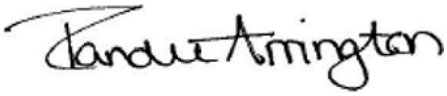
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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1/30/2025 6:13:33 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29042-1 Eurofins Spokane

Job Narrative
590-29042-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7°C and 5.8°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29042-2	LTA-001-N-S001-01152025	Solid	01/15/25 08:10	01/16/25 13:30
590-29042-3	LTA-001-N-S003-01152025	Solid	01/15/25 08:15	01/16/25 13:30
590-29042-9	LTA-002-N-S001-01152025	Solid	01/15/25 09:25	01/16/25 13:30
590-29042-10	LTA-002-N-S003-01152025	Solid	01/15/25 09:30	01/16/25 13:30
590-29042-14	LTA-003-N-S001-01152025	Solid	01/15/25 10:05	01/16/25 13:30
590-29042-15	LTA-003-N-S003-01152025	Solid	01/15/25 10:10	01/16/25 13:30
590-29042-20	LTA-003-FD-S001-01152025	Solid	01/15/25 10:30	01/16/25 13:30
590-29042-22	JTA-001-N-S001-01152025	Solid	01/15/25 15:05	01/16/25 13:30
590-29042-23	JTA-001-N-S003-01152025	Solid	01/15/25 15:10	01/16/25 13:30
590-29042-31	JTA-002-N-S001-01152025	Solid	01/15/25 16:00	01/16/25 13:30
590-29042-32	JTA-002-N-S003-01152025	Solid	01/15/25 16:05	01/16/25 13:30
590-29042-33	JTA-002-FD-S003-01152025	Solid	01/15/25 16:35	01/16/25 13:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: LTA-001-N-S001-01152025 — Lab Sample ID: 590-29042-2

Date Collected: 01/15/25 08:10 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3500		2000	97	mg/Kg			01/30/25 12:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-001-N-S003-01152025 — Lab Sample ID: 590-29042-3

Date Collected: 01/15/25 08:15 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3100		2000	97	mg/Kg			01/30/25 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-002-N-S001-01152025 — Lab Sample ID: 590-29042-9

Date Collected: 01/15/25 09:25 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7000		2000	97	mg/Kg			01/30/25 13:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-002-N-S003-01152025 — Lab Sample ID: 590-29042-10

Date Collected: 01/15/25 09:30 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			01/30/25 14:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.7		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-003-N-S001-01152025 — Lab Sample ID: 590-29042-14

Date Collected: 01/15/25 10:05 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	9200		2000	97	mg/Kg			01/30/25 14:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-003-N-S003-01152025 — Lab Sample ID: 590-29042-15

Date Collected: 01/15/25 10:10 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2100		2000	97	mg/Kg			01/30/25 15:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: LTA-003-FD-S001-01152025 — Lab Sample ID: 590-29042-20

Date Collected: 01/15/25 10:30 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	15000		2000	97	mg/Kg			01/30/25 15:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-001-N-S001-01152025 — Lab Sample ID: 590-29042-22

Date Collected: 01/15/25 15:05 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2000		2000	97	mg/Kg			01/30/25 15:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-001-N-S003-01152025 — Lab Sample ID: 590-29042-23

Date Collected: 01/15/25 15:10 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2200		2000	97	mg/Kg			01/30/25 15:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-002-N-S001-01152025 — Lab Sample ID: 590-29042-31

Date Collected: 01/15/25 16:00 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8600		2000	97	mg/Kg			01/30/25 16:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/21/25 13:40	1

Client: Haley & Aldrich, Inc. Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S003-01152025 Lab Sample ID: 590-29042-32

Date Collected: 01/15/25 16:05 **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1100	J	2000	97	mg/Kg			01/30/25 16:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-002-FD-S003-01152025 Lab Sample ID: 590-29042-33

Date Collected: 01/15/25 16:35 **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1000	J	2000	97	mg/Kg			01/30/25 16:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/21/25 13:40	1

Method: 9045D - pH

Lab Sample ID: LCS 590-51923/1
Matrix: Solid
Analysis Batch: 51923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29042-2 DU
Matrix: Solid
Analysis Batch: 51923

Client Sample ID: LTA-001-N-S001-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.3			7.2		SU				1	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-483886/3
Matrix: Solid
Analysis Batch: 483886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			01/30/25 11:56	1

Lab Sample ID: LCS 580-483886/4
Matrix: Solid
Analysis Batch: 483886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	331000		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 580-483886/5
Matrix: Solid
Analysis Batch: 483886

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	329000		mg/Kg		103	80 - 120	0	20

Lab Sample ID: 590-29042-2 MS
Matrix: Solid
Analysis Batch: 483886

Client Sample ID: LTA-001-N-S001-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	3500		83800	88600		mg/Kg		102	75 - 125		

Lab Sample ID: 590-29042-2 MSD
Matrix: Solid
Analysis Batch: 483886

Client Sample ID: LTA-001-N-S001-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	3500		104000	107000		mg/Kg		100	75 - 125	19	20

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 590-29042-2 DU
Client Sample ID: LTA-001-N-S001-01152025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 483886

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	3500			3290		mg/Kg				5	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LTA-001-N-S001-01152025
Lab Sample ID: 590-29042-2
Date Collected: 01/15/25 08:10
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.2000 mg	205.2000 mg	483886	01/30/25 12:41	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: LTA-001-N-S003-01152025
Lab Sample ID: 590-29042-3
Date Collected: 01/15/25 08:15
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	9.99 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	216.3000 mg	216.3000 mg	483886	01/30/25 13:40	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: LTA-002-N-S001-01152025
Lab Sample ID: 590-29042-9
Date Collected: 01/15/25 09:25
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	222.0000 mg	222.0000 mg	483886	01/30/25 13:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: LTA-002-N-S003-01152025
Lab Sample ID: 590-29042-10
Date Collected: 01/15/25 09:30
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.53 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	225.4000 mg	225.4000 mg	483886	01/30/25 14:10	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: LTA-003-N-S001-01152025
Lab Sample ID: 590-29042-14
Date Collected: 01/15/25 10:05
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.39 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.6000 mg	206.6000 mg	483886	01/30/25 14:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LTA-003-N-S003-01152025
Lab Sample ID: 590-29042-15
Date Collected: 01/15/25 10:10
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.72 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	220.4000 mg	220.4000 mg	483886	01/30/25 15:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: LTA-003-FD-S001-01152025
Lab Sample ID: 590-29042-20
Date Collected: 01/15/25 10:30
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.17 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	192.6000 mg	192.6000 mg	483886	01/30/25 15:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-001-N-S001-01152025
Lab Sample ID: 590-29042-22
Date Collected: 01/15/25 15:05
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.23 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	191.3000 mg	191.3000 mg	483886	01/30/25 15:39	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-001-N-S003-01152025
Lab Sample ID: 590-29042-23
Date Collected: 01/15/25 15:10
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.35 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	233.8000 mg	233.8000 mg	483886	01/30/25 15:54	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-002-N-S001-01152025
Lab Sample ID: 590-29042-31
Date Collected: 01/15/25 16:00
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.06 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.9000 mg	199.9000 mg	483886	01/30/25 16:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S003-01152025
Lab Sample ID: 590-29042-32

Date Collected: 01/15/25 16:05
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.55 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.8000 mg	203.8000 mg	483886	01/30/25 16:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-002-FD-S003-01152025
Lab Sample ID: 590-29042-33

Date Collected: 01/15/25 16:35
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.38 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	233.7000 mg	233.7000 mg	483886	01/30/25 16:39	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-001-N-S000-01152025	1/15/2025	8:05	Soil				X	3
LTA-001-N-S001-01152025	1/15/2025	8:10	Soil	X	X	X		3
LTA-001-N-S003-01152025	1/15/2025	8:15	Soil	X	X	X		3
LTA-001-N-S006-01152025	1/15/2025	8:20	Soil				X	3
LTA-001-N-S010-01152025	1/15/2025	8:25	Soil				X	3
LTA-001-N-S012-01152025	1/15/2025	8:30	Soil				X	3
LTA-001-FD-S012-01152025	1/15/2025	9:00	Soil				X	3
LTA-002-N-S000-01152025	1/15/2025	9:20	Soil				X	3
LTA-002-N-S001-01152025	1/15/2025	9:25	Soil	X	X	X		3
LTA-002-N-S003-01152025	1/15/2025	9:30	Soil	X	X	X		3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

33.3 Tear IRead
54.5 Tear IRead

Sampled and Relinquished by

Sign
Print Luke Feder
Firm Haley & Aldrich
Date 1/16/25 Time 13:30

Received by

Sign
Print Macky Morris
Firm LETSGO
Date 1/16/25 1330

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID

VOA Vial
Amber Glass
Plastic Bottle
Preservative
Volume

SOLID

VOA Vial
Amber Glass
Clear Glass
Preservative
Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

590-29042 Chain of Custody

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

1/30/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO. 0209800-002
PROJECT NAME Geiger Field PFAS Support
H&A CONTACT Breeyn Greer

LABORATORY Eurofins Environmental Testing
ADDRESS 11922 E 1st Ave, Spokane Valley, WA 99206
CONTACT Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-002-N-S006-01152025	1/15/2025	9:35	Soil				X	3
LTA-002-N-S010-01152025	1/15/2025	9:40	Soil				X	3
LTA-003-N-S000-01152025	1/15/2025	10:00	Soil				X	3
LTA-003-N-S001-01152025	1/15/2025	10:05	Soil	X	X	X		3
LTA-003-N-S003-01152025	1/15/2025	10:10	Soil	X	X	X		3
LTA-003-N-S006-01152025	1/15/2025	10:15	Soil				X	3
LTA-003-N-S010-01152025	1/15/2025	10:20	Soil				X	3
LTA-003-N-S015-01152025	1/15/2025	10:25	Soil				X	3
LTA-003-N-S017-01152025	1/15/2025	10:30	Soil				X	3
LTA-003-FD-S001-01152025	1/15/2025	10:30	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3,3,3-Tcon IRack
5.4, 5.8 con IRack

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Aden	Print Mackay Mem
Firm H&A	Firm EUS
Date 1/16/25 Time 13:30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-001-N-S000-01152025	1/15/2025	15:00	Soil				X	3
JTA-001-N-S001-01152025	1/15/2025	15:05	Soil	X	X	X		3
JTA-001-N-S003-01152025	1/15/2025	15:10	Soil	X	X	X		3
JTA-001-N-S006-01152025	1/15/2025	15:15	Soil				X	3
JTA-001-N-S010-01152025	1/15/2025	15:20	Soil				X	3
JTA-001-N-S015-01152025	1/15/2025	15:25	Soil				X	3
JTA-001-N-S020-01152025	1/15/2025	15:30	Soil				X	3
JTA-001-N-S023-01152025	1/15/2025	15:35	Soil				X	3
JTA-001-FD-S006-01152025	1/15/2025	15:45	Soil				X	3
JTA-002-N-S000-01152025	1/15/2025	15:55	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

3.7 + 5 8 con WP004

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Macky Mont
Firm H&A	Firm ESLSPO
Date 1/16/25 Time 3 30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO. 0209800-002
PROJECT NAME Geiger Field PFAS Support
H&A CONTACT Breeyn Greer
LABORATORY Eurofins Environmental Testing
ADDRESS 11922 E 1st Ave, Spokane Valley WA 99206
CONTACT Randee Arrington
DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S001-01152025	1/15/2025	16:00	Soil	X	X	X		3
JTA-002-N-S003-01152025	1/15/2025	16:05	Soil	X	X	X		3
JTA-002-FD-S003-01152025	1/15/2025	16:35	Soil	X	X	X		3
JTA-002-N-S006-01152025	1/15/2025	16:10	Soil				X	3
JTA-002-N-S010-01152025	1/15/2025	16:15	Soil				X	3
JTA-002-N-S015-01152025	1/15/2025	16:20	Soil				X	3
JTA-002-N-S020-01152025	1/15/2025	16:25	Soil				X	3
JTA-002-N-S025-01152025	1/15/2025	16:28	Soil				X	3
JTA-002-N-S030-01152025	1/15/2025	16:30	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC- Total Organic Carbon
3.7 & 5.8 can IPOOLO

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Mackie Morris
Firm H&A	Firm EUROFINS
Date 1/16/25 Time 13:32	Date 1/16/25 1340
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/30/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29042-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/29/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
Preservation Code:									
LTA-001-N-S001-01152025 (590-29042-2)	1/15/25	08:10 Pacific	G	Solid			X	1	
LTA-001-N-S003-01152025 (590-29042-3)	1/15/25	08:15 Pacific	G	Solid			X	1	
LTA-002-N-S001-01152025 (590-29042-9)	1/15/25	09:25 Pacific	G	Solid			X	1	
LTA-002-N-S003-01152025 (590-29042-10)	1/15/25	09:30 Pacific	G	Solid			X	1	
LTA-003-N-S001-01152025 (590-29042-14)	1/15/25	10:05 Pacific	G	Solid			X	1	
LTA-003-N-S003-01152025 (590-29042-15)	1/15/25	10:10 Pacific	G	Solid			X	1	
LTA-003-FD-S001-01152025 (590-29042-20)	1/15/25	10:30 Pacific	G	Solid			X	1	
JTA-001-N-S001-01152025 (590-29042-22)	1/15/25	15:05 Pacific	G	Solid			X	1	
JTA-001-N-S003-01152025 (590-29042-23)	1/15/25	15:10 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/17/25 1600	ESC SPK	[signature]	1-18-25 950	EUN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1215 1.0/1.0

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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1/30/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29042-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/29/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-002-N-S001-01152025 (590-29042-31)	1/15/25	16:00 Pacific	G	Solid			X	1	
JTA-002-N-S003-01152025 (590-29042-32)	1/15/25	16:05 Pacific	G	Solid			X	1	
JTA-002-FD-S003-01152025 (590-29042-33)	1/15/25	16:35 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/17/25 1600	~~ESS~~ ESFO		1-18-25 950	ESFN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1215 1.0/1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-1

Login Number: 29042

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-1

Login Number: 29042
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/7/2025 11:18:37 AM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29042-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

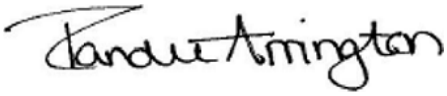
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/7/2025 11:18:37 AM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29042-3 Eurofins Spokane

Job Narrative
590-29042-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7°C and 5.8°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: LTA-001-N-S000-01152025 (590-29042-1), LTA-002-N-S000-01152025 (590-29042-8), LTA-002-N-S006-01152025 (590-29042-11), LTA-003-N-S000-01152025 (590-29042-13), JTA-001-N-S000-01152025 (590-29042-21), JTA-002-N-S000-01152025 (590-29042-30) and JTA-002-N-S006-01152025 (590-29042-34).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client job activation: LTA-001-N-S000-01152025 (590-29042-1), LTA-002-N-S000-01152025 (590-29042-8), LTA-002-N-S006-01152025 (590-29042-11), LTA-003-N-S000-01152025 (590-29042-13), JTA-001-N-S000-01152025 (590-29042-21), JTA-002-N-S000-01152025 (590-29042-30) and JTA-002-N-S006-01152025 (590-29042-34).

Method 9060A: The following samples were received outside of holding time: LTA-001-N-S000-01152025 (590-29042-1), LTA-002-N-S000-01152025 (590-29042-8) and LTA-002-N-S006-01152025 (590-29042-11).

Method 9060A: The matrix spike duplicate (MSD) recoveries for analytical batch 580-486764 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 9060A: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-486764 was outside control limits. Sample matrix interference is suspected.

Method 9060A: The following samples were received outside of holding time: LTA-003-N-S000-01152025 (590-29042-13), JTA-001-N-S000-01152025 (590-29042-21), JTA-002-N-S000-01152025 (590-29042-30) and JTA-002-N-S006-01152025 (590-29042-34).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29042-1	LTA-001-N-S000-01152025	Solid	01/15/25 08:05	01/16/25 13:30
590-29042-8	LTA-002-N-S000-01152025	Solid	01/15/25 09:20	01/16/25 13:30
590-29042-11	LTA-002-N-S006-01152025	Solid	01/15/25 09:35	01/16/25 13:30
590-29042-13	LTA-003-N-S000-01152025	Solid	01/15/25 10:00	01/16/25 13:30
590-29042-21	JTA-001-N-S000-01152025	Solid	01/15/25 15:00	01/16/25 13:30
590-29042-30	JTA-002-N-S000-01152025	Solid	01/15/25 15:55	01/16/25 13:30
590-29042-34	JTA-002-N-S006-01152025	Solid	01/15/25 16:10	01/16/25 13:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: LTA-001-N-S000-01152025 — Lab Sample ID: 590-29042-1

Date Collected: 01/15/25 08:05 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8300	H	2000	97	mg/Kg			03/06/25 12:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: LTA-002-N-S000-01152025 — Lab Sample ID: 590-29042-8

Date Collected: 01/15/25 09:20 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7200	H	2000	97	mg/Kg			03/06/25 12:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: LTA-002-N-S006-01152025 — Lab Sample ID: 590-29042-11

Date Collected: 01/15/25 09:35 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	610	J H	2000	97	mg/Kg			03/06/25 12:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: LTA-003-N-S000-01152025 — Lab Sample ID: 590-29042-13

Date Collected: 01/15/25 10:00 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	11000	H	2000	97	mg/Kg			03/06/25 17:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-001-N-S000-01152025 — Lab Sample ID: 590-29042-21

Date Collected: 01/15/25 15:00 — **Matrix: Solid**
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	18000	H	2000	97	mg/Kg			03/06/25 18:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	H	0.1	0.1	SU			02/27/25 11:52	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S000-01152025
Lab Sample ID: 590-29042-30
Date Collected: 01/15/25 15:55
Matrix: Solid
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8700	H	2000	97	mg/Kg			03/06/25 18:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-002-N-S006-01152025
Lab Sample ID: 590-29042-34
Date Collected: 01/15/25 16:10
Matrix: Solid
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1900	J H	2000	97	mg/Kg			03/06/25 18:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	H	0.1	0.1	SU			02/27/25 11:52	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method: 9045D - pH

Lab Sample ID: LCS 590-52610/1
Matrix: Solid
Analysis Batch: 52610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98.6 - 101.4

Lab Sample ID: 590-29042-1 DU
Matrix: Solid
Analysis Batch: 52610

Client Sample ID: LTA-001-N-S000-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.5	H	7.5		SU		0.8	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486689/3
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 00:37	1

Lab Sample ID: LCS 580-486689/4
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	329000		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 580-486689/5
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	300000		mg/Kg		94	80 - 120	9	20

Lab Sample ID: MB 580-486764/3
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 16:21	1

Lab Sample ID: LCS 580-486764/4
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	303000		mg/Kg		95	80 - 120

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 580-486764/5
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486764

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	297000		mg/Kg		93	80 - 120	2	20

Lab Sample ID: 590-29042-13 MS
Client Sample ID: LTA-003-N-S000-01152025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	11000	H	77800	84600		mg/Kg		95	75 - 125		

Lab Sample ID: 590-29042-13 MSD
Client Sample ID: LTA-003-N-S000-01152025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	11000	H	76500	91100		mg/Kg		105	75 - 125	7	20

Lab Sample ID: 590-29042-13 DU
Client Sample ID: LTA-003-N-S000-01152025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486764

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average Dup	11000	H	11100		mg/Kg		5	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: LTA-001-N-S000-01152025
Lab Sample ID: 590-29042-1
Date Collected: 01/15/25 08:05
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.35 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.7000 mg	198.7000 mg	486689	03/06/25 12:03	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: LTA-002-N-S000-01152025
Lab Sample ID: 590-29042-8
Date Collected: 01/15/25 09:20
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.7000 mg	197.7000 mg	486689	03/06/25 12:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: LTA-002-N-S006-01152025
Lab Sample ID: 590-29042-11
Date Collected: 01/15/25 09:35
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.09 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	212.8000 mg	212.8000 mg	486689	03/06/25 12:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: LTA-003-N-S000-01152025
Lab Sample ID: 590-29042-13
Date Collected: 01/15/25 10:00
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.4000 mg	195.4000 mg	486764	03/06/25 17:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-001-N-S000-01152025
Lab Sample ID: 590-29042-21
Date Collected: 01/15/25 15:00
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.39 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.9000 mg	194.9000 mg	486764	03/06/25 18:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S000-01152025
Lab Sample ID: 590-29042-30
Date Collected: 01/15/25 15:55
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.28 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.2000 mg	204.2000 mg	486764	03/06/25 18:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-002-N-S006-01152025
Lab Sample ID: 590-29042-34
Date Collected: 01/15/25 16:10
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.24 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	215.7000 mg	215.7000 mg	486764	03/06/25 18:39	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-001-N-S000-01152025	1/15/2025	8:05	Soil				X	3
LTA-001-N-S001-01152025	1/15/2025	8:10	Soil	X	X	X		3
LTA-001-N-S003-01152025	1/15/2025	8:15	Soil	X	X	X		3
LTA-001-N-S006-01152025	1/15/2025	8:20	Soil				X	3
LTA-001-N-S010-01152025	1/15/2025	8:25	Soil				X	3
LTA-001-N-S012-01152025	1/15/2025	8:30	Soil				X	3
LTA-001-FD-S012-01152025	1/15/2025	9:00	Soil				X	3
LTA-002-N-S000-01152025	1/15/2025	9:20	Soil				X	3
LTA-002-N-S001-01152025	1/15/2025	9:25	Soil	X	X	X		3
LTA-002-N-S003-01152025	1/15/2025	9:30	Soil	X	X	X		3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

33.3 Tacor 1Reco4
54.5 Blow 1Reco6

Sampled and Relinquished by

Sign
Print Luke Feder
Firm Haley & Aldrich
Date 1/16/25 Time 13:30

Received by

Sign
Print Macky Morris
Firm LEI Eurofins
Date 1/16/25 1330

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID

VOA Vial
Amber Glass
Plastic Bottle
Preservative
Volume

SOLID

VOA Vial
Amber Glass
Clear Glass
Preservative
Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

590-29042 Chain of Custody

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO. 0209800-002 | LABORATORY Eurofins Environmental Testing | DELIVERY DATE 1/16/25
PROJECT NAME Geiger Field PFAS Support | ADDRESS 11922 E 1st Ave, Spokane Valley, WA 99206 | TURNAROUND TIME Standard
H&A CONTACT Breeyn Greer | CONTACT Randee Arrington | PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-002-N-S006-01152025	1/15/2025	9:35	Soil				X	3
LTA-002-N-S010-01152025	1/15/2025	9:40	Soil				X	3
LTA-003-N-S000-01152025	1/15/2025	10:00	Soil				X	3
LTA-003-N-S001-01152025	1/15/2025	10:05	Soil	X	X	X		3
LTA-003-N-S003-01152025	1/15/2025	10:10	Soil	X	X	X		3
LTA-003-N-S006-01152025	1/15/2025	10:15	Soil				X	3
LTA-003-N-S010-01152025	1/15/2025	10:20	Soil				X	3
LTA-003-N-S015-01152025	1/15/2025	10:25	Soil				X	3
LTA-003-N-S017-01152025	1/15/2025	10:30	Soil				X	3
LTA-003-FD-S001-01152025	1/15/2025	10:30	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC- Total Organic Carbon
3,3,3-Tcon IPack
5.4, 5.8 con IPack

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Aden	Print Mackay Mem
Firm H&A	Firm EES&R
Date 1/16/25 Time 13:30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY
A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:
_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
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_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives
☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-001-N-S000-01152025	1/15/2025	15:00	Soil				X	3
JTA-001-N-S001-01152025	1/15/2025	15:05	Soil	X	X	X		3
JTA-001-N-S003-01152025	1/15/2025	15:10	Soil	X	X	X		3
JTA-001-N-S006-01152025	1/15/2025	15:15	Soil				X	3
JTA-001-N-S010-01152025	1/15/2025	15:20	Soil				X	3
JTA-001-N-S015-01152025	1/15/2025	15:25	Soil				X	3
JTA-001-N-S020-01152025	1/15/2025	15:30	Soil				X	3
JTA-001-N-S023-01152025	1/15/2025	15:35	Soil				X	3
JTA-001-FD-S006-01152025	1/15/2025	15:45	Soil				X	3
JTA-002-N-S000-01152025	1/15/2025	15:55	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

3.7 + 5 8 con WP004

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Macky Mora
Firm H&A	Firm ESLSPO
Date 1/16/25 Time 3 30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/16/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S001-01152025	1/15/2025	16:00	Soil	X	X	X		3
JTA-002-N-S003-01152025	1/15/2025	16:05	Soil	X	X	X		3
JTA-002-FD-S003-01152025	1/15/2025	16:35	Soil	X	X	X		3
JTA-002-N-S006-01152025	1/15/2025	16:10	Soil				X	3
JTA-002-N-S010-01152025	1/15/2025	16:15	Soil				X	3
JTA-002-N-S015-01152025	1/15/2025	16:20	Soil				X	3
JTA-002-N-S020-01152025	1/15/2025	16:25	Soil				X	3
JTA-002-N-S025-01152025	1/15/2025	16:28	Soil				X	3
JTA-002-N-S030-01152025	1/15/2025	16:30	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3.7 & 5.8 can IPOOLO

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Mackie Morris
Firm H&A	Firm EUROFINS
Date 1/16/25 Time 13:32	Date 1/16/25 1340
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	
VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID	
VOA Vial	
Amber Glass	
Clear Glass	
Preservative	
Volume	

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29042-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTA-001-N-S000-01152025 (590-29042-1)	1/15/25	08:05 Pacific	G	Solid			X	1	
LTA-002-N-S000-01152025 (590-29042-8)	1/15/25	09:20 Pacific	G	Solid			X	1	
LTA-002-N-S006-01152025 (590-29042-11)	1/15/25	09:35 Pacific	G	Solid			X	1	
LTA-003-N-S000-01152025 (590-29042-13)	1/15/25	10:00 Pacific	G	Solid			X	1	
JTA-001-N-S000-01152025 (590-29042-21)	1/15/25	15:00 Pacific	G	Solid			X	1	
JTA-002-N-S000-01152025 (590-29042-30)	1/15/25	15:55 Pacific	G	Solid			X	1	
JTA-002-N-S006-01152025 (590-29042-34)	1/15/25	16:10 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	2/24/25 1600	BFS		2-25-25 1000	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

3/7/2025

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-3

Login Number: 29042

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-3

Login Number: 29042
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-3

Login Number: 29042
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/22/2025 8:02:50 AM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29042-4

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

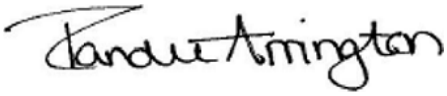
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/22/2025 8:02:50 AM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29042-4 Eurofins Spokane

Job Narrative
590-29042-4

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7°C and 5.8°C.

Receipt Exceptions
The following sample was activated by the client on 03/10/25: JTA-002-N-S010-01152025 (590-29042-35).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: JTA-002-N-S010-01152025 (590-29042-35).

Method 9060A_DW: The following sample was analyzed outside of analytical holding time due to job being activated out of hold per client's request: JTA-002-N-S010-01152025 (590-29042-35).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29042-35	JTA-002-N-S010-01152025	Solid	01/15/25 16:15	01/16/25 13:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S010-01152025
Lab Sample ID: 590-29042-35
Date Collected: 01/15/25 16:15
Matrix: Solid
Date Received: 01/16/25 13:30
Percent Solids: 86.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	4300	H	580	330	mg/Kg	☼	03/17/25 16:59	03/18/25 16:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	H	0.1	0.1	SU			03/19/25 13:02	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52969/1
Matrix: Solid
Analysis Batch: 52969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29042-35 DU
Matrix: Solid
Analysis Batch: 52969

Client Sample ID: JTA-002-N-S010-01152025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.7	H		8.7		SU				0	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-546046/1-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 546046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	290	mg/Kg		03/17/25 16:59	03/18/25 13:13	1

Lab Sample ID: LCS 570-546046/3-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 546046

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Carbon, Total Organic			24700	23700		mg/Kg		96	78 - 110		

Lab Sample ID: LCSD 570-546046/5-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 546046

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic			24800	24000		mg/Kg		97	78 - 110	1	16

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S010-01152025
Lab Sample ID: 590-29042-35

Date Collected: 01/15/25 16:15
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.01 g	10 mL	52969	03/19/25 13:02	RMA	EET SPK
Total/NA	Analysis	Moisture		1			52867	03/14/25 09:44	M1M	EET SPK

Client Sample ID: JTA-002-N-S010-01152025
Lab Sample ID: 590-29042-35

Date Collected: 01/15/25 16:15
Matrix: Solid
Date Received: 01/16/25 13:30
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	201.6000 mg	201.6000 mg	546817	03/18/25 16:30	U8XP	EET CAL 4

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA001112025-8	02-28-26
Washington	State	C916	10-11-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-4
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET CAL 4
Moisture	Percent Moisture	EPA	EET SPK
TOC	Preparation, TOC (Solid)	SW846	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-001-N-S000-01152025	1/15/2025	8:05	Soil				X	3
LTA-001-N-S001-01152025	1/15/2025	8:10	Soil	X	X	X		3
LTA-001-N-S003-01152025	1/15/2025	8:15	Soil	X	X	X		3
LTA-001-N-S006-01152025	1/15/2025	8:20	Soil				X	3
LTA-001-N-S010-01152025	1/15/2025	8:25	Soil				X	3
LTA-001-N-S012-01152025	1/15/2025	8:30	Soil				X	3
LTA-001-FD-S012-01152025	1/15/2025	9:00	Soil				X	3
LTA-002-N-S000-01152025	1/15/2025	9:20	Soil				X	3
LTA-002-N-S001-01152025	1/15/2025	9:25	Soil	X	X	X		3
LTA-002-N-S003-01152025	1/15/2025	9:30	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

33.3 Floor 1 Reddy
54.5 Floor 1 Reddy

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Fiedler	Print Macky Morris
Firm Haley & Aldrich	Firm Eurofins
Date 1/16/25 Time 13:30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

590-29042 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

3/22/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/16/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-002-N-S006-01152025	1/15/2025	9:35	Soil				X	3
LTA-002-N-S010-01152025	1/15/2025	9:40	Soil				X	3
LTA-003-N-S000-01152025	1/15/2025	10:00	Soil				X	3
LTA-003-N-S001-01152025	1/15/2025	10:05	Soil	X	X	X		3
LTA-003-N-S003-01152025	1/15/2025	10:10	Soil	X	X	X		3
LTA-003-N-S006-01152025	1/15/2025	10:15	Soil				X	3
LTA-003-N-S010-01152025	1/15/2025	10:20	Soil				X	3
LTA-003-N-S015-01152025	1/15/2025	10:25	Soil				X	3
LTA-003-N-S017-01152025	1/15/2025	10:30	Soil				X	3
LTA-003-FD-S001-01152025	1/15/2025	10:30	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3,3,3-Tcon IRack

5.4, 5.8 con IRack

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Aden	Print Mackay Mem
Firm H&A	Firm EUS
Date 1/16/25 Time 13:30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	
VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID	
VOA Vial	
Amber Glass	
Clear Glass	
Preservative	
Volume	

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

3/22/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-001-N-S000-01152025	1/15/2025	15:00	Soil				X	3
JTA-001-N-S001-01152025	1/15/2025	15:05	Soil	X	X	X		3
JTA-001-N-S003-01152025	1/15/2025	15:10	Soil	X	X	X		3
JTA-001-N-S006-01152025	1/15/2025	15:15	Soil				X	3
JTA-001-N-S010-01152025	1/15/2025	15:20	Soil				X	3
JTA-001-N-S015-01152025	1/15/2025	15:25	Soil				X	3
JTA-001-N-S020-01152025	1/15/2025	15:30	Soil				X	3
JTA-001-N-S023-01152025	1/15/2025	15:35	Soil				X	3
JTA-001-FD-S006-01152025	1/15/2025	15:45	Soil				X	3
JTA-002-N-S000-01152025	1/15/2025	15:55	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

3.7 + 5 8 con WP004

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Macky Mont
Firm H&A	Firm ESL SPO
Date 1/16/25 Time 3 30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S001-01152025	1/15/2025	16:00	Soil	X	X	X		3
JTA-002-N-S003-01152025	1/15/2025	16:05	Soil	X	X	X		3
JTA-002-FD-S003-01152025	1/15/2025	16:35	Soil	X	X	X		3
JTA-002-N-S006-01152025	1/15/2025	16:10	Soil				X	3
JTA-002-N-S010-01152025	1/15/2025	16:15	Soil				X	3
JTA-002-N-S015-01152025	1/15/2025	16:20	Soil				X	3
JTA-002-N-S020-01152025	1/15/2025	16:25	Soil				X	3
JTA-002-N-S025-01152025	1/15/2025	16:28	Soil				X	3
JTA-002-N-S030-01152025	1/15/2025	16:30	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

3.7 & 5.8 can IPOOLO

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Maddy Morris
Firm H&A	Firm EGS-RO
Date 1/16/25 Time 13:32	Date 1/16/25 1340
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	
VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID	
VOA Vial	
Amber Glass	
Clear Glass	
Preservative	
Volume	

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

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_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

3/22/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10673.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 590-29042-4
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 3/23/2025			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Loc: 590
29042

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A_DW/TOC_S_Prep Total Organic Carbon (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-002-N-S010-01152025 (590-29042-35)	1/15/25	16:15 Pacific	G	Solid			X	1	activated out of hold

590-29042 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/11/25 1506	ETCSD			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				3.13.25 950	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.4 / 5.4 IR92

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-4

Login Number: 29042
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-4

Login Number: 29042
List Number: 4
Creator: Arellano, Cyndy

List Source: Eurofins Calscience
List Creation: 03/13/25 04:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/22/2025 4:27:34 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29042-6

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

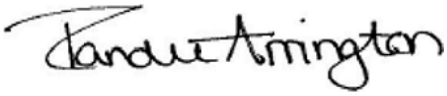
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
4/22/2025 4:27:34 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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QC Sample Results 8
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Job ID: 590-29042-6 Eurofins Spokane

Job Narrative
590-29042-6

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/16/2025 1:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.7°C and 5.8°C.

Receipt Exceptions
The following sample was activated by the client on 04/08/25: JTA-002-N-S020-01152025 (590-29042-37).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: JTA-002-N-S020-01152025 (590-29042-37).

Method 9060A: The method blank for analytical batch 580-490715 contained TOC above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL) ; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9060A: The following sample was activated outside of holding time: JTA-002-N-S020-01152025 (590-29042-37).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29042-37	JTA-002-N-S020-01152025	Solid	01/15/25 16:25	01/16/25 13:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S020-01152025
Lab Sample ID: 590-29042-37
Date Collected: 01/15/25 16:25
Matrix: Solid
Date Received: 01/16/25 13:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8500	H B	2000	97	mg/Kg			04/18/25 14:38	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.3	H	0.1	0.1	SU			04/18/25 12:44	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53519/1
Matrix: Solid
Analysis Batch: 53519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		101	98.6 - 101.4		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-490715/3
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	415	J	2000	97	mg/Kg			04/18/25 12:02	1

Lab Sample ID: LCS 580-490715/4
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	293000		mg/Kg		92	80 - 120		

Lab Sample ID: LCSD 580-490715/5
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	320000		mg/Kg		100	80 - 120	9	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-002-N-S020-01152025
Lab Sample ID: 590-29042-37

Date Collected: 01/15/25 16:25
Matrix: Solid
Date Received: 01/16/25 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.47 g	10 mL	53519	04/18/25 12:44	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.0000 mg	197.0000 mg	490715	04/18/25 14:38	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53356	04/09/25 17:50	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29042-6
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-001-N-S000-01152025	1/15/2025	8:05	Soil				X	3
LTA-001-N-S001-01152025	1/15/2025	8:10	Soil	X	X	X		3
LTA-001-N-S003-01152025	1/15/2025	8:15	Soil	X	X	X		3
LTA-001-N-S006-01152025	1/15/2025	8:20	Soil				X	3
LTA-001-N-S010-01152025	1/15/2025	8:25	Soil				X	3
LTA-001-N-S012-01152025	1/15/2025	8:30	Soil				X	3
LTA-001-FD-S012-01152025	1/15/2025	9:00	Soil				X	3
LTA-002-N-S000-01152025	1/15/2025	9:20	Soil				X	3
LTA-002-N-S001-01152025	1/15/2025	9:25	Soil	X	X	X		3
LTA-002-N-S003-01152025	1/15/2025	9:30	Soil	X	X	X		3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

33.3 Tacor 1Reco4
54.5 Blow 1Reco6

Sampled and Relinquished by

Sign
Print Luke Feder
Firm Haley & Aldrich
Date 1/16/25 Time 13:30

Received by

Sign
Print Macky Morris
Firm LEI Eurofins
Date 1/16/25 1330

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID

VOA Vial
Amber Glass
Plastic Bottle
Preservative
Volume

SOLID

VOA Vial
Amber Glass
Clear Glass
Preservative
Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

590-29042 Chain of Custody

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

4/22/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO. 0209800-002
PROJECT NAME Geiger Field PFAS Support
H&A CONTACT Breeyn Greer

LABORATORY Eurofins Environmental Testing
ADDRESS 11922 E 1st Ave, Spokane Valley, WA 99206
CONTACT Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
LTA-002-N-S006-01152025	1/15/2025	9:35	Soil				X	3
LTA-002-N-S010-01152025	1/15/2025	9:40	Soil				X	3
LTA-003-N-S000-01152025	1/15/2025	10:00	Soil				X	3
LTA-003-N-S001-01152025	1/15/2025	10:05	Soil	X	X	X		3
LTA-003-N-S003-01152025	1/15/2025	10:10	Soil	X	X	X		3
LTA-003-N-S006-01152025	1/15/2025	10:15	Soil				X	3
LTA-003-N-S010-01152025	1/15/2025	10:20	Soil				X	3
LTA-003-N-S015-01152025	1/15/2025	10:25	Soil				X	3
LTA-003-N-S017-01152025	1/15/2025	10:30	Soil				X	3
LTA-003-FD-S001-01152025	1/15/2025	10:30	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3,3,3-Tcon Reqd
5.4, 5.8 con Reqd

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Aden	Print Mackay Mem
Firm H&A	Firm EES&PO
Date 1/16/25 Time 13 30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
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Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

4/22/2025

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/16/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-001-N-S000-01152025	1/15/2025	15:00	Soil				X	3
JTA-001-N-S001-01152025	1/15/2025	15:05	Soil	X	X	X		3
JTA-001-N-S003-01152025	1/15/2025	15:10	Soil	X	X	X		3
JTA-001-N-S006-01152025	1/15/2025	15:15	Soil				X	3
JTA-001-N-S010-01152025	1/15/2025	15:20	Soil				X	3
JTA-001-N-S015-01152025	1/15/2025	15:25	Soil				X	3
JTA-001-N-S020-01152025	1/15/2025	15:30	Soil				X	3
JTA-001-N-S023-01152025	1/15/2025	15:35	Soil				X	3
JTA-001-FD-S006-01152025	1/15/2025	15:45	Soil				X	3
JTA-002-N-S000-01152025	1/15/2025	15:55	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

3.7 + 5 8 con HP004

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Macky Mont
Firm H&A	Firm ESL SPO
Date 1/16/25 Time 3 30	Date 1/16/25 1330
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-002	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/16/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S001-01152025	1/15/2025	16:00	Soil	X	X	X		3
JTA-002-N-S003-01152025	1/15/2025	16:05	Soil	X	X	X		3
JTA-002-FD-S003-01152025	1/15/2025	16:35	Soil	X	X	X		3
JTA-002-N-S006-01152025	1/15/2025	16:10	Soil				X	3
JTA-002-N-S010-01152025	1/15/2025	16:15	Soil				X	3
JTA-002-N-S015-01152025	1/15/2025	16:20	Soil				X	3
JTA-002-N-S020-01152025	1/15/2025	16:25	Soil				X	3
JTA-002-N-S025-01152025	1/15/2025	16:28	Soil				X	3
JTA-002-N-S030-01152025	1/15/2025	16:30	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

3.7 & 5.8 can IPOOLO

Sampled and Relinquished by	Received by
Sign	Sign
Print Luke Peden	Print Maddy Morris
Firm H&A	Firm EUS-SAC
Date 1/16/25 Time 13:32	Date 1/16/25 1340
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

SHIPPING/RECEIVING
EUROFINS ENVIRONMENTAL SPOKANE
11922 E 1ST AVE

SPOKANE VALLEY, WA 99206
UNITED STATES US

CAD: 0941709/CAFE3855

BILL SENDER

Part # 159469-434 MTW EXP 04/25

TO SHIPPING/RECEIVING
EUROFINS TUSTIN
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:
INV:
PO: DEPT:

FedEx Express

J243024070401uv

TRK# 0201 4242 5693 4087

WED - 12 MAR 10:30A
PRIORITY OVERNIGHT

XW DTHA

92780
CA-US SNA

590-29042 Waybill

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10849.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): State - Washington		Job #: 590-29042-6
Address: 5755 8th Street East, ,	Due Date Requested: 4/18/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-002-N-S020-01152025 (590-29042-37)	1/15/25	16:25 Pacific	G	Solid			X	1	activated out of hold

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Caron Rann	4/10/25 14:10	ESS	Brook Moore	4/11/25 1000	EET IV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 COR - 1.6 uncor - 0.8

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-6

Login Number: 29042
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-6

Login Number: 29042
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-6

Login Number: 29042
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-6

Login Number: 29042
List Number: 5
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29042-6

Login Number: 29042
List Number: 6
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 04/11/25 04:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.6 un -0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 1/31/2025 7:58:31 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29043-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

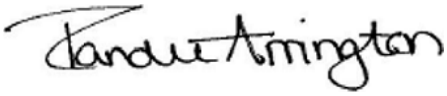
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
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Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29043-1 Eurofins Spokane

Job Narrative
590-29043-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/17/2025 11:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29043-4	JTA-003-N-S001-01162025	Solid	01/16/25 09:35	01/17/25 11:48
590-29043-5	JTA-003-N-S003-01162025	Solid	01/16/25 09:40	01/17/25 11:48
590-29043-12	JTA-004-N-S001-01162025	Solid	01/16/25 10:45	01/17/25 11:48
590-29043-13	JTA-004-N-S003-01162025	Solid	01/16/25 10:50	01/17/25 11:48
590-29043-14	JTA-004-FD-S003-01162025	Solid	01/16/25 10:55	01/17/25 11:48
590-29043-21	JTA-005-N-S001-01162025	Solid	01/16/25 13:30	01/17/25 11:48
590-29043-22	JTA-005-N-S003-01162025	Solid	01/16/25 13:35	01/17/25 11:48
590-29043-23	JTA-005-FD-S003-01162025	Solid	01/16/25 14:05	01/17/25 11:48
590-29043-30	JTA-006-N-S001-01162025	Solid	01/16/25 15:00	01/17/25 11:48
590-29043-31	JTA-006-FD-S001-01162025	Solid	01/16/25 15:30	01/17/25 11:48
590-29043-32	JTA-006-N-S003-01162025	Solid	01/16/25 15:05	01/17/25 11:48

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: JTA-003-N-S001-01162025 — Lab Sample ID: 590-29043-4

Date Collected: 01/16/25 09:35 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5000		2000	97	mg/Kg			01/31/25 15:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-003-N-S003-01162025 — Lab Sample ID: 590-29043-5

Date Collected: 01/16/25 09:40 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5200		2000	97	mg/Kg			01/31/25 15:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-004-N-S001-01162025 — Lab Sample ID: 590-29043-12

Date Collected: 01/16/25 10:45 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	12000		2000	97	mg/Kg			01/31/25 15:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-004-N-S003-01162025 — Lab Sample ID: 590-29043-13

Date Collected: 01/16/25 10:50 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5000		2000	97	mg/Kg			01/31/25 16:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-004-FD-S003-01162025 — Lab Sample ID: 590-29043-14

Date Collected: 01/16/25 10:55 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4900		2000	97	mg/Kg			01/31/25 16:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-005-N-S001-01162025 — Lab Sample ID: 590-29043-21

Date Collected: 01/16/25 13:30 — **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5600		2000	97	mg/Kg			01/31/25 16:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-005-N-S003-01162025 — Lab Sample ID: 590-29043-22

Date Collected: 01/16/25 13:35 — **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	800	J	2000	97	mg/Kg			01/31/25 16:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/21/25 13:40	1

Client Sample ID: JTA-005-FD-S003-01162025 — Lab Sample ID: 590-29043-23

Date Collected: 01/16/25 14:05 — **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	660	J	2000	97	mg/Kg			01/31/25 17:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-006-N-S001-01162025 — Lab Sample ID: 590-29043-30

Date Collected: 01/16/25 15:00 — **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4200		2000	97	mg/Kg			01/31/25 17:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-006-FD-S001-01162025 — Lab Sample ID: 590-29043-31

Date Collected: 01/16/25 15:30 — **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3100		2000	97	mg/Kg			01/31/25 18:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.1	0.1	SU			01/21/25 14:58	1

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-006-N-S003-01162025
Lab Sample ID: 590-29043-32
Date Collected: 01/16/25 15:05
Matrix: Solid
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	420	J	2000	97	mg/Kg			01/31/25 18:25	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.1	0.1	SU			01/21/25 14:58	1

Method: 9045D - pH

Lab Sample ID: LCS 590-51923/1
Matrix: Solid
Analysis Batch: 51923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: LCS 590-51929/1
Matrix: Solid
Analysis Batch: 51929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484037/3
Matrix: Solid
Analysis Batch: 484037

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			01/31/25 11:57	1

Lab Sample ID: LCS 580-484037/4
Matrix: Solid
Analysis Batch: 484037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	328000		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 580-484037/5
Matrix: Solid
Analysis Batch: 484037

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	326000		mg/Kg		102	80 - 120	1	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-003-N-S001-01162025
Lab Sample ID: 590-29043-4
Date Collected: 01/16/25 09:35
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.13 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.4000 mg	203.4000 mg	484037	01/31/25 15:25	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-003-N-S003-01162025
Lab Sample ID: 590-29043-5
Date Collected: 01/16/25 09:40
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.48 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.1000 mg	194.1000 mg	484037	01/31/25 15:40	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-004-N-S001-01162025
Lab Sample ID: 590-29043-12
Date Collected: 01/16/25 10:45
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.09 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.2000 mg	195.2000 mg	484037	01/31/25 15:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-004-N-S003-01162025
Lab Sample ID: 590-29043-13
Date Collected: 01/16/25 10:50
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.34 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	192.8000 mg	192.8000 mg	484037	01/31/25 16:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-004-FD-S003-01162025
Lab Sample ID: 590-29043-14
Date Collected: 01/16/25 10:55
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.5000 mg	198.5000 mg	484037	01/31/25 16:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-005-N-S001-01162025
Lab Sample ID: 590-29043-21
Date Collected: 01/16/25 13:30
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.1000 mg	200.1000 mg	484037	01/31/25 16:40	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-005-N-S003-01162025
Lab Sample ID: 590-29043-22
Date Collected: 01/16/25 13:35
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10 mL	51923	01/21/25 13:40	RMA	EET SPK
Total/NA	Analysis	9060A		1	210.1000 mg	210.1000 mg	484037	01/31/25 16:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-005-FD-S003-01162025
Lab Sample ID: 590-29043-23
Date Collected: 01/16/25 14:05
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.02 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	220.1000 mg	220.1000 mg	484037	01/31/25 17:10	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-006-N-S001-01162025
Lab Sample ID: 590-29043-30
Date Collected: 01/16/25 15:00
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.1000 mg	203.1000 mg	484037	01/31/25 17:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-006-FD-S001-01162025
Lab Sample ID: 590-29043-31
Date Collected: 01/16/25 15:30
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.24 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.2000 mg	197.2000 mg	484037	01/31/25 18:10	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-006-N-S003-01162025
Lab Sample ID: 590-29043-32

Date Collected: 01/16/25 15:05
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.16 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	193.4000 mg	193.4000 mg	484037	01/31/25 18:25	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S040-01162025	1/16/2025	8:30	Soil				X	3
JTA-002-N-S042-01162025	1/16/2025	8:35	Soil				X	3
JTA-003-N-S000-01162025	1/16/2025	9:30	Soil					3
JTA-003-N-S001-01162025	1/16/2025	9:35	Soil	X	X	X		3
JTA-003-N-S003-01162025	1/16/2025	9:40	Soil	X	X	X		3
JTA-003-N-S006-01162025	1/16/2025	9:45	Soil				X	3
JTA-003-N-S010-01162025	1/16/2025	9:50	Soil				X	3
JTA-003-N-S015-01162025	1/16/2025	9:55	Soil				X	3
JTA-003-N-S020-01162025	1/16/2025	10:00	Soil				X	3
JTA-003-N-S030-01162025	1/16/2025	10:05	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

29 cor IKOOLP

Sampled and Relinquished by	Received by
Sign BG	Sign
Print Bonnie Govern	Print Mackly Morris
Firm H&A	Firm EGT-PD
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

590-29043 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-004-N-S000-01162025	1/16/2025	10:40	Soil				X	3
JTA-004-N-S001-01162025	1/16/2025	10:45	Soil	X	X	X		3
JTA-004-N-S003-01162025	1/16/2025	10:50	Soil	X	X	X		3
JTA-004-FD-S003-01162025	1/16/2025	10:55	Soil	X	X	X		3
JTA-004-N-S006-01162025	1/16/2025	11:00	Soil				X	3
JTA-004-N-S010-01162025	1/16/2025	11:05	Soil				X	3
JTA-004-N-S015-01162025	1/16/2025	11 10	Soil				X	3
JTA-004-N-S020-01162025	1/16/2025	11 15	Soil				X	3
JTA-004-N-S030-01162025	1/16/2025	11:20	Soil				X	3
JTA-005-N-S000-01162025	1/16/2025	13:25	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.7 cool IR Bottle

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonner Gerow	Print Mercky Morris
Firm M&A	Firm EET SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plasti Bottle	Clear Glass
Preservative	Preservative
Volum	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

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Fax (509) 960-7447

Page 3 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	Analysis Requested: TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-005-N-S001-01162025	1/16/2025	13:30	Soil	X	X	X		3
JTA-005-N-S003-01162025	1/16/2025	13:35	Soil	X	X	X		3
JTA-005-FD-S003-01162025	1/16/2025	14:05	Soil	X	X	X		3
JTA-005-N-S006-01162025	1/16/2025	13:40	Soil				X	3
JTA-005-N-S010-01162025	1/16/2025	13:45	Soil				X	3
JTA-005-N-S015-01162025	1/16/2025	13.50	Soil				X	3
JTA-005-N-S017-01162025	1/16/2025	14:25	Soil				X	3
JTA-005-N-S025-01162025	1/16/2025	14:30	Soil				X	3
JTA-006-N-S000-01162025	1/16/2025	14:55	Soil				X	3
JTA-006-N-S001-01162025	1/16/2025	15:00	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

-- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

-- TOC- Total Organic Carbon

29 corr 1REV04

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Macky Morris
Firm H&A	Firm EFSSAC
Date 1/17/25 Time 1148	Date 1/17/25 1146
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 4 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-006-FD-S001-01162025	1/16/2025	15:30	Soil	X	X	X		3
JTA-006-N-S003-01162025	1/16/2025	15:05	Soil	X	X	X		3
JTA-006-N-S006-01162025	1/16/2025	15 10	Soil				X	3
JTA-006-N-S010-01162025	1/16/2025	15:15	Soil				X	3
JTA-006-N-S013-01162025	1/16/2025	15:20	Soil				X	3
JTA-006-N-S021-01162025	1/16/2025	15:25	Soil				X	3
JTA-006-N-S028-01162025	1/16/2025	15:30	Soil				X	3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.5, 2.9 con 1R006

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Macky Mors
Firm H&A	Firm ELEI SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plasti Bottle	Clear Glass
Preservative	Preservative
Volume	Volum

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

1/31/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29043-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/30/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-003-N-S001-01162025 (590-29043-4)	1/16/25	09:35 Pacific	G	Solid			X	1	
JTA-003-N-S003-01162025 (590-29043-5)	1/16/25	09:40 Pacific	G	Solid			X	1	
JTA-004-N-S001-01162025 (590-29043-12)	1/16/25	10:45 Pacific	G	Solid			X	1	
JTA-004-N-S003-01162025 (590-29043-13)	1/16/25	10:50 Pacific	G	Solid			X	1	
JTA-004-FD-S003-01162025 (590-29043-14)	1/16/25	10:55 Pacific	G	Solid			X	1	
JTA-005-N-S001-01162025 (590-29043-21)	1/16/25	13:30 Pacific	G	Solid			X	1	
JTA-005-N-S003-01162025 (590-29043-22)	1/16/25	13:35 Pacific	G	Solid			X	1	
JTA-005-FD-S003-01162025 (590-29043-23)	1/16/25	14:05 Pacific	G	Solid			X	1	
JTA-006-N-S001-01162025 (590-29043-30)	1/16/25	15:00 Pacific	G	Solid			X	1	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/17/25 1600	ESTSPK	[signature]	1-18-25 950	ESTSPK
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1815 1.0/1.0

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

1/31/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10406.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29043-1
Address: 5755 8th Street East, ,	Due Date Requested: 1/30/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				Analysis Requested		
JTA-006-FD-S001-01162025 (590-29043-31)	1/16/25	15:30 Pacific	G	Solid			X	1	
JTA-006-N-S003-01162025 (590-29043-32)	1/16/25	15:05 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/17/25 1600	ESTSPO		1-18-25 958	Eth
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 1.0/1.0

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-1

Login Number: 29043

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-1

Login Number: 29043
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/7/2025 2:25:35 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29043-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

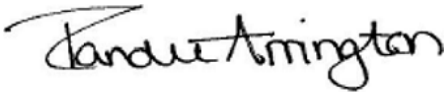
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
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Job ID: 590-29043-3 Eurofins Spokane

Job Narrative
590-29043-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/17/2025 11:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: JTA-003-N-S000-01162025 (590-29043-3), JTA-003-N-S006-01162025 (590-29043-6), JTA-004-N-S000-01162025 (590-29043-11), JTA-004-N-S006-01162025 (590-29043-15), JTA-005-N-S000-01162025 (590-29043-20), JTA-005-N-S006-01162025 (590-29043-24), JTA-006-N-S000-01162025 (590-29043-29) and JTA-006-N-S006-01162025 (590-29043-33).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client job activation: JTA-003-N-S000-01162025 (590-29043-3), JTA-003-N-S006-01162025 (590-29043-6), JTA-004-N-S000-01162025 (590-29043-11), JTA-004-N-S006-01162025 (590-29043-15), JTA-005-N-S000-01162025 (590-29043-20), JTA-005-N-S006-01162025 (590-29043-24), JTA-006-N-S000-01162025 (590-29043-29) and JTA-006-N-S006-01162025 (590-29043-33).

Method 9060A: The following samples were activated outside of holding time: JTA-004-N-S006-01162025 (590-29043-15), JTA-005-N-S000-01162025 (590-29043-20), JTA-005-N-S006-01162025 (590-29043-24), JTA-006-N-S000-01162025 (590-29043-29) and JTA-006-N-S006-01162025 (590-29043-33).

Method 9060A: The following samples were activated outside of holding time: JTA-003-N-S000-01162025 (590-29043-3), JTA-003-N-S006-01162025 (590-29043-6) and JTA-004-N-S000-01162025 (590-29043-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29043-3	JTA-003-N-S000-01162025	Solid	01/16/25 09:30	01/17/25 11:48
590-29043-6	JTA-003-N-S006-01162025	Solid	01/16/25 09:45	01/17/25 11:48
590-29043-11	JTA-004-N-S000-01162025	Solid	01/16/25 10:40	01/17/25 11:48
590-29043-15	JTA-004-N-S006-01162025	Solid	01/16/25 11:00	01/17/25 11:48
590-29043-20	JTA-005-N-S000-01162025	Solid	01/16/25 13:25	01/17/25 11:48
590-29043-24	JTA-005-N-S006-01162025	Solid	01/16/25 13:40	01/17/25 11:48
590-29043-29	JTA-006-N-S000-01162025	Solid	01/16/25 14:55	01/17/25 11:48
590-29043-33	JTA-006-N-S006-01162025	Solid	01/16/25 15:10	01/17/25 11:48

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: JTA-003-N-S000-01162025 Lab Sample ID: 590-29043-3

Date Collected: 01/16/25 09:30 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5500	H	2000	97	mg/Kg			03/06/25 23:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-003-N-S006-01162025 Lab Sample ID: 590-29043-6

Date Collected: 01/16/25 09:45 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1900	J H	2000	97	mg/Kg			03/06/25 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-004-N-S000-01162025 Lab Sample ID: 590-29043-11

Date Collected: 01/16/25 10:40 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	15000	H	2000	97	mg/Kg			03/06/25 23:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-004-N-S006-01162025 Lab Sample ID: 590-29043-15

Date Collected: 01/16/25 11:00 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	9000	H	2000	97	mg/Kg			03/05/25 00:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-005-N-S000-01162025 Lab Sample ID: 590-29043-20

Date Collected: 01/16/25 13:25 **Matrix: Solid**
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6300	H	2000	97	mg/Kg			03/05/25 01:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	H	0.1	0.1	SU			02/28/25 11:22	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-005-N-S006-01162025
Lab Sample ID: 590-29043-24
Date Collected: 01/16/25 13:40
Matrix: Solid
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	500	J H	2000	97	mg/Kg			03/05/25 01:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-006-N-S000-01162025
Lab Sample ID: 590-29043-29
Date Collected: 01/16/25 14:55
Matrix: Solid
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6500	H	2000	97	mg/Kg			03/05/25 01:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: JTA-006-N-S006-01162025
Lab Sample ID: 590-29043-33
Date Collected: 01/16/25 15:10
Matrix: Solid
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	460	J H	2000	97	mg/Kg			03/05/25 02:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	H	0.1	0.1	SU			02/28/25 11:22	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52635/1
Matrix: Solid
Analysis Batch: 52635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29043-3 DU
Matrix: Solid
Analysis Batch: 52635

Client Sample ID: JTA-003-N-S000-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.0	H		8.1		SU				0.9	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486627/3
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 23:33	1

Lab Sample ID: LCS 580-486627/4
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	298000		mg/Kg		93	80 - 120		

Lab Sample ID: LCSD 580-486627/5
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	311000		mg/Kg		97	80 - 120	4	20

Lab Sample ID: 590-29043-15 MS
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: JTA-004-N-S006-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	9000	H	85800	89300		mg/Kg		94	75 - 125		

Lab Sample ID: 590-29043-15 MSD
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: JTA-004-N-S006-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	9000	H	79800	87200		mg/Kg		98	75 - 125	2	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 590-29043-15 DU
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: JTA-004-N-S006-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	9000	H		8870		mg/Kg				1	20

Lab Sample ID: MB 580-486764/3
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 16:21	1

Lab Sample ID: LCS 580-486764/4
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	303000		mg/Kg		95	80 - 120		

Lab Sample ID: LCSD 580-486764/5
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	297000		mg/Kg		93	80 - 120	2	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-003-N-S000-01162025
Lab Sample ID: 590-29043-3
Date Collected: 01/16/25 09:30
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.18 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.0000 mg	196.0000 mg	486764	03/06/25 23:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-003-N-S006-01162025
Lab Sample ID: 590-29043-6
Date Collected: 01/16/25 09:45
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.7000 mg	205.7000 mg	486764	03/06/25 23:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-004-N-S000-01162025
Lab Sample ID: 590-29043-11
Date Collected: 01/16/25 10:40
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.40 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.0000 mg	199.0000 mg	486764	03/06/25 23:39	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-004-N-S006-01162025
Lab Sample ID: 590-29043-15
Date Collected: 01/16/25 11:00
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.8000 mg	197.8000 mg	486627	03/05/25 00:18	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: JTA-005-N-S000-01162025
Lab Sample ID: 590-29043-20
Date Collected: 01/16/25 13:25
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.09 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.8000 mg	199.8000 mg	486627	03/05/25 01:17	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-005-N-S006-01162025
Lab Sample ID: 590-29043-24
Date Collected: 01/16/25 13:40
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.18 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.8000 mg	194.8000 mg	486627	03/05/25 01:32	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-006-N-S000-01162025
Lab Sample ID: 590-29043-29
Date Collected: 01/16/25 14:55
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.11 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	209.0000 mg	209.0000 mg	486627	03/05/25 01:47	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-006-N-S006-01162025
Lab Sample ID: 590-29043-33
Date Collected: 01/16/25 15:10
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.18 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	202.7000 mg	202.7000 mg	486627	03/05/25 02:31	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S040-01162025	1/16/2025	8:30	Soil				X	3
JTA-002-N-S042-01162025	1/16/2025	8:35	Soil				X	3
JTA-003-N-S000-01162025	1/16/2025	9:30	Soil					3
JTA-003-N-S001-01162025	1/16/2025	9:35	Soil	X	X	X		3
JTA-003-N-S003-01162025	1/16/2025	9:40	Soil	X	X	X		3
JTA-003-N-S006-01162025	1/16/2025	9:45	Soil				X	3
JTA-003-N-S010-01162025	1/16/2025	9:50	Soil				X	3
JTA-003-N-S015-01162025	1/16/2025	9:55	Soil				X	3
JTA-003-N-S020-01162025	1/16/2025	10:00	Soil				X	3
JTA-003-N-S030-01162025	1/16/2025	10:05	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

29 cor IKOOLP

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Mackly Morris
Firm H&A	Firm EBC-PD
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29043 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE
TURNAROUND TIME
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-004-N-S000-01162025	1/16/2025	10:40	Soil				X	3
JTA-004-N-S001-01162025	1/16/2025	10:45	Soil	X	X	X		3
JTA-004-N-S003-01162025	1/16/2025	10:50	Soil	X	X	X		3
JTA-004-FD-S003-01162025	1/16/2025	10:55	Soil	X	X	X		3
JTA-004-N-S006-01162025	1/16/2025	11:00	Soil				X	3
JTA-004-N-S010-01162025	1/16/2025	11:05	Soil				X	3
JTA-004-N-S015-01162025	1/16/2025	11 10	Soil				X	3
JTA-004-N-S020-01162025	1/16/2025	11 15	Soil				X	3
JTA-004-N-S030-01162025	1/16/2025	11:20	Soil				X	3
JTA-005-N-S000-01162025	1/16/2025	13:25	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.7 cool IR6010

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonner Gerow	Print Mercky Morris
Firm M&A	Firm EET SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plasti Bottle	Clear Glass
Preservative	Preservative
Volum	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 3 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-005-N-S001-01162025	1/16/2025	13:30	Soil	X	X	X		3
JTA-005-N-S003-01162025	1/16/2025	13:35	Soil	X	X	X		3
JTA-005-FD-S003-01162025	1/16/2025	14:05	Soil	X	X	X		3
JTA-005-N-S006-01162025	1/16/2025	13:40	Soil				X	3
JTA-005-N-S010-01162025	1/16/2025	13:45	Soil				X	3
JTA-005-N-S015-01162025	1/16/2025	13.50	Soil				X	3
JTA-005-N-S017-01162025	1/16/2025	14:25	Soil				X	3
JTA-005-N-S025-01162025	1/16/2025	14:30	Soil				X	3
JTA-006-N-S000-01162025	1/16/2025	14:55	Soil				X	3
JTA-006-N-S001-01162025	1/16/2025	15:00	Soil	X	X	X		3

Comments(special instructions, precautions, additional method numbers, etc.)

-- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

-- TOC- Total Organic Carbon

29 corr 1Rev04

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonner Govan	Print Macky Morris
Firm H&A	Firm EFSSAC
Date 1/17/25 Time 1148	Date 1/17/25 1146
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 4 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-006-FD-S001-01162025	1/16/2025	15:30	Soil	X	X	X		3
JTA-006-N-S003-01162025	1/16/2025	15:05	Soil	X	X	X		3
JTA-006-N-S006-01162025	1/16/2025	15 10	Soil				X	3
JTA-006-N-S010-01162025	1/16/2025	15:15	Soil				X	3
JTA-006-N-S013-01162025	1/16/2025	15:20	Soil				X	3
JTA-006-N-S021-01162025	1/16/2025	15:25	Soil				X	3
JTA-006-N-S028-01162025	1/16/2025	15:30	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.5, 2.9 con 1R006

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Macky Mors
Firm H&A	Firm ELEC SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plasti Bottle	Clear Glass
Preservative	Preservative
Volume	Volum

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29043-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/6/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-003-N-S000-01162025 (590-29043-3)	1/16/25	09:30 Pacific	G	Solid			X	1	
JTA-003-N-S006-01162025 (590-29043-6)	1/16/25	09:45 Pacific	G	Solid			X	1	
JTA-004-N-S000-01162025 (590-29043-11)	1/16/25	10:40 Pacific	G	Solid			X	1	
JTA-004-N-S006-01162025 (590-29043-15)	**1/16/25**	**11:00 Pacific**	**G**	**Solid**			**X**	1	
JTA-005-N-S000-01162025 (590-29043-20)	1/16/25	13:25 Pacific	G	Solid			X	1	
JTA-005-N-S006-01162025 (590-29043-24)	1/16/25	13:40 Pacific	G	Solid			X	1	
JTA-006-N-S000-01162025 (590-29043-29)	1/16/25	14:55 Pacific	G	Solid			X	1	
JTA-006-N-S006-01162025 (590-29043-33)	1/16/25	15:10 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/24/25 1600	EETSPO		2-25-25 1000	EETSPO
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

3/7/2025

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-3

Login Number: 29043
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-3

Login Number: 29043
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-3

Login Number: 29043
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/22/2025 4:29:51 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29043-6

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

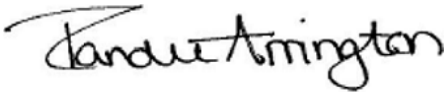
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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4/22/2025 4:29:51 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Receipt Checklists 17

Job ID: 590-29043-6 Eurofins Spokane

Job Narrative
590-29043-6

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/17/2025 11:48 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Receipt Exceptions
The following sample was activated by the client on 04/08/25: JTA-005-N-S017-01162025 (590-29043-27).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: JTA-005-N-S017-01162025 (590-29043-27).

Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-490715 was outside control limits. Sample matrix interference is suspected.

Method 9060A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 580-490715 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 9060A: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 580-490715 was outside control limits. Sample matrix interference is suspected.

Method 9060A: The following sample was activated outside of holding time: JTA-005-N-S017-01162025 (590-29043-27).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29043-27	JTA-005-N-S017-01162025	Solid	01/16/25 14:25	01/17/25 11:48

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-005-N-S017-01162025
Lab Sample ID: 590-29043-27
Date Collected: 01/16/25 14:25
Matrix: Solid
Date Received: 01/17/25 11:48

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1500	J H F1 F2 I	2000	97	mg/Kg			04/18/25 12:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	H	0.1	0.1	SU			04/18/25 12:44	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53519/1
Matrix: Solid
Analysis Batch: 53519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-490715/3
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	415	J	2000	97	mg/Kg			04/18/25 12:02	1

Lab Sample ID: LCS 580-490715/4
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	293000		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 580-490715/5
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	320000		mg/Kg		100	80 - 120	9	20

Lab Sample ID: 590-29043-27 MS
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: JTA-005-N-S017-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	1500	J H F1 F2 B	88800	79800		mg/Kg		88	75 - 125

Lab Sample ID: 590-29043-27 MSD
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: JTA-005-N-S017-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	1500	J H F1 F2 B	84200	118000	F1 F2	mg/Kg		139	75 - 125	39	20

Lab Sample ID: 590-29043-27 DU
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: JTA-005-N-S017-01162025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average Dup	1500	J H F1 F2 B	830	J F5	mg/Kg		55	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-005-N-S017-01162025
Lab Sample ID: 590-29043-27

Date Collected: 01/16/25 14:25
Matrix: Solid
Date Received: 01/17/25 11:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10 mL	53519	04/18/25 12:44	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.7000 mg	204.7000 mg	490715	04/18/25 12:47	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53356	04/09/25 17:50	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29043-6
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-002-N-S040-01162025	1/16/2025	8:30	Soil				X	3
JTA-002-N-S042-01162025	1/16/2025	8:35	Soil				X	3
JTA-003-N-S000-01162025	1/16/2025	9:30	Soil					3
JTA-003-N-S001-01162025	1/16/2025	9:35	Soil	X	X	X		3
JTA-003-N-S003-01162025	1/16/2025	9:40	Soil	X	X	X		3
JTA-003-N-S006-01162025	1/16/2025	9:45	Soil				X	3
JTA-003-N-S010-01162025	1/16/2025	9:50	Soil				X	3
JTA-003-N-S015-01162025	1/16/2025	9:55	Soil				X	3
JTA-003-N-S020-01162025	1/16/2025	10:00	Soil				X	3
JTA-003-N-S030-01162025	1/16/2025	10:05	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

29 cor IKOOLP

Sampled and Relinquished by	Received by
Sign BG	Sign
Print Bonnie Govern	Print Macky Morin
Firm H&A	Firm EBT-PD
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

590-29043 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-004-N-S000-01162025	1/16/2025	10:40	Soil				X	3
JTA-004-N-S001-01162025	1/16/2025	10:45	Soil	X	X	X		3
JTA-004-N-S003-01162025	1/16/2025	10:50	Soil	X	X	X		3
JTA-004-FD-S003-01162025	1/16/2025	10:55	Soil	X	X	X		3
JTA-004-N-S006-01162025	1/16/2025	11:00	Soil				X	3
JTA-004-N-S010-01162025	1/16/2025	11:05	Soil				X	3
JTA-004-N-S015-01162025	1/16/2025	11 10	Soil				X	3
JTA-004-N-S020-01162025	1/16/2025	11 15	Soil				X	3
JTA-004-N-S030-01162025	1/16/2025	11:20	Soil				X	3
JTA-005-N-S000-01162025	1/16/2025	13:25	Soil				X	3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.7 cool IRBOLD

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonner Gerow	Print Mercky Morris
Firm M&A	Firm BEI SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plasti Bottle	Clear Glass
Preservative	Preservative
Volum	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E H_2SO_4	G Methanol
B	Sample filtered	D	HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 3 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-005-N-S001-01162025	1/16/2025	13:30	Soil	X	X	X		3
JTA-005-N-S003-01162025	1/16/2025	13:35	Soil	X	X	X		3
JTA-005-FD-S003-01162025	1/16/2025	14:05	Soil	X	X	X		3
JTA-005-N-S006-01162025	1/16/2025	13:40	Soil				X	3
JTA-005-N-S010-01162025	1/16/2025	13:45	Soil				X	3
JTA-005-N-S015-01162025	1/16/2025	13.50	Soil				X	3
JTA-005-N-S017-01162025	1/16/2025	14:25	Soil				X	3
JTA-005-N-S025-01162025	1/16/2025	14:30	Soil				X	3
JTA-006-N-S000-01162025	1/16/2025	14:55	Soil				X	3
JTA-006-N-S001-01162025	1/16/2025	15:00	Soil	X	X	X		3

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

-- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

-- TOC- Total Organic Carbon

29 cont rec'd

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Macky Morris
Firm H&A	Firm EFSSAC
Date 1/17/25 Time 1148	Date 1/17/25 1146
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

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_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

- ☐ RC-S1
- ☐ RC-S2
- ☐ RC-GW1
- ☐ RC-GW2
- ☐ S1
- ☐ S2
- ☐ S3
- ☐ GW1
- ☐ GW2
- ☐ GW3

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
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Spokane, WA 99201-0513

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Page 4 of

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
JTA-006-FD-S001-01162025	1/16/2025	15:30	Soil	X	X	X		3
JTA-006-N-S003-01162025	1/16/2025	15:05	Soil	X	X	X		3
JTA-006-N-S006-01162025	1/16/2025	15 10	Soil				X	3
JTA-006-N-S010-01162025	1/16/2025	15:15	Soil				X	3
JTA-006-N-S013-01162025	1/16/2025	15:20	Soil				X	3
JTA-006-N-S021-01162025	1/16/2025	15:25	Soil				X	3
JTA-006-N-S028-01162025	1/16/2025	15:30	Soil				X	3

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

2.5, 2.9 con 18006

Sampled and Relinquished by	Received by
Sign	Sign
Print Bonnie Govern	Print Macky Mors
Firm H&A	Firm ELEI SPO
Date 1/17/25 Time 1148	Date 1/17/25 1148
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial
Amber Glass
Plasti Bottle
Preservative
Volume

SOLID

VOA Vial
Amber Glass
Clear Glass
Preservative
Volum

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10849.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): State - Washington		Job #: 590-29043-6
Address: 5755 8th Street East, ,	Due Date Requested: 4/18/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-005-N-S017-01162025 (590-29043-27)	1/16/25	14:25 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/10/25 14:10	EETSB	Brock Moore	4/11/25 1000	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 Cor -1.6 un -0.8

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-6

Login Number: 29043
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-6

Login Number: 29043
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/18/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 1.0c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-6

Login Number: 29043
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-6

Login Number: 29043
List Number: 6
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29043-6

Login Number: 29043
List Number: 7
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 04/11/25 04:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.6 un -0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 2/3/2025 4:01:42 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29051-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

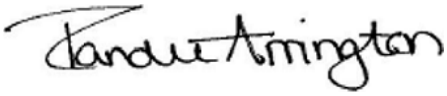
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
Randee Arrington, Business Unit Manager
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Job ID: 590-29051-1 Eurofins Spokane

Job Narrative
590-29051-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/20/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 3.7°C.

General Chemistry
Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-484055 was outside control limits. Sample non-homogeneity is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29051-2	JTA-007-N-S001-01172025	Solid	01/17/25 09:55	01/20/25 08:40
590-29051-3	JTA-007-N-S003-01172025	Solid	01/17/25 10:00	01/20/25 08:40
590-29051-4	JTA-007-FD-S003-01172025	Solid	01/17/25 10:30	01/20/25 08:40
590-29051-9	JTA-008-N-S001-01172025	Solid	01/17/25 11:00	01/20/25 08:40
590-29051-10	JTA-008-N-S003-01172025	Solid	01/17/25 11:05	01/20/25 08:40
590-29051-16	JTA-009-N-S001-01172025	Solid	01/17/25 11:45	01/20/25 08:40
590-29051-17	JTA-009-N-S003-01172025	Solid	01/17/25 11:50	01/20/25 08:40
590-29051-18	JTA-009-FD-S003-01172025	Solid	01/17/25 12:20	01/20/25 08:40
590-29051-25	RT-003-N-S001-01172025	Solid	01/17/25 14:10	01/20/25 08:40
590-29051-26	RT-003-N-S003-01172025	Solid	01/17/25 14:15	01/20/25 08:40
590-29051-27	RT-003-FD-S003-01172025	Solid	01/17/25 14:20	01/20/25 08:40

Client: Haley & Aldrich, Inc. Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: JTA-007-N-S001-01172025 — Lab Sample ID: 590-29051-2

Date Collected: 01/17/25 09:55 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6100		2000	97	mg/Kg			02/01/25 15:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-007-N-S003-01172025 — Lab Sample ID: 590-29051-3

Date Collected: 01/17/25 10:00 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3900		2000	97	mg/Kg			02/01/25 16:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-007-FD-S003-01172025 — Lab Sample ID: 590-29051-4

Date Collected: 01/17/25 10:30 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5900		2000	97	mg/Kg			02/01/25 16:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-008-N-S001-01172025 — Lab Sample ID: 590-29051-9

Date Collected: 01/17/25 11:00 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5500		2000	97	mg/Kg			02/01/25 16:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.0		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-008-N-S003-01172025 — Lab Sample ID: 590-29051-10

Date Collected: 01/17/25 11:05 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	450	J	2000	97	mg/Kg			02/01/25 17:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-009-N-S001-01172025 — Lab Sample ID: 590-29051-16

Date Collected: 01/17/25 11:45 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2000		2000	97	mg/Kg			02/01/25 17:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-009-N-S003-01172025 — Lab Sample ID: 590-29051-17

Date Collected: 01/17/25 11:50 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1900	J	2000	97	mg/Kg			02/01/25 17:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: JTA-009-FD-S003-01172025 — Lab Sample ID: 590-29051-18

Date Collected: 01/17/25 12:20 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2400		2000	97	mg/Kg			02/01/25 18:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: RT-003-N-S001-01172025 — Lab Sample ID: 590-29051-25

Date Collected: 01/17/25 14:10 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6200		2000	97	mg/Kg			02/01/25 18:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/21/25 14:58	1

Client Sample ID: RT-003-N-S003-01172025 — Lab Sample ID: 590-29051-26

Date Collected: 01/17/25 14:15 — **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3800		2000	97	mg/Kg			02/01/25 18:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/21/25 14:58	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: RT-003-FD-S003-01172025
Lab Sample ID: 590-29051-27
Date Collected: 01/17/25 14:20
Matrix: Solid
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3800		2000	97	mg/Kg			02/01/25 18:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/21/25 14:58	1

Method: 9045D - pH

Lab Sample ID: LCS 590-51929/1
Matrix: Solid
Analysis Batch: 51929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29051-27 DU
Matrix: Solid
Analysis Batch: 51929

Client Sample ID: RT-003-FD-S003-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.7			7.7		SU				0	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484055/3
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/01/25 14:30	1

Lab Sample ID: LCS 580-484055/4
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	327000		mg/Kg		102	80 - 120		

Lab Sample ID: LCSD 580-484055/5
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	326000		mg/Kg		102	80 - 120	0	20

Lab Sample ID: 590-29051-2 MS
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: JTA-007-N-S001-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	6100		96500	106000		mg/Kg		103	75 - 125		

Lab Sample ID: 590-29051-2 MSD
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: JTA-007-N-S001-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	6100		91800	105000		mg/Kg		108	75 - 125	1	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 590-29051-2 DU
Client Sample ID: JTA-007-N-S001-01172025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 484055

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	6100			7690	F5	mg/Kg				22	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-007-N-S001-01172025
Lab Sample ID: 590-29051-2
Date Collected: 01/17/25 09:55
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.53 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.9000 mg	196.9000 mg	484055	02/01/25 15:15	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-007-N-S003-01172025
Lab Sample ID: 590-29051-3
Date Collected: 01/17/25 10:00
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.29 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.3000 mg	194.3000 mg	484055	02/01/25 16:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-007-FD-S003-01172025
Lab Sample ID: 590-29051-4
Date Collected: 01/17/25 10:30
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.59 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.2000 mg	203.2000 mg	484055	02/01/25 16:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-008-N-S001-01172025
Lab Sample ID: 590-29051-9
Date Collected: 01/17/25 11:00
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.33 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	193.0000 mg	193.0000 mg	484055	02/01/25 16:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-008-N-S003-01172025
Lab Sample ID: 590-29051-10
Date Collected: 01/17/25 11:05
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.20 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.3000 mg	198.3000 mg	484055	02/01/25 17:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-009-N-S001-01172025
Lab Sample ID: 590-29051-16
Date Collected: 01/17/25 11:45
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.15 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.1000 mg	205.1000 mg	484055	02/01/25 17:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-009-N-S003-01172025
Lab Sample ID: 590-29051-17
Date Collected: 01/17/25 11:50
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.59 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	211.6000 mg	211.6000 mg	484055	02/01/25 17:58	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: JTA-009-FD-S003-01172025
Lab Sample ID: 590-29051-18
Date Collected: 01/17/25 12:20
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.59 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	193.7000 mg	193.7000 mg	484055	02/01/25 18:13	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: RT-003-N-S001-01172025
Lab Sample ID: 590-29051-25
Date Collected: 01/17/25 14:10
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.02 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	192.4000 mg	192.4000 mg	484055	02/01/25 18:28	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: RT-003-N-S003-01172025
Lab Sample ID: 590-29051-26
Date Collected: 01/17/25 14:15
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.13 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.5000 mg	197.5000 mg	484055	02/01/25 18:43	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: RT-003-FD-S003-01172025
Lab Sample ID: 590-29051-27
Date Collected: 01/17/25 14:20
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.32 g	10 mL	51929	01/21/25 14:58	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.1000 mg	198.1000 mg	484055	02/01/25 18:58	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-007-N-S000-01172025	1/17/2025	0950	Soil				2
JTA-007-N-S001-01172025	1/17/2025	0955	Soil	X	X	X	2
JTA-007-N-S003-01172025	1/17/2025	1000	Soil	X	X	X	2
JTA-007-FD-S003-01172025	1/17/2025	1030	Soil	X	X	X	2
JTA-007-N-S006-01172025	1/17/2025	1005	Soil				2
JTA-007-N-S010-01172025	1/17/2025	1010	Soil				2
JTA-007-N-S013-01172025	1/17/2025	1035	Soil				2
JTA-008-N-S000-01172025	1/17/2025	1055	Soil				2
JTA-008-N-S001-01172025	1/17/2025	1100	Soil	X	X	X	2
JTA-008-N-S003-01172025	1/17/2025	1105	Soil	X	X	X	2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3.7 + 0.8 cor. IR004

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Mackay Mort
Firm HA	Firm EET SPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29051 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

2/3/2025

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/20/25 standard		
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-008-N-S006-01172025	1/17/2025	1110	Soil				2
JTA-008-N-S010-01172025	1/17/2025	1115	Soil				2
JTA-008-N-S015-01172025	1/17/2025	1120	Soil				2
JTA-008-N-S017-01172025	1/17/2025	1130	Soil				2
JTA-009-N-S000-01172025	1/17/2025	1140	Soil				2
JTA-009-N-S001-01172025	1/17/2025	1145	Soil	X	X	X	2
JTA-009-N-S003-01172025	1/17/2025	1150	Soil	X	X	X	2
JTA-009-FD-S003-01172025	1/17/2025	1220	Soil	X	X	X	2
JTA-009-N-S006-01172025	1/17/2025	1155	Soil				2
JTA-009-N-S010-01172025	1/17/2025	1200	Soil				2

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

37 + 0.8 cor IRODE

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign Mackey Morris
Print Breeyn Greer	Print Mackey Morris
Firm HA	Firm EGS120
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-009-N-S015-01172025	1/17/2025	1205	Soil				2
JTA-009-N-S020-01172025	1/17/2025	1210	Soil				2
JTA-009-N-S030-01172025	1/17/2025	1215	Soil				2
RT-003-N-S000-01172025	1/17/2025	1405	Soil				2
RT-003-N-S001-01172025	1/17/2025	1410	Soil	X	X	X	2
RT-003-N-S003-01172025	1/17/2025	1415	Soil	X	X	X	2
RT-003-FD-S003-01172025	1/17/2025	1420	Soil	X	X	X	2
RT-003-N-S006-01172025	1/17/2025	1425	Soil				2
RT-003-N-S010-01172025	1/17/2025	1430	Soil				2
RT-003-N-S015-01172025	1/17/2025	1435	Soil				2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

37 + 0.8 cor 1/21/26

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign Mackay Mors
Print Breeyn Greer	Print Mackay Mors
Firm H&A	Firm ESTSPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

2/3/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
RT-003-N-S020-01172025	1/17/2025	1440	Soil				2
RT-003-N-S030-01172025	1/17/2025	1445	Soil				2

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

37 + 0.8 cor 1Redo

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Macky Morris
Firm H&A	Firm EAT SAC
Date 1/20/25 Time 0940	Date 1/20/25 840

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/3/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10409.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29051-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-007-N-S001-01172025 (590-29051-2)	1/17/25	09:55 Pacific	G	Solid			X	1	
JTA-007-N-S003-01172025 (590-29051-3)	1/17/25	10:00 Pacific	G	Solid			X	1	
JTA-007-FD-S003-01172025 (590-29051-4)	1/17/25	10:30 Pacific	G	Solid			X	1	
JTA-008-N-S003-01172025 (590-29051-10)	1/17/25	11:05 Pacific	G	Solid			X	1	
JTA-009-N-S001-01172025 (590-29051-16)	1/17/25	11:45 Pacific	G	Solid			X	1	
JTA-009-N-S003-01172025 (590-29051-17)	1/17/25	11:50 Pacific	G	Solid			X	1	
JTA-009-FD-S003-01172025 (590-29051-18)	1/17/25	12:20 Pacific	G	Solid			X	1	
RT-003-N-S001-01172025 (590-29051-25)	1/17/25	14:10 Pacific	G	Solid			X	1	
RT-003-N-S003-01172025 (590-29051-26)	1/17/25	14:15 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/20/25 1446	ETSPO		1/21/25 0930	ETNW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 -1.3/-0.3

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10409.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29051-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RT-003-FD-S003-01172025 (590-29051-27)	1/17/25	14:20 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/20/25 1446	Company: ESSR	Received by:	Date/Time: 1/21/25 0920	Company: EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 - 1.3/-0.3

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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2/3/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10410.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29051-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			Other: N/A
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-008-N-S001-01172025 (590-29051-9)	1/17/25	11:00 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/20/25 1446	EET SPO	[signature]	1/21/25 0920	EET N
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR1 = 1.3/+0.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-1

Login Number: 29051

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-1

Login Number: 29051
List Number: 2
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 01/21/25 01:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.3 un -0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/6/2025 11:53:23 AM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29051-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

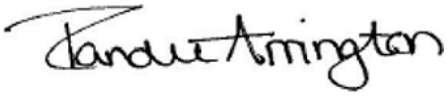
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/6/2025 11:53:23 AM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29051-3 Eurofins Spokane

Job Narrative
590-29051-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/20/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 3.7°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: JTA-007-N-S000-01172025 (590-29051-1), JTA-007-N-S006-01172025 (590-29051-5), JTA-008-N-S000-01172025 (590-29051-8), JTA-008-N-S006-01172025 (590-29051-11), JTA-009-N-S000-01172025 (590-29051-15), JTA-009-N-S006-01172025 (590-29051-19), RT-003-N-S000-01172025 (590-29051-24) and RT-003-N-S006-01172025 (590-29051-28).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client job activation: JTA-007-N-S000-01172025 (590-29051-1), JTA-007-N-S006-01172025 (590-29051-5), JTA-008-N-S000-01172025 (590-29051-8), JTA-008-N-S006-01172025 (590-29051-11), JTA-009-N-S000-01172025 (590-29051-15), JTA-009-N-S006-01172025 (590-29051-19), RT-003-N-S000-01172025 (590-29051-24) and RT-003-N-S006-01172025 (590-29051-28).

Method 9060A: The following samples were received outside of holding time: JTA-007-N-S006-01172025 (590-29051-5), JTA-008-N-S000-01172025 (590-29051-8), JTA-009-N-S000-01172025 (590-29051-15), JTA-009-N-S006-01172025 (590-29051-19), RT-003-N-S000-01172025 (590-29051-24) and RT-003-N-S006-01172025 (590-29051-28).

Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-486650 was outside control limits. Sample matrix interference is suspected.

Method 9060A: The following samples were received outside of holding time: JTA-007-N-S000-01172025 (590-29051-1) and JTA-008-N-S006-01172025 (590-29051-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29051-1	JTA-007-N-S000-01172025	Solid	01/17/25 09:50	01/20/25 08:40
590-29051-5	JTA-007-N-S006-01172025	Solid	01/17/25 10:05	01/20/25 08:40
590-29051-8	JTA-008-N-S000-01172025	Solid	01/17/25 10:55	01/20/25 08:40
590-29051-11	JTA-008-N-S006-01172025	Solid	01/17/25 11:10	01/20/25 08:40
590-29051-15	JTA-009-N-S000-01172025	Solid	01/17/25 11:40	01/20/25 08:40
590-29051-19	JTA-009-N-S006-01172025	Solid	01/17/25 11:55	01/20/25 08:40
590-29051-24	RT-003-N-S000-01172025	Solid	01/17/25 14:05	01/20/25 08:40
590-29051-28	RT-003-N-S006-01172025	Solid	01/17/25 14:25	01/20/25 08:40

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: JTA-007-N-S000-01172025 Lab Sample ID: 590-29051-1

Date Collected: 01/17/25 09:50 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	12000	H	2000	97	mg/Kg			03/05/25 16:18	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-007-N-S006-01172025 Lab Sample ID: 590-29051-5

Date Collected: 01/17/25 10:05 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3900	H	2000	97	mg/Kg			03/04/25 15:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-008-N-S000-01172025 Lab Sample ID: 590-29051-8

Date Collected: 01/17/25 10:55 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	9400	H	2000	97	mg/Kg			03/04/25 16:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-008-N-S006-01172025 Lab Sample ID: 590-29051-11

Date Collected: 01/17/25 11:10 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	460	J H	2000	97	mg/Kg			03/05/25 17:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-009-N-S000-01172025 Lab Sample ID: 590-29051-15

Date Collected: 01/17/25 11:40 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1100	J H	2000	97	mg/Kg			03/04/25 16:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: JTA-009-N-S006-01172025 Lab Sample ID: 590-29051-19

Date Collected: 01/17/25 11:55 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	320	J H	2000	97	mg/Kg			03/04/25 17:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: RT-003-N-S000-01172025 Lab Sample ID: 590-29051-24

Date Collected: 01/17/25 14:05 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	20000	H	2000	97	mg/Kg			03/04/25 17:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: RT-003-N-S006-01172025 Lab Sample ID: 590-29051-28

Date Collected: 01/17/25 14:25 **Matrix: Solid**
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6500	H	2000	97	mg/Kg			03/04/25 18:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9	H	0.1	0.1	SU			02/27/25 11:52	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52610/1
Matrix: Solid
Analysis Batch: 52610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486571/3
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 15:00	1

Lab Sample ID: LCS 580-486571/4
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	306000		mg/Kg		96	80 - 120

Lab Sample ID: LCSD 580-486571/5
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	310000		mg/Kg		97	80 - 120	1	20

Lab Sample ID: 590-29051-5 MS
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: JTA-007-N-S006-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	3900	H	77000	74900		mg/Kg		92	75 - 125

Lab Sample ID: 590-29051-5 MSD
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: JTA-007-N-S006-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	3900	H	76000	81200		mg/Kg		102	75 - 125	8	20

Lab Sample ID: 590-29051-5 DU
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: JTA-007-N-S006-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average Dup	3900	H	3400		mg/Kg		15	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 580-486650/3
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/05/25 15:33	1

Lab Sample ID: LCS 580-486650/4
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	335000		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 580-486650/5
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	293000		mg/Kg		91	80 - 120	14	20

Lab Sample ID: 590-29051-1 MS
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: JTA-007-N-S000-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	12000	H	82800	88700		mg/Kg		92	75 - 125		

Lab Sample ID: 590-29051-1 MSD
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: JTA-007-N-S000-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	12000	H	89200	88300		mg/Kg		85	75 - 125	0	20

Lab Sample ID: 590-29051-1 DU
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: JTA-007-N-S000-01172025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average Dup	12000	H	8530	F3	mg/Kg		38	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-007-N-S000-01172025
Lab Sample ID: 590-29051-1
Date Collected: 01/17/25 09:50
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.59 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.7000 mg	199.7000 mg	486650	03/05/25 16:18	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-007-N-S006-01172025
Lab Sample ID: 590-29051-5
Date Collected: 01/17/25 10:05
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.21 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.7000 mg	201.7000 mg	486571	03/04/25 15:45	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-008-N-S000-01172025
Lab Sample ID: 590-29051-8
Date Collected: 01/17/25 10:55
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.07 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.2000 mg	198.2000 mg	486571	03/04/25 16:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-008-N-S006-01172025
Lab Sample ID: 590-29051-11
Date Collected: 01/17/25 11:10
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.8000 mg	204.8000 mg	486650	03/05/25 17:40	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: JTA-009-N-S000-01172025
Lab Sample ID: 590-29051-15
Date Collected: 01/17/25 11:40
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.19 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	214.3000 mg	214.3000 mg	486571	03/04/25 16:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-009-N-S006-01172025
Lab Sample ID: 590-29051-19
Date Collected: 01/17/25 11:55
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.2000 mg	199.2000 mg	486571	03/04/25 17:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: RT-003-N-S000-01172025
Lab Sample ID: 590-29051-24
Date Collected: 01/17/25 14:05
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.45 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.1000 mg	195.1000 mg	486571	03/04/25 17:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: RT-003-N-S006-01172025
Lab Sample ID: 590-29051-28
Date Collected: 01/17/25 14:25
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	214.7000 mg	214.7000 mg	486571	03/04/25 18:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
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Spokane, WA 99201-0513

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Fax (509) 960-7447
Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-007-N-S000-01172025	1/17/2025	0950	Soil				2
JTA-007-N-S001-01172025	1/17/2025	0955	Soil	X	X	X	2
JTA-007-N-S003-01172025	1/17/2025	1000	Soil	X	X	X	2
JTA-007-FD-S003-01172025	1/17/2025	1030	Soil	X	X	X	2
JTA-007-N-S006-01172025	1/17/2025	1005	Soil				2
JTA-007-N-S010-01172025	1/17/2025	1010	Soil				2
JTA-007-N-S013-01172025	1/17/2025	1035	Soil				2
JTA-008-N-S000-01172025	1/17/2025	1055	Soil				2
JTA-008-N-S001-01172025	1/17/2025	1100	Soil	X	X	X	2
JTA-008-N-S003-01172025	1/17/2025	1105	Soil	X	X	X	2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3.7 + 0.8 cor. IR004

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Mackay Mort
Firm HA	Firm EET SPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29051 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
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Spokane, WA 99201-0513
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Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/20/25 standard		
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-008-N-S006-01172025	1/17/2025	1110	Soil				2
JTA-008-N-S010-01172025	1/17/2025	1115	Soil				2
JTA-008-N-S015-01172025	1/17/2025	1120	Soil				2
JTA-008-N-S017-01172025	1/17/2025	1130	Soil				2
JTA-009-N-S000-01172025	1/17/2025	1140	Soil				2
JTA-009-N-S001-01172025	1/17/2025	1145	Soil	X	X	X	2
JTA-009-N-S003-01172025	1/17/2025	1150	Soil	X	X	X	2
JTA-009-FD-S003-01172025	1/17/2025	1220	Soil	X	X	X	2
JTA-009-N-S006-01172025	1/17/2025	1155	Soil				2
JTA-009-N-S010-01172025	1/17/2025	1200	Soil				2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

37 + 0.8 cor IRODE

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Hayley Morris
Firm HA	Firm EUS120
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol

B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

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Spokane, WA 99201-0513

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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-009-N-S015-01172025	1/17/2025	1205	Soil				2
JTA-009-N-S020-01172025	1/17/2025	1210	Soil				2
JTA-009-N-S030-01172025	1/17/2025	1215	Soil				2
RT-003-N-S000-01172025	1/17/2025	1405	Soil				2
RT-003-N-S001-01172025	1/17/2025	1410	Soil	X	X	X	2
RT-003-N-S003-01172025	1/17/2025	1415	Soil	X	X	X	2
RT-003-FD-S003-01172025	1/17/2025	1420	Soil	X	X	X	2
RT-003-N-S006-01172025	1/17/2025	1425	Soil				2
RT-003-N-S010-01172025	1/17/2025	1430	Soil				2
RT-003-N-S015-01172025	1/17/2025	1435	Soil				2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

37 + 0.8 cor 1/21/26

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Macky Mors
Firm H&A	Firm BETSPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	Analysis Requested: TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
RT-003-N-S020-01172025	1/17/2025	1440	Soil				2
RT-003-N-S030-01172025	1/17/2025	1445	Soil				2

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

37 + 0.8 cor IRedo

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Macky Morris
Firm H&A	Firm EAT SAC
Date 1/20/25 Time 0940	Date 1/20/25 840

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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3/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29051-3
Address: 5755 8th Street East,	Due Date Requested: 3/2/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of Containers	Special Instructions/Note:
			Preservation Code:						
JTA-007-N-S000-01172025 (590-29051-1)	1/17/25	09:50 Pacific	G	Solid			X		
JTA-007-N-S006-01172025 (590-29051-5)	1/17/25	10:05 Pacific	G	Solid			X		
JTA-008-N-S000-01172025 (590-29051-8)	1/17/25	10:55 Pacific	G	Solid			X		
JTA-008-N-S006-01172025 (590-29051-11)	1/17/25	11:10 Pacific	G	Solid			X		
JTA-009-N-S000-01172025 (590-29051-15)	1/17/25	11:40 Pacific	G	Solid			X		
JTA-009-N-S006-01172025 (590-29051-19)	1/17/25	11:55 Pacific	G	Solid			X		
RT-003-N-S000-01172025 (590-29051-24)	1/17/25	14:05 Pacific	G	Solid			X		
RT-003-N-S006-01172025 (590-29051-28)	1/17/25	14:25 Pacific	G	Solid			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/24/25 1600	EETSPO		2-25-25 1000	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-3

Login Number: 29051

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-3

Login Number: 29051
List Number: 2
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 01/21/25 01:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.3 un -0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-3

Login Number: 29051
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/22/2025 4:24:14 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29051-6

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

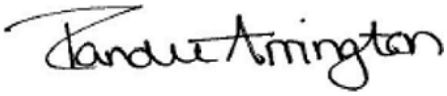
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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4/22/2025 4:24:14 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29051-6 Eurofins Spokane

Job Narrative
590-29051-6

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/20/2025 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 3.7°C.

Receipt Exceptions
The following samples were activated by the client on 04/08/25: JTA-008-N-S017-01172025 (590-29051-14) and JTA-009-N-S020-01172025 (590-29051-22).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client activation: JTA-008-N-S017-01172025 (590-29051-14) and JTA-009-N-S020-01172025 (590-29051-22).

Method 9060A: The method blank for analytical batch 580-490715 contained TOC above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL) ; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9060A: The following samples were activated outside of holding time: JTA-008-N-S017-01172025 (590-29051-14) and JTA-009-N-S020-01172025 (590-29051-22).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-6
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29051-14	JTA-008-N-S017-01172025	Solid	01/17/25 11:30	01/20/25 08:40
590-29051-22	JTA-009-N-S020-01172025	Solid	01/17/25 12:10	01/20/25 08:40

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29051-6
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: JTA-008-N-S017-01172025
Lab Sample ID: 590-29051-14

Date Collected: 01/17/25 11:30
Matrix: Solid
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	860	J H B	2000	97	mg/Kg			04/18/25 13:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	H	0.1	0.1	SU			04/18/25 12:44	1

Client Sample ID: JTA-009-N-S020-01172025
Lab Sample ID: 590-29051-22

Date Collected: 01/17/25 12:10
Matrix: Solid
Date Received: 01/20/25 08:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	590	J H B	2000	97	mg/Kg			04/18/25 14:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6	H	0.1	0.1	SU			04/18/25 12:44	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53519/1
Matrix: Solid
Analysis Batch: 53519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-490715/3
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	415	J	2000	97	mg/Kg			04/18/25 12:02	1

Lab Sample ID: LCS 580-490715/4
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	293000		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 580-490715/5
Matrix: Solid
Analysis Batch: 490715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	320000		mg/Kg		100	80 - 120	9	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-6
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: JTA-008-N-S017-01172025
Lab Sample ID: 590-29051-14
Date Collected: 01/17/25 11:30
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.23 g	10 mL	53519	04/18/25 12:44	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.8000 mg	199.8000 mg	490715	04/18/25 13:46	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53356	04/09/25 17:50	AMB	EET SPK

Client Sample ID: JTA-009-N-S020-01172025
Lab Sample ID: 590-29051-22
Date Collected: 01/17/25 12:10
Matrix: Solid
Date Received: 01/20/25 08:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.08 g	10 mL	53519	04/18/25 12:44	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.7000 mg	198.7000 mg	490715	04/18/25 14:01	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53356	04/09/25 17:50	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29051-6
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29051-6
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-007-N-S000-01172025	1/17/2025	0950	Soil				2
JTA-007-N-S001-01172025	1/17/2025	0955	Soil	X	X	X	2
JTA-007-N-S003-01172025	1/17/2025	1000	Soil	X	X	X	2
JTA-007-FD-S003-01172025	1/17/2025	1030	Soil	X	X	X	2
JTA-007-N-S006-01172025	1/17/2025	1005	Soil				2
JTA-007-N-S010-01172025	1/17/2025	1010	Soil				2
JTA-007-N-S013-01172025	1/17/2025	1035	Soil				2
JTA-008-N-S000-01172025	1/17/2025	1055	Soil				2
JTA-008-N-S001-01172025	1/17/2025	1100	Soil	X	X	X	2
JTA-008-N-S003-01172025	1/17/2025	1105	Soil	X	X	X	2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

3.7 + 0.8 cor. 1 pour

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Mackay Mort
Firm HA	Firm EET SPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

590-29051 Chain of Custody

Evidence samples were tampered with? YES NO
If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/20/25 standard		
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-008-N-S006-01172025	1/17/2025	1110	Soil				2
JTA-008-N-S010-01172025	1/17/2025	1115	Soil				2
JTA-008-N-S015-01172025	1/17/2025	1120	Soil				2
JTA-008-N-S017-01172025	1/17/2025	1130	Soil				2
JTA-009-N-S000-01172025	1/17/2025	1140	Soil				2
JTA-009-N-S001-01172025	1/17/2025	1145	Soil	X	X	X	2
JTA-009-N-S003-01172025	1/17/2025	1150	Soil	X	X	X	2
JTA-009-FD-S003-01172025	1/17/2025	1220	Soil	X	X	X	2
JTA-009-N-S006-01172025	1/17/2025	1155	Soil				2
JTA-009-N-S010-01172025	1/17/2025	1200	Soil				2

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

37 + 0.8 cor IRODE

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign Mackey Monro
Print Breeyn Greer	Print Mackey Monro
Firm HA	Firm ESS120
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
JTA-009-N-S015-01172025	1/17/2025	1205	Soil				2
JTA-009-N-S020-01172025	1/17/2025	1210	Soil				2
JTA-009-N-S030-01172025	1/17/2025	1215	Soil				2
RT-003-N-S000-01172025	1/17/2025	1405	Soil				2
RT-003-N-S001-01172025	1/17/2025	1410	Soil	X	X	X	2
RT-003-N-S003-01172025	1/17/2025	1415	Soil	X	X	X	2
RT-003-FD-S003-01172025	1/17/2025	1420	Soil	X	X	X	2
RT-003-N-S006-01172025	1/17/2025	1425	Soil				2
RT-003-N-S010-01172025	1/17/2025	1430	Soil				2
RT-003-N-S015-01172025	1/17/2025	1435	Soil				2

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

37 + 0.8 cor 1/21/26

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign Mackay Mors
Print Breeyn Greer	Print Mackay Mors
Firm H&A	Firm ESSPO
Date 1/20/25 Time 0840	Date 1/20/25 840
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/20/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave Spokane Valley WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
RT-003-N-S020-01172025	1/17/2025	1440	Soil				2
RT-003-N-S030-01172025	1/17/2025	1445	Soil				2

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

37 + 0.8 cor IRedo

Sampled and Relinquished by	Received by
Sign Breeyn Greer	Sign
Print Breeyn Greer	Print Macky Morris
Firm H&A	Firm EAT SAC
Date 1/20/25 Time 0840	Date 1/20/25 840

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requir

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

SHIPPING/RECEIVING
EUROFINS ENVIRONMENTAL SPOKANE
11922 E 1ST AVE

SPOKANE VALLEY, WA 99206
UNITED STATES US

CAD: 0941709/CAFE3855

BILL SENDER

Part # 159469-434 MTW EXP 04/25

TO **SHIPPING/RECEIVING**
EUROFINS TUSTIN
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:
INV:
PO: DEPT:

FedEx Express

J243024070401ar

TRK# 0201 **4242 5693 4087**

WED - 12 MAR 10:30A
PRIORITY OVERNIGHT

XW DTHA

92780
CA-US **SNA**

590-29051 Waybill

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10849.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): State - Washington		Job #: 590-29051-6
Address: 5755 8th Street East, ,	Due Date Requested: 4/18/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
JTA-008-N-S017-01172025 (590-29051-14)	1/17/25	11:30 Pacific	G	Solid			X	1	
JTA-009-N-S020-01172025 (590-29051-22)	1/17/25	12:10 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/10/25 1410	EETSPO			
Relinquished by:	Date/Time:	Company	Received by: Brook Moore	Date/Time: 4/11/25 1000	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 COR -1.6 UN -0.8

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-6

Login Number: 29051
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-6

Login Number: 29051
List Number: 2
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 01/21/25 01:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.3 un -0.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-6

Login Number: 29051
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-6

Login Number: 29051
List Number: 5
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29051-6

Login Number: 29051
List Number: 6
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 04/11/25 04:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor -1.6 un -0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 2/4/2025 3:47:03 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29066-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

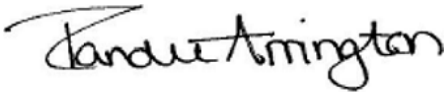
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
2/4/2025 3:47:03 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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QC Sample Results 9
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Method Summary 13
Chain of Custody 14
Receipt Checklists 19

Job ID: 590-29066-1 Eurofins Spokane

Job Narrative
590-29066-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/21/2025 11:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29066-2	RTA-002-N-S001-01202025	Solid	01/20/25 08:37	01/21/25 11:05
590-29066-3	RTA-002-N-S003-01202025	Solid	01/20/25 08:49	01/21/25 11:05
590-29066-8	RTA-001-N-S001-01202025	Solid	01/20/25 11:05	01/21/25 11:05
590-29066-9	RTA-001-N-S003-01202025	Solid	01/20/25 11:10	01/21/25 11:05
590-29066-15	PDW-002-N-S001-01202025	Solid	01/20/25 14:15	01/21/25 11:05
590-29066-16	PDW-002-N-S003-01202025	Solid	01/20/25 14:25	01/21/25 11:05
590-29066-24	PDW-001-N-S001-01202025	Solid	01/20/25 16:25	01/21/25 11:05
590-29066-25	PDW-001-N-S003-01202025	Solid	01/20/25 16:35	01/21/25 11:05
590-29066-26	PDW-001-FD-S003-01202025	Solid	01/20/25 16:40	01/21/25 11:05

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: RTA-002-N-S001-01202025 Lab Sample ID: 590-29066-2

Date Collected: 01/20/25 08:37 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	410	J	2000	97	mg/Kg			02/01/25 19:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.0		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: RTA-002-N-S003-01202025 Lab Sample ID: 590-29066-3

Date Collected: 01/20/25 08:49 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	350	J	2000	97	mg/Kg			02/01/25 19:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: RTA-001-N-S001-01202025 Lab Sample ID: 590-29066-8

Date Collected: 01/20/25 11:05 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2800		2000	97	mg/Kg			02/01/25 20:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: RTA-001-N-S003-01202025 Lab Sample ID: 590-29066-9

Date Collected: 01/20/25 11:10 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1100	J	2000	97	mg/Kg			02/01/25 20:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: PDW-002-N-S001-01202025 Lab Sample ID: 590-29066-15

Date Collected: 01/20/25 14:15 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5700		2000	97	mg/Kg			02/01/25 20:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: PDW-002-N-S003-01202025 Lab Sample ID: 590-29066-16

Date Collected: 01/20/25 14:25 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7800		2000	97	mg/Kg			02/01/25 20:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: PDW-001-N-S001-01202025 Lab Sample ID: 590-29066-24

Date Collected: 01/20/25 16:25 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1000	J	2000	97	mg/Kg			02/01/25 21:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: PDW-001-N-S003-01202025 Lab Sample ID: 590-29066-25

Date Collected: 01/20/25 16:35 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	300	J	2000	97	mg/Kg			02/01/25 21:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/23/25 11:16	1

Client Sample ID: PDW-001-FD-S003-01202025 Lab Sample ID: 590-29066-26

Date Collected: 01/20/25 16:40 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	360	J	2000	97	mg/Kg			02/01/25 21:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.1	0.1	SU			01/23/25 11:16	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method: 9045D - pH

Lab Sample ID: LCS 590-51963/1
Matrix: Solid
Analysis Batch: 51963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29066-26 DU
Matrix: Solid
Analysis Batch: 51963

Client Sample ID: PDW-001-FD-S003-01202025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.3			8.3		SU				0.6	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484055/3
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/01/25 14:30	1

Lab Sample ID: LCS 580-484055/4
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	327000		mg/Kg		102	80 - 120		

Lab Sample ID: LCSD 580-484055/5
Matrix: Solid
Analysis Batch: 484055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	326000		mg/Kg		102	80 - 120	0	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: RTA-002-N-S001-01202025
Lab Sample ID: 590-29066-2
Date Collected: 01/20/25 08:37
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.07 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.6000 mg	194.6000 mg	484055	02/01/25 19:13	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: RTA-002-N-S003-01202025
Lab Sample ID: 590-29066-3
Date Collected: 01/20/25 08:49
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.08 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.0000 mg	199.0000 mg	484055	02/01/25 19:28	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: RTA-001-N-S001-01202025
Lab Sample ID: 590-29066-8
Date Collected: 01/20/25 11:05
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.44 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	212.0000 mg	212.0000 mg	484055	02/01/25 20:13	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: RTA-001-N-S003-01202025
Lab Sample ID: 590-29066-9
Date Collected: 01/20/25 11:10
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.31 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	191.6000 mg	191.6000 mg	484055	02/01/25 20:28	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: PDW-002-N-S001-01202025
Lab Sample ID: 590-29066-15
Date Collected: 01/20/25 14:15
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.16 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	191.8000 mg	191.8000 mg	484055	02/01/25 20:43	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: PDW-002-N-S003-01202025
Lab Sample ID: 590-29066-16
Date Collected: 01/20/25 14:25
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.49 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.4000 mg	195.4000 mg	484055	02/01/25 20:58	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: PDW-001-N-S001-01202025
Lab Sample ID: 590-29066-24
Date Collected: 01/20/25 16:25
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.20 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.4000 mg	206.4000 mg	484055	02/01/25 21:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: PDW-001-N-S003-01202025
Lab Sample ID: 590-29066-25
Date Collected: 01/20/25 16:35
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.8000 mg	197.8000 mg	484055	02/01/25 21:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Client Sample ID: PDW-001-FD-S003-01202025
Lab Sample ID: 590-29066-26
Date Collected: 01/20/25 16:40
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.29 g	10.0 mL	51963	01/23/25 11:16	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.3000 mg	206.3000 mg	484055	02/01/25 21:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51934	01/21/25 17:06	AMB	EET SPK

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

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STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
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Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
RTA-002-N-S000-01202025	1/20/2025	8:25	Soil					X	2
RTA-002-N-S001-01202025		8.37			X	X	X		
RTA-002-N-S003-01202025		8:49			X	X	X		
RTA-002-N-S006-01202025		9:01						X	
RTA-002-N-S010-01202025		9:08						X	
RTA-002-N-S015-01202025		9:23						X	
RTA-001-N-S000-01202025		10:53						X	
RTA-001-N-S001-01202025		11:05			X	X	X		
RTA-001-N-S003-01202025		11 10			X	X	X		
RTA-001-N-S006-01202025		11:25						X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

2 4°c 2.8°c TK006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print GT Aspoka
Firm Haley & Aldrich	Firm Jerry Pave
Date 1/21/25 Time 11 00	Date 1/21/25 1605
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

590-29066 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

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Fax (509) 960-7447
Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
RTA-001-N-S010-01202025	1/20/2025	11.31	Soil												X	2
RTA-001-FD-S010-01202025		11:40													X	
RTA-001-N-S012-01202025		12.00													X	
PDW-002-N-S000-01202025		14.10													X	
PDW-002-N-S001-01202025		14 15			X	X	X									
PDW-002-N-S003-01202025		14:25			X	X	X									
PDW-002-N-S006-01202025		14:30													X	
PDW-002-N-S010-01202025		14:40													X	
PDW-002-N-S015-01202025		14:45													X	
PDW-002-N-S020-01202025		14 50													X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

2.4 c 2.8 c #2006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print Jorrey Pace
Firm Haley & Aldrich	Firm ESASpka
Date 1/21/25 Time 11 00	Date 1/21/25 1605

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
PDW-002-N-S025-01202025	1/20/2025	14.55	Soil												X	2
PDW-002-N-S029-01202025		15:00													X	
PDW-001-N-S000-01202025		16:20													X	
PDW-001-N-S001-01202025		16:25			X	X	X									
PDW-001-N-S003-01202025		16:35			X	X	X									
PDW-001-FD-S003-01202025		16:40			X	X	X								~~X~~	LL
PDW-001-N-S006-01202025		16:45													X	
PDW-001-N-S010-01202025		16.50													X	
PDW-001-N-S015-01202025		16.55													X	
PDW-001 N-S020-01202025		17:00													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

run sample

24°C 2.6°C

IL006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chuntas	Sign OSBH
Print Lindsay Chuntas	Print Jeremy Pace
Firm Haley & Aldrich	Firm CTEK Spokane
Date 1/24/25 Time 11 00	Date 1/24/25 1605
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
PDW-001-N-S025-01202025	1/20/2025	17:05	Soil					X	2
PDW-001-N-S030-01202025	"	17:10	"					X	"
PDW-001-N-S034-01202025	"	17:15	"					X	"

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

2.4°C 2.8°C Iced

Sampled and Relinquished by	Received by
Sign Lindsay Chuntas	Sign [illegible]
Print Lindsay Chuntas	Print [illegible] Pedic
Firm Haley & Aldrich	Firm [illegible] Eurofins
Date 1/21/25 Time 11 00	Date 1/21/25 1105
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

2/4/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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2/4/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10420.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29066-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RTA-002-N-S001-01202025 (590-29066-2)	1/20/25	08:37 Pacific	G	Solid			X		
RTA-002-N-S003-01202025 (590-29066-3)	1/20/25	08:49 Pacific	G	Solid			X		
RTA-001-N-S001-01202025 (590-29066-8)	1/20/25	11:05 Pacific	G	Solid			X		
RTA-001-N-S003-01202025 (590-29066-9)	1/20/25	11:10 Pacific	G	Solid			X		
PDW-002-N-S001-01202025 (590-29066-15)	1/20/25	14:15 Pacific	G	Solid			X		
PDW-002-N-S003-01202025 (590-29066-16)	1/20/25	14:25 Pacific	G	Solid			X		
PDW-001-N-S001-01202025 (590-29066-24)	1/20/25	16:25 Pacific	G	Solid			X		
PDW-001-N-S003-01202025 (590-29066-25)	1/20/25	16:35 Pacific	G	Solid			X		
PDW-001-FD-S003-01202025 (590-29066-26)	1/20/25	16:40 Pacific	G	Solid			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/22/25 1452	EET SPO	Brook Moore	1/23/25 930	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

IR11 2.3/3.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29066-1

Login Number: 29066
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	False	Refer to Job Narrative for details.
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29066-1

Login Number: 29066
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/23/25 04:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR11 2.3c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/6/2025 4:35:58 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29066-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

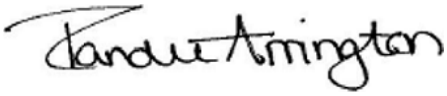
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/6/2025 4:35:58 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29066-3 Eurofins Spokane

Job Narrative
590-29066-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/21/2025 11:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: RTA-002-N-S000-01202025 (590-29066-1), RTA-002-N-S006-01202025 (590-29066-4), PDW-002-N-S000-01202025 (590-29066-14), PDW-002-N-S006-01202025 (590-29066-17) and PDW-001-N-S006-01202025 (590-29066-27).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client job activation: RTA-002-N-S000-01202025 (590-29066-1), RTA-002-N-S006-01202025 (590-29066-4), PDW-002-N-S000-01202025 (590-29066-14), PDW-002-N-S006-01202025 (590-29066-17) and PDW-001-N-S006-01202025 (590-29066-27).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29066-1	RTA-002-N-S000-01202025	Solid	01/20/25 08:25	01/21/25 11:05
590-29066-4	RTA-002-N-S006-01202025	Solid	01/20/25 09:01	01/21/25 11:05
590-29066-14	PDW-002-N-S000-01202025	Solid	01/20/25 14:10	01/21/25 11:05
590-29066-17	PDW-002-N-S006-01202025	Solid	01/20/25 14:30	01/21/25 11:05
590-29066-27	PDW-001-N-S006-01202025	Solid	01/20/25 16:45	01/21/25 11:05

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29066-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: RTA-002-N-S000-01202025 Lab Sample ID: 590-29066-1

Date Collected: 01/20/25 08:25 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1900	J H	2000	97	mg/Kg			03/04/25 18:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: RTA-002-N-S006-01202025 Lab Sample ID: 590-29066-4

Date Collected: 01/20/25 09:01 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	300	J H	2000	97	mg/Kg			03/04/25 18:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: PDW-002-N-S000-01202025 Lab Sample ID: 590-29066-14

Date Collected: 01/20/25 14:10 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	14000	H	2000	97	mg/Kg			03/04/25 18:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: PDW-002-N-S006-01202025 Lab Sample ID: 590-29066-17

Date Collected: 01/20/25 14:30 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1200	J H	2000	97	mg/Kg			03/04/25 19:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	H	0.1	0.1	SU			02/27/25 11:52	1

Client Sample ID: PDW-001-N-S006-01202025 Lab Sample ID: 590-29066-27

Date Collected: 01/20/25 16:45 **Matrix: Solid**
Date Received: 01/21/25 11:05

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	160	J H	2000	97	mg/Kg			03/04/25 19:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	H	0.1	0.1	SU			02/27/25 11:52	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52610/1
Matrix: Solid
Analysis Batch: 52610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486571/3
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 15:00	1

Lab Sample ID: LCS 580-486571/4
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	306000		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-486571/5
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	310000		mg/Kg		97	80 - 120	1	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: RTA-002-N-S000-01202025
Lab Sample ID: 590-29066-1
Date Collected: 01/20/25 08:25
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.46 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.6000 mg	200.6000 mg	486571	03/04/25 18:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: RTA-002-N-S006-01202025
Lab Sample ID: 590-29066-4
Date Collected: 01/20/25 09:01
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.43 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	211.3000 mg	211.3000 mg	486571	03/04/25 18:43	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: PDW-002-N-S000-01202025
Lab Sample ID: 590-29066-14
Date Collected: 01/20/25 14:10
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.40 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	202.4000 mg	202.4000 mg	486571	03/04/25 18:58	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:09	AMB	EET SPK

Client Sample ID: PDW-002-N-S006-01202025
Lab Sample ID: 590-29066-17
Date Collected: 01/20/25 14:30
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.19 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.3000 mg	200.3000 mg	486571	03/04/25 19:13	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:11	AMB	EET SPK

Client Sample ID: PDW-001-N-S006-01202025
Lab Sample ID: 590-29066-27
Date Collected: 01/20/25 16:45
Matrix: Solid
Date Received: 01/21/25 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.05 g	10 mL	52610	02/27/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.6000 mg	203.6000 mg	486571	03/04/25 19:28	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 16:11	AMB	EET SPK

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29066-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
RTA-002-N-S000-01202025	1/20/2025	8:25	Soil					X	2
RTA-002-N-S001-01202025		8.37			X	X	X		
RTA-002-N-S003-01202025		8:49			X	X	X		
RTA-002-N-S006-01202025		9:01						X	
RTA-002-N-S010-01202025		9:08						X	
RTA-002-N-S015-01202025		9:23						X	
RTA-001-N-S000-01202025		10:53						X	
RTA-001-N-S001-01202025		11:05			X	X	X		
RTA-001-N-S003-01202025		11 10			X	X	X		
RTA-001-N-S006-01202025		11:25						X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

2 4°c 2.8°c TK006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print GT Aspoka
Firm Haley & Aldrich	Firm Jerry Pave
Date 1/21/25 Time 11 00	Date 1/21/25 1605
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

590-29066 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
RTA-001-N-S010-01202025	1/20/2025	11.31	Soil												X	2
RTA-001-FD-S010-01202025		11:40													X	
RTA-001-N-S012-01202025		12.00													X	
PDW-002-N-S000-01202025		14.10													X	
PDW-002-N-S001-01202025		14 15			X	X	X									
PDW-002-N-S003-01202025		14:25			X	X	X									
PDW-002-N-S006-01202025		14:30													X	
PDW-002-N-S010-01202025		14:40													X	
PDW-002-N-S015-01202025		14:45													X	
PDW-002-N-S020-01202025		14 50													X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

2.4 c 2.8 c #2006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print Jason Pace
Firm Haley & Aldrich	Firm ESASpka
Date 1/21/25 Time 11 00	Date 1/21/25 1605
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Clear Glass		
Preservative		
Volume		

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
PDW-002-N-S025-01202025	1/20/2025	14.55	Soil												X	2
PDW-002-N-S029-01202025		15:00													X	
PDW-001-N-S000-01202025		16:20													X	
PDW-001-N-S001-01202025		16:25			X	X	X									
PDW-001-N-S003-01202025		16:35			X	X	X									
PDW-001-FD-S003-01202025		16:40			X	X	X								~~X~~	LL
PDW-001-N-S006-01202025		16:45													X	
PDW-001-N-S010-01202025		16.50													X	
PDW-001-N-S015-01202025		16.55													X	
PDW-001 N-S020-01202025		17:00													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

run sample

24°C 2.6°C

IL006

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chuntas	Sign OSBH
Print Lindsay Chuntas	Print Jeremy Pace
Firm Haley & Aldrich	Firm CTEK Spokane
Date 1/24/25 Time 11 00	Date 1/24/25 1605
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections·

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
PDW-001-N-S025-01202025	1/20/2025	17:05	Soil					X	2
PDW-001-N-S030-01202025	"	17:10	"					X	"
PDW-001-N-S034-01202025	"	17:15	"					X	"

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

2.4°C 2.8°C Iced

Sampled and Relinquished by	Received by
Sign Lindsay Chuntas	Sign [illegible]
Print Lindsay Chuntas	Print [illegible] Pedic
Firm Haley & Aldrich	Firm [illegible] Eurofins
Date 1/21/25 Time 11 00	Date 1/21/25 1105

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

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_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

3/6/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29066-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/2/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of Containers	Special Instructions/Note:
Preservation Code:									
RTA-002-N-S000-01202025 (590-29066-1)	1/20/25	08:25 Pacific	G	Solid			X		
RTA-002-N-S006-01202025 (590-29066-4)	1/20/25	09:01 Pacific	G	Solid			X		
PDW-002-N-S000-01202025 (590-29066-14)	1/20/25	14:10 Pacific	G	Solid			X		
PDW-002-N-S006-01202025 (590-29066-17)	1/20/25	14:30 Pacific	G	Solid			X		
PDW-001-N-S006-01202025 (590-29066-27)	1/20/25	16:45 Pacific	G	Solid			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/24/25 1600	GLSPO		2-25-25 1000	ETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29066-3

Login Number: 29066
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	False	Refer to Job Narrative for details.
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29066-3

Login Number: 29066
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/23/25 04:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR11 2.3c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29066-3

Login Number: 29066
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 2/5/2025 1:38:31 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29098-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

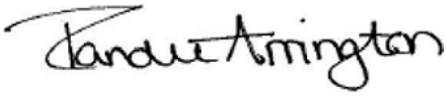
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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2/5/2025 1:38:31 PM

Authorized for release by
Randee Arrington, Business Unit Manager
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Job ID: 590-29098-1 Eurofins Spokane

Job Narrative
590-29098-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/22/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
<EXPLANATION_REQUIRED>

Did not receive any containers for this sample, but did receive 4 containers for sample FIT-003-N-S003-01212025. There is no way to differentiate the containers though.
FIT-003-N-S011-01212025 (590-29098-17)

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29098-2	FIT-002-N-S001-01212025	Solid	01/21/25 07:30	01/22/25 12:00
590-29098-3	FIT-002-N-S003-01212025	Solid	01/21/25 07:35	01/22/25 12:00
590-29098-8	FIT-001-N-S001-01212025	Solid	01/21/25 08:45	01/22/25 12:00
590-29098-9	FIT-001-N-S003-01212025	Solid	01/21/25 08:50	01/22/25 12:00
590-29098-10	FIT-001-FD-S003-01212025	Solid	01/21/25 09:20	01/22/25 12:00
590-29098-13	FIT-003-N-S001-01212025	Solid	01/21/25 09:40	01/22/25 12:00
590-29098-14	FIT-003-N-S003-01212025	Solid	01/21/25 09:45	01/22/25 12:00
590-29098-23	FIT-004-N-S001-01212025	Solid	01/21/25 11:05	01/22/25 12:00
590-29098-24	FIT-004-N-S003-01212025	Solid	01/21/25 11:10	01/22/25 12:00
590-29098-25	FIT-004-FD-S003-01212025	Solid	01/21/25 11:40	01/22/25 12:00
590-29098-31	SRA-003-N-S001-01212025	Solid	01/21/25 13:05	01/22/25 12:00
590-29098-32	SRA-003-N-S003-01212025	Solid	01/21/25 13:10	01/22/25 12:00
590-29098-37	SRA-004A-N-S001-01212025	Solid	01/21/25 14:05	01/22/25 12:00
590-29098-38	SRA-004A-FD-S001-01212025	Solid	01/21/25 14:35	01/22/25 12:00
590-29098-39	SRA-004A-N-S003-01212025	Solid	01/21/25 14:10	01/22/25 12:00
590-29098-45	SRA-006-N-S001-01212025	Solid	01/21/25 15:45	01/22/25 12:00

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: FIT-002-N-S001-01212025 — Lab Sample ID: 590-29098-2

Date Collected: 01/21/25 07:30 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1500	J	2000	97	mg/Kg			02/04/25 20:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-002-N-S003-01212025 — Lab Sample ID: 590-29098-3

Date Collected: 01/21/25 07:35 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	330	J	2000	97	mg/Kg			02/04/25 20:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-001-N-S001-01212025 — Lab Sample ID: 590-29098-8

Date Collected: 01/21/25 08:45 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2700		2000	97	mg/Kg			02/04/25 21:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-001-N-S003-01212025 — Lab Sample ID: 590-29098-9

Date Collected: 01/21/25 08:50 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1800	J	2000	97	mg/Kg			02/04/25 21:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-001-FD-S003-01212025 — Lab Sample ID: 590-29098-10

Date Collected: 01/21/25 09:20 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			02/04/25 21:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-003-N-S001-01212025 — Lab Sample ID: 590-29098-13

Date Collected: 01/21/25 09:40 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	600	J	2000	97	mg/Kg			02/04/25 22:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-003-N-S003-01212025 — Lab Sample ID: 590-29098-14

Date Collected: 01/21/25 09:45 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	290	J	2000	97	mg/Kg			02/04/25 22:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-004-N-S001-01212025 — Lab Sample ID: 590-29098-23

Date Collected: 01/21/25 11:05 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1400	J	2000	97	mg/Kg			02/04/25 22:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-004-N-S003-01212025 — Lab Sample ID: 590-29098-24

Date Collected: 01/21/25 11:10 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3500		2000	97	mg/Kg			02/04/25 22:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: FIT-004-FD-S003-01212025 — Lab Sample ID: 590-29098-25

Date Collected: 01/21/25 11:40 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2200		2000	97	mg/Kg			02/04/25 23:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: SRA-003-N-S001-01212025 — Lab Sample ID: 590-29098-31

Date Collected: 01/21/25 13:05 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	420	J	2000	97	mg/Kg			02/04/25 23:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: SRA-003-N-S003-01212025 — Lab Sample ID: 590-29098-32

Date Collected: 01/21/25 13:10 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	420	J	2000	97	mg/Kg			02/04/25 23:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: SRA-004A-N-S001-01212025 — Lab Sample ID: 590-29098-37

Date Collected: 01/21/25 14:05 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	9400		2000	97	mg/Kg			02/05/25 00:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: SRA-004A-FD-S001-01212025 — Lab Sample ID: 590-29098-38

Date Collected: 01/21/25 14:35 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3700		2000	97	mg/Kg			02/05/25 00:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/28/25 10:55	1

Client Sample ID: SRA-004A-N-S003-01212025 — Lab Sample ID: 590-29098-39

Date Collected: 01/21/25 14:10 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3300		2000	97	mg/Kg			02/05/25 00:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/28/25 10:55	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-006-N-S001-01212025
Lab Sample ID: 590-29098-45
Date Collected: 01/21/25 15:45
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	11000		2000	97	mg/Kg			02/05/25 01:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/28/25 10:55	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52026/1
Matrix: Solid
Analysis Batch: 52026

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29098-2 DU
Matrix: Solid
Analysis Batch: 52026

Client Sample ID: FIT-002-N-S001-01212025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.2			7.2		SU				0.3	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484251/3
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/04/25 18:21	1

Lab Sample ID: LCS 580-484251/4
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	325000		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 580-484251/5
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	319000		mg/Kg		100	80 - 120	2	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FIT-002-N-S001-01212025
Lab Sample ID: 590-29098-2
Date Collected: 01/21/25 07:30
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.06 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	213.4000 mg	213.4000 mg	484251	02/04/25 20:20	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-002-N-S003-01212025
Lab Sample ID: 590-29098-3
Date Collected: 01/21/25 07:35
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.30 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	207.2000 mg	207.2000 mg	484251	02/04/25 20:35	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-001-N-S001-01212025
Lab Sample ID: 590-29098-8
Date Collected: 01/21/25 08:45
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.85 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.6000 mg	195.6000 mg	484251	02/04/25 21:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-001-N-S003-01212025
Lab Sample ID: 590-29098-9
Date Collected: 01/21/25 08:50
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.41 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.3000 mg	194.3000 mg	484251	02/04/25 21:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-001-FD-S003-01212025
Lab Sample ID: 590-29098-10
Date Collected: 01/21/25 09:20
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.08 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	208.2000 mg	208.2000 mg	484251	02/04/25 21:49	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FIT-003-N-S001-01212025
Lab Sample ID: 590-29098-13
Date Collected: 01/21/25 09:40
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.59 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	221.7000 mg	221.7000 mg	484251	02/04/25 22:04	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-003-N-S003-01212025
Lab Sample ID: 590-29098-14
Date Collected: 01/21/25 09:45
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.19 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	218.0000 mg	218.0000 mg	484251	02/04/25 22:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-004-N-S001-01212025
Lab Sample ID: 590-29098-23
Date Collected: 01/21/25 11:05
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.25 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	216.5000 mg	216.5000 mg	484251	02/04/25 22:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-004-N-S003-01212025
Lab Sample ID: 590-29098-24
Date Collected: 01/21/25 11:10
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	220.0000 mg	220.0000 mg	484251	02/04/25 22:48	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: FIT-004-FD-S003-01212025
Lab Sample ID: 590-29098-25
Date Collected: 01/21/25 11:40
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.65 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	208.2000 mg	208.2000 mg	484251	02/04/25 23:04	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-003-N-S001-01212025
Lab Sample ID: 590-29098-31
Date Collected: 01/21/25 13:05
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.64 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	235.3000 mg	235.3000 mg	484251	02/04/25 23:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: SRA-003-N-S003-01212025
Lab Sample ID: 590-29098-32
Date Collected: 01/21/25 13:10
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.6000 mg	200.6000 mg	484251	02/04/25 23:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: SRA-004A-N-S001-01212025
Lab Sample ID: 590-29098-37
Date Collected: 01/21/25 14:05
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.53 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.9000 mg	200.9000 mg	484251	02/05/25 00:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: SRA-004A-FD-S001-01212025
Lab Sample ID: 590-29098-38
Date Collected: 01/21/25 14:35
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.27 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.4000 mg	201.4000 mg	484251	02/05/25 00:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Client Sample ID: SRA-004A-N-S003-01212025
Lab Sample ID: 590-29098-39
Date Collected: 01/21/25 14:10
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.3000 mg	200.3000 mg	484251	02/05/25 00:49	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-006-N-S001-01212025
Lab Sample ID: 590-29098-45
Date Collected: 01/21/25 15:45
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.38 g	10.0 mL	52026	01/28/25 10:55	RMA	EET SPK
Total/NA	Analysis	9060A		1	202.4000 mg	202.4000 mg	484251	02/05/25 01:04	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51993	01/27/25 09:56	MRV	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE
TURNAROUND TIME
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-002-N-S000-01212025	1/21/2025	0725	Soil				1
FIT-002-N-S001-01212025	1/21/2025	0730	Soil	X	X	X	1
FIT-002-N-S003-01212025	1/21/2025	0735	Soil	X	X	X	1
FIT-002-N-S006-01212025	1/21/2025	0740	Soil				1
FIT-002-N-S010-01212025	1/21/2025	0745	Soil				1
FIT-002-N-S015-01212025	1/21/2025	0750	Soil				1
FIT-001-N-S000-01212025	1/21/2025	0840	Soil				1
FIT-001-N-S001-01212025	1/21/2025	0845	Soil	X	X	X	1
FIT-001-N-S003-01212025	1/21/2025	4850	Soil	X	X	X	1
FIT-001-FD-S003-01212025	1/21/2025	0920	Soil	X	X	X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

40.4.4 con WP006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Costello Zack	Print Macky Mom
Firm HA	Firm EFSP
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

590-29098 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are ru

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
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Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-001-N-S005-01212025	1/21/2025	0855	Soil				1
FIT-003-N-S000-01212025	1/21/2025	0935	Soil				1
FIT-003-N-S001-01212025	1/21/2025	0940	Soil	X	X	X	1
FIT-003-N-S003-01212025	1/21/2025	0945	Soil	X	X	X	1
FIT-003-N-S006-01212025	1/21/2025	0950	Soil				1
FIT-003-N-S010-01212025	1/21/2025	0955	Soil				1
FIT-003-N-S011-01212025	1/21/2025	1000	Soil				1
FIT-007-N-S000-01212025	1/21/2025	1010	Soil				1
FIT-008-N-S000-01212025	1/21/2025	1030	Soil				1
FIT-006-N-S000-01212025	1/21/2025	1111	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

H.0.4.4 cor 1Rec0L

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo Lash	Print Marley Morris
Firm HA	Firm EET SPO
Date 01/22/25 Time 1700	Date 1/22/25 1700
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-005-N-S000-01212025	1/21/2025	1106	Soil				1
FIT-004-N-S000-01212024	1/21/2025	1100	Soil				1
FIT-004-N-S001-01212024	1/21/2025	1105	Soil	x	x	x	1
FIT-004-N-S003-01212024	1/21/2025	1110	Soil	x	x	x	1
FIT-004-FD-S003-01212024	1/21/2025	1140	Soil	x	x	x	1
FIT-004-N-S006-01212024	1/21/2025	1115	Soil				1
FIT-004-N-S010-01212024	1/21/2025	1120	Soil				1
FIT-004-N-S015-01212024	1/21/2025	1125	Soil				1
FIT-004-N-S016-01212024	1/21/2025	1130	Soil				1
SRA-003-N-S000-01212025	1/21/2025	1300	Soil				1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 corr 1R006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Cuthbertson	Print Macky Morris
Firm HA	Firm LEES PO
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

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Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-003-N-S001-01212025	1/21/2025	1305	Soil	X	X	X	1
SRA-003-N-S003-01212025	1/21/2025	1310	Soil	X	X	X	1
SRA-003-N-S006-01212025	1/21/2025	1315	Soil				1
SRA-003-N-S010-01212025	1/21/2025	1320	Soil				1
SRA-003-N-S012-01212025	1/21/2025	1325	Soil				1
SRA-004A-N-S000-01212025	1/21/2025	1400	Soil				1
SRA-004A-N-S001-01212025	1/21/2025	1405	Soil	X	X	X	1
SRA-004A-FD-S001-01212025	1/21/2025	1435	Soil	X	X	X	1
SRA-004A-N-S003-01212025	1/21/2025	1410	Soil	X	X	X	1
SRA-004A-N-S006-01212025	1/21/2025	1415	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con IR006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo	Print Marley Morris
Firm HA	Firm EUSC
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

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Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE			
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-004B-N-S000-01212025	1/21/2025	1450	Soil				1
SRA-007A-N-S006-01212025	1/21/2025	1505	Soil				1
SRA-007B-N-S000-01212025	1/21/2025	1515	Soil				1
SRA-006-N-S000-01212025	1/21/2025	1540	Soil				1
SRA-006-N-S001-01212025	1/21/2025	1545	Soil	X	X	X	1
SRA-006-N-S006-01212025	1/21/2025	1550	Soil				1
							1
							1
							1
							1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con 1Poole

Sampled and Relinquished by	Received by
Sign	Sign
Print Geeck Castillo	Print Macky Moore
Firm HA	Firm DELIVERED
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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2/5/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10439.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/4/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FIT-003-N-S003-01212025 (590-29098-14)	1/21/25	09:45 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/27/25 1400	DGSW		1-28-25 755	ETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10438.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/4/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FIT-004-N-S001-01212025 (590-29098-23)	1/21/25	11:05 Pacific	G	Solid			X	1	
FIT-004-N-S003-01212025 (590-29098-24)	1/21/25	11:10 Pacific	G	Solid			X	1	
FIT-004-FD-S003-01212025 (590-29098-25)	1/21/25	11:40 Pacific	G	Solid			X	1	
SRA-003-N-S001-01212025 (590-29098-31)	1/21/25	13:05 Pacific	G	Solid			X	1	
SRA-003-N-S003-01212025 (590-29098-32)	1/21/25	13:10 Pacific	G	Solid			X	1	
SRA-004A-N-S001-01212025 (590-29098-37)	1/21/25	14:05 Pacific	G	Solid			X	1	
SRA-004A-FD-S001-01212025 (590-29098-38)	1/21/25	14:35 Pacific	G	Solid			X	1	
SRA-004A-N-S003-01212025 (590-29098-39)	1/21/25	14:10 Pacific	G	Solid			X	1	
SRA-006-N-S001-01212025 (590-29098-45)	1/21/25	15:45 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/27/25 1400	EES580		1-28-25 755	EEtn
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Ver: 10/10/2024

2/5/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/5/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/4/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FIT-002-N-S001-01212025 (590-29098-2)	1/21/25	07:30 Pacific	G	Solid			X	1	
FIT-002-N-S003-01212025 (590-29098-3)	1/21/25	07:35 Pacific	G	Solid			X	1	
FIT-001-N-S001-01212025 (590-29098-8)	1/21/25	08:45 Pacific	G	Solid			X	1	
FIT-001-N-S003-01212025 (590-29098-9)	1/21/25	08:50 Pacific	G	Solid			X	1	
FIT-001-FD-S003-01212025 (590-29098-10)	1/21/25	09:20 Pacific	G	Solid			X	1	
FIT-003-N-S001-01212025 (590-29098-13)	1/21/25	09:40 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/27/25 1400	ET SB		1-28-25 755	ETSB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-1

Login Number: 29098

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-1

Login Number: 29098
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 01:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 0.6c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/6/2025 5:09:04 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29098-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

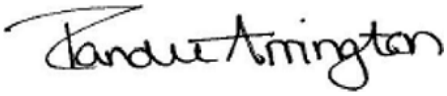
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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3/6/2025 5:09:04 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29098-3 Eurofins Spokane

Job Narrative
590-29098-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/22/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: FIT-002-N-S000-01212025 (590-29098-1), FIT-002-N-S006-01212025 (590-29098-4), FIT-001-N-S000-01212025 (590-29098-7), FIT-001-N-S005-01212025 (590-29098-11), FIT-003-N-S000-01212025 (590-29098-12), FIT-007-N-S000-01212025 (590-29098-18), FIT-008-N-S000-01212025 (590-29098-19), FIT-006-N-S000-01212025 (590-29098-20), FIT-005-N-S000-01212025 (590-29098-21), FIT-004-N-S000-01212025 (590-29098-22), SRA-003-N-S006-01212025 (590-29098-33), SRA-004A-N-S000-01212025 (590-29098-36), SRA-004A-N-S006-01212025 (590-29098-40), SRA-004B-N-S000-01212025 (590-29098-41), SRA-007A-N-S006-01212025 (590-29098-42), SRA-007B-N-S000-01212025 (590-29098-43) and SRA-006-N-S000-01212025 (590-29098-44).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client job activation: FIT-002-N-S000-01212025 (590-29098-1), FIT-002-N-S006-01212025 (590-29098-4), FIT-001-N-S000-01212025 (590-29098-7), FIT-001-N-S005-01212025 (590-29098-11), FIT-003-N-S000-01212025 (590-29098-12), FIT-007-N-S000-01212025 (590-29098-18) and FIT-008-N-S000-01212025 (590-29098-19).

Method 9060A: The following samples were analyzed outside of analytical holding time due to client job activation: FIT-006-N-S000-01212025 (590-29098-20) and FIT-004-N-S000-01212025 (590-29098-22).

Method 9060A: The following samples were analyzed outside of analytical holding time due to client job activation: FIT-002-N-S000-01212025 (590-29098-1), FIT-002-N-S006-01212025 (590-29098-4), FIT-001-N-S000-01212025 (590-29098-7), FIT-001-N-S005-01212025 (590-29098-11) and SRA-003-N-S000-01212025 (590-29098-30).

Method 9060A: The following samples were analyzed outside of analytical holding time due to client job activation: FIT-003-N-S000-01212025 (590-29098-12), FIT-007-N-S000-01212025 (590-29098-18), FIT-008-N-S000-01212025 (590-29098-19), FIT-005-N-S000-01212025 (590-29098-21), SRA-003-N-S006-01212025 (590-29098-33), SRA-004A-N-S000-01212025 (590-29098-36), SRA-004A-N-S006-01212025 (590-29098-40), SRA-004B-N-S000-01212025 (590-29098-41), SRA-007A-N-S006-01212025 (590-29098-42), SRA-007B-N-S000-01212025 (590-29098-43) and SRA-006-N-S000-01212025 (590-29098-44).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29098-1	FIT-002-N-S000-01212025	Solid	01/21/25 07:25	01/22/25 12:00
590-29098-4	FIT-002-N-S006-01212025	Solid	01/21/25 07:40	01/22/25 12:00
590-29098-7	FIT-001-N-S000-01212025	Solid	01/21/25 08:40	01/22/25 12:00
590-29098-11	FIT-001-N-S005-01212025	Solid	01/21/25 08:55	01/22/25 12:00
590-29098-12	FIT-003-N-S000-01212025	Solid	01/21/25 09:35	01/22/25 12:00
590-29098-18	FIT-007-N-S000-01212025	Solid	01/21/25 10:10	01/22/25 12:00
590-29098-19	FIT-008-N-S000-01212025	Solid	01/21/25 10:30	01/22/25 12:00
590-29098-20	FIT-006-N-S000-01212025	Solid	01/21/25 11:11	01/22/25 12:00
590-29098-21	FIT-005-N-S000-01212025	Solid	01/21/25 11:06	01/22/25 12:00
590-29098-22	FIT-004-N-S000-01212025	Solid	01/21/25 11:00	01/22/25 12:00
590-29098-30	SRA-003-N-S000-01212025	Solid	01/21/25 13:00	01/22/25 12:00
590-29098-33	SRA-003-N-S006-01212025	Solid	01/21/25 13:15	01/22/25 12:00
590-29098-36	SRA-004A-N-S000-01212025	Solid	01/21/25 14:00	01/22/25 12:00
590-29098-40	SRA-004A-N-S006-01212025	Solid	01/21/25 14:15	01/22/25 12:00
590-29098-41	SRA-004B-N-S000-01212025	Solid	01/21/25 14:50	01/22/25 12:00
590-29098-42	SRA-007A-N-S006-01212025	Solid	01/21/25 15:05	01/22/25 12:00
590-29098-43	SRA-007B-N-S000-01212025	Solid	01/21/25 15:15	01/22/25 12:00
590-29098-44	SRA-006-N-S000-01212025	Solid	01/21/25 15:40	01/22/25 12:00

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: FIT-002-N-S000-01212025
Lab Sample ID: 590-29098-1
Date Collected: 01/21/25 07:25
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2900	H	2000	97	mg/Kg			03/05/25 02:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.6	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-002-N-S006-01212025
Lab Sample ID: 590-29098-4
Date Collected: 01/21/25 07:40
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	450	J H	2000	97	mg/Kg			03/05/25 03:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.8	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-001-N-S000-01212025
Lab Sample ID: 590-29098-7
Date Collected: 01/21/25 08:40
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3800	H	2000	97	mg/Kg			03/05/25 03:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.0	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-001-N-S005-01212025
Lab Sample ID: 590-29098-11
Date Collected: 01/21/25 08:55
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	750	J H	2000	97	mg/Kg			03/05/25 03:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-003-N-S000-01212025
Lab Sample ID: 590-29098-12
Date Collected: 01/21/25 09:35
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1400	J H	2000	97	mg/Kg			03/05/25 17:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-007-N-S000-01212025 — Lab Sample ID: 590-29098-18

Date Collected: 01/21/25 10:10 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1600	J H	2000	97	mg/Kg			03/05/25 18:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-008-N-S000-01212025 — Lab Sample ID: 590-29098-19

Date Collected: 01/21/25 10:30 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2300	H	2000	97	mg/Kg			03/05/25 18:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	H	0.1	0.1	SU			02/28/25 11:22	1

Client Sample ID: FIT-006-N-S000-01212025 — Lab Sample ID: 590-29098-20

Date Collected: 01/21/25 11:11 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	HF			SU			02/27/25 20:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2300	H	2000	97	mg/Kg			03/04/25 21:59	1

Client Sample ID: FIT-005-N-S000-01212025 — Lab Sample ID: 590-29098-21

Date Collected: 01/21/25 11:06 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	HF			SU			03/04/25 18:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	500	J H	2000	97	mg/Kg			03/05/25 19:09	1

Client Sample ID: FIT-004-N-S000-01212025 — Lab Sample ID: 590-29098-22

Date Collected: 01/21/25 11:00 — **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.1	HF			SU			02/27/25 20:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3100	H	2000	97	mg/Kg			03/04/25 22:14	1

Client Sample ID: SRA-003-N-S000-01212025
Lab Sample ID: 590-29098-30
Date Collected: 01/21/25 13:00
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/27/25 20:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3300	H	2000	97	mg/Kg			03/05/25 10:51	1

Client Sample ID: SRA-003-N-S006-01212025
Lab Sample ID: 590-29098-33
Date Collected: 01/21/25 13:15
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6	HF			SU			02/27/25 20:18	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	480	J H	2000	97	mg/Kg			03/05/25 11:06	1

Client Sample ID: SRA-004A-N-S000-01212025
Lab Sample ID: 590-29098-36
Date Collected: 01/21/25 14:00
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4	HF			SU			02/27/25 20:20	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4500	H	2000	97	mg/Kg			03/05/25 11:21	1

Client Sample ID: SRA-004A-N-S006-01212025
Lab Sample ID: 590-29098-40
Date Collected: 01/21/25 14:15
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6	HF			SU			02/27/25 20:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3100	H	2000	97	mg/Kg			03/05/25 11:36	1

Client Sample ID: SRA-004B-N-S000-01212025
Lab Sample ID: 590-29098-41
Date Collected: 01/21/25 14:50
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0	HF			SU			02/27/25 20:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	37000	H	2000	97	mg/Kg			03/05/25 11:51	1

Client Sample ID: SRA-007A-N-S006-01212025 Lab Sample ID: 590-29098-42

Date Collected: 01/21/25 15:05 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF			SU			02/27/25 20:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1600	J H	2000	97	mg/Kg			03/05/25 12:36	1

Client Sample ID: SRA-007B-N-S000-01212025 Lab Sample ID: 590-29098-43

Date Collected: 01/21/25 15:15 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	HF			SU			02/27/25 20:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	19000	H	2000	97	mg/Kg			03/05/25 12:51	1

Client Sample ID: SRA-006-N-S000-01212025 Lab Sample ID: 590-29098-44

Date Collected: 01/21/25 15:40 **Matrix: Solid**
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9	HF			SU			02/27/25 20:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	18000	H	2000	97	mg/Kg			03/05/25 20:54	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52635/1
Matrix: Solid
Analysis Batch: 52635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486571/3
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 15:00	1

Lab Sample ID: LCS 580-486571/4
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	306000		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-486571/5
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	310000		mg/Kg		97	80 - 120	1	20

Lab Sample ID: MB 580-486627/3
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 23:33	1

Lab Sample ID: LCS 580-486627/4
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	298000		mg/Kg		93	80 - 120		

Lab Sample ID: LCSD 580-486627/5
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	311000		mg/Kg		97	80 - 120	4	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 580-486650/3
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/05/25 15:33	1

Lab Sample ID: LCS 580-486650/4
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	335000		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 580-486650/5
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	293000		mg/Kg		91	80 - 120	14	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FIT-002-N-S000-01212025
Lab Sample ID: 590-29098-1
Date Collected: 01/21/25 07:25
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.5000 mg	198.5000 mg	486627	03/05/25 02:46	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-002-N-S006-01212025
Lab Sample ID: 590-29098-4
Date Collected: 01/21/25 07:40
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.37 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	215.5000 mg	215.5000 mg	486627	03/05/25 03:01	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-001-N-S000-01212025
Lab Sample ID: 590-29098-7
Date Collected: 01/21/25 08:40
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.23 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.5000 mg	195.5000 mg	486627	03/05/25 03:16	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-001-N-S005-01212025
Lab Sample ID: 590-29098-11
Date Collected: 01/21/25 08:55
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.02 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.9000 mg	197.9000 mg	486627	03/05/25 03:31	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-003-N-S000-01212025
Lab Sample ID: 590-29098-12
Date Collected: 01/21/25 09:35
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.0000 mg	198.0000 mg	486650	03/05/25 17:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FIT-007-N-S000-01212025
Lab Sample ID: 590-29098-18
Date Collected: 01/21/25 10:10
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.05 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	212.2000 mg	212.2000 mg	486650	03/05/25 18:10	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-008-N-S000-01212025
Lab Sample ID: 590-29098-19
Date Collected: 01/21/25 10:30
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.22 g	10 mL	52635	02/28/25 11:22	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.3000 mg	203.3000 mg	486650	03/05/25 18:54	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52532	02/24/25 15:44	AMB	EET SPK

Client Sample ID: FIT-006-N-S000-01212025
Lab Sample ID: 590-29098-20
Date Collected: 01/21/25 11:11
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:12	FCG	EET SEA
Total/NA	Analysis	9060A		1	201.8000 mg	201.8000 mg	486571	03/04/25 21:59	FCG	EET SEA

Client Sample ID: FIT-005-N-S000-01212025
Lab Sample ID: 590-29098-21
Date Collected: 01/21/25 11:06
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486581	03/05/25 10:59	B1M	EET SEA
Total/NA	Analysis	9045D		1			486521	03/04/25 18:11	CSS	EET SEA
Total/NA	Analysis	9060A		1	198.6000 mg	198.6000 mg	486650	03/05/25 19:09	FCG	EET SEA

Client Sample ID: FIT-004-N-S000-01212025
Lab Sample ID: 590-29098-22
Date Collected: 01/21/25 11:00
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:14	FCG	EET SEA
Total/NA	Analysis	9060A		1	201.3000 mg	201.3000 mg	486571	03/04/25 22:14	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-003-N-S000-01212025
Lab Sample ID: 590-29098-30
Date Collected: 01/21/25 13:00
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:16	FCG	EET SEA
Total/NA	Analysis	9060A		1	199.6000 mg	199.6000 mg	486627	03/05/25 10:51	FCG	EET SEA

Client Sample ID: SRA-003-N-S006-01212025
Lab Sample ID: 590-29098-33
Date Collected: 01/21/25 13:15
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:18	FCG	EET SEA
Total/NA	Analysis	9060A		1	200.8000 mg	200.8000 mg	486627	03/05/25 11:06	FCG	EET SEA

Client Sample ID: SRA-004A-N-S000-01212025
Lab Sample ID: 590-29098-36
Date Collected: 01/21/25 14:00
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:20	FCG	EET SEA
Total/NA	Analysis	9060A		1	203.2000 mg	203.2000 mg	486627	03/05/25 11:21	FCG	EET SEA

Client Sample ID: SRA-004A-N-S006-01212025
Lab Sample ID: 590-29098-40
Date Collected: 01/21/25 14:15
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:22	FCG	EET SEA
Total/NA	Analysis	9060A		1	202.5000 mg	202.5000 mg	486627	03/05/25 11:36	FCG	EET SEA

Client Sample ID: SRA-004B-N-S000-01212025
Lab Sample ID: 590-29098-41
Date Collected: 01/21/25 14:50
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:24	FCG	EET SEA
Total/NA	Analysis	9060A		1	202.0000 mg	202.0000 mg	486627	03/05/25 11:51	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-007A-N-S006-01212025
Lab Sample ID: 590-29098-42
Date Collected: 01/21/25 15:05
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:26	FCG	EET SEA
Total/NA	Analysis	9060A		1	201.4000 mg	201.4000 mg	486627	03/05/25 12:36	FCG	EET SEA

Client Sample ID: SRA-007B-N-S000-01212025
Lab Sample ID: 590-29098-43
Date Collected: 01/21/25 15:15
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:28	FCG	EET SEA
Total/NA	Analysis	9060A		1	201.2000 mg	201.2000 mg	486627	03/05/25 12:51	FCG	EET SEA

Client Sample ID: SRA-006-N-S000-01212025
Lab Sample ID: 590-29098-44
Date Collected: 01/21/25 15:40
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:29	FCG	EET SEA
Total/NA	Analysis	9060A		1	198.5000 mg	198.5000 mg	486650	03/05/25 20:54	FCG	EET SEA

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	EET SEA
9045D	pH	SW846	EET SEA
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-002-N-S000-01212025	1/21/2025	0725	Soil				1
FIT-002-N-S001-01212025	1/21/2025	0730	Soil	X	X	X	1
FIT-002-N-S003-01212025	1/21/2025	0735	Soil	X	X	X	1
FIT-002-N-S006-01212025	1/21/2025	0740	Soil				1
FIT-002-N-S010-01212025	1/21/2025	0745	Soil				1
FIT-002-N-S015-01212025	1/21/2025	0750	Soil				1
FIT-001-N-S000-01212025	1/21/2025	0840	Soil				1
FIT-001-N-S001-01212025	1/21/2025	0845	Soil	X	X	X	1
FIT-001-N-S003-01212025	1/21/2025	4850	Soil	X	X	X	1
FIT-001-FD-S003-01212025	1/21/2025	0920	Soil	X	X	X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

40.4.4 con WP006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Costello	Print Macky Mom
Firm HA	Firm EFSP
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29098 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are ru

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-001-N-S005-01212025	1/21/2025	0855	Soil				1
FIT-003-N-S000-01212025	1/21/2025	0935	Soil				1
FIT-003-N-S001-01212025	1/21/2025	0940	Soil	X	X	X	1
FIT-003-N-S003-01212025	1/21/2025	0945	Soil	X	X	X	1
FIT-003-N-S006-01212025	1/21/2025	0950	Soil				1
FIT-003-N-S010-01212025	1/21/2025	0955	Soil				1
FIT-003-N-S011-01212025	1/21/2025	1000	Soil				1
FIT-007-N-S000-01212025	1/21/2025	1010	Soil				1
FIT-008-N-S000-01212025	1/21/2025	1030	Soil				1
FIT-006-N-S000-01212025	1/21/2025	1111	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

H.0,4,4 cor 1Kcole

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Costello Nash	Print Marley Morris
Firm HA	Firm ECS
Date 01/22/25 Time 1700	Date 1/22/25 1700
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-005-N-S000-01212025	1/21/2025	1106	Soil				1
FIT-004-N-S000-01212024	1/21/2025	1100	Soil				1
FIT-004-N-S001-01212024	1/21/2025	1105	Soil	x	x	x	1
FIT-004-N-S003-01212024	1/21/2025	1110	Soil	x	x	x	1
FIT-004-FD-S003-01212024	1/21/2025	1140	Soil	x	x	x	1
FIT-004-N-S006-01212024	1/21/2025	1115	Soil				1
FIT-004-N-S010-01212024	1/21/2025	1120	Soil				1
FIT-004-N-S015-01212024	1/21/2025	1125	Soil				1
FIT-004-N-S016-01212024	1/21/2025	1130	Soil				1
SRA-003-N-S000-01212025	1/21/2025	1300	Soil				1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 corr 1R006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Cuthbertson	Print Macky Morris
Firm HA	Firm LEES 80
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-003-N-S001-01212025	1/21/2025	1305	Soil	X	X	X	1
SRA-003-N-S003-01212025	1/21/2025	1310	Soil	X	X	X	1
SRA-003-N-S006-01212025	1/21/2025	1315	Soil				1
SRA-003-N-S010-01212025	1/21/2025	1320	Soil				1
SRA-003-N-S012-01212025	1/21/2025	1325	Soil				1
SRA-004A-N-S000-01212025	1/21/2025	1400	Soil				1
SRA-004A-N-S001-01212025	1/21/2025	1405	Soil	X	X	X	1
SRA-004A-FD-S001-01212025	1/21/2025	1435	Soil	X	X	X	1
SRA-004A-N-S003-01212025	1/21/2025	1410	Soil	X	X	X	1
SRA-004A-N-S006-01212025	1/21/2025	1415	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con IR006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo	Print Marley Morris
Firm HA	Firm EUSC
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

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Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE
TURNAROUND TIME
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-004B-N-S000-01212025	1/21/2025	1450	Soil				1
SRA-007A-N-S006-01212025	1/21/2025	1505	Soil				1
SRA-007B-N-S000-01212025	1/21/2025	1515	Soil				1
SRA-006-N-S000-01212025	1/21/2025	1540	Soil				1
SRA-006-N-S001-01212025	1/21/2025	1545	Soil	X	X	X	1
SRA-006-N-S006-01212025	1/21/2025	1550	Soil				1
							1
							1
							1
							1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con 1Poole

Sampled and Relinquished by	Received by
Sign	Sign
Print Geck Castillo	Print Macky Moore
Firm HA	Firm DELIVERED
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

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_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of Containers	Special Instructions/Note:
Preservation Code:											
FIT-006-N-S000-01212025 (590-29098-20)	1/21/25	11:11 Pacific	G	Solid			X	X	X	1	
FIT-005-N-S000-01212025 (590-29098-21)	1/21/25	11:06 Pacific	G	Solid			X			1	
FIT-004-N-S000-01212025 (590-29098-22)	1/21/25	11:00 Pacific	G	Solid			X	X	X	1	
SRA-003-N-S000-01212025 (590-29098-30)	1/21/25	13:00 Pacific	G	Solid			X	X	X	1	
SRA-003-N-S006-01212025 (590-29098-33)	1/21/25	13:15 Pacific	G	Solid			X	X	X	1	
SRA-004A-N-S000-01212025 (590-29098-36)	1/21/25	14:00 Pacific	G	Solid			X	X	X	1	
SRA-004A-N-S006-01212025 (590-29098-40)	1/21/25	14:15 Pacific	G	Solid			X	X	X	1	
SRA-004B-N-S000-01212025 (590-29098-41)	1/21/25	14:50 Pacific	G	Solid			X	X	X	1	
SRA-007A-N-S006-01212025 (590-29098-42)	1/21/25	15:05 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/24/25 1600	LEECSPO	[signature]	2-25-25 1000	[illegible]
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-3
Address: 5755 8th Street East,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SRA-007B-N-S000-01212025 (590-29098-43)	1/21/25	15:15 Pacific	G	Solid			X	X	X	1	
SRA-006-N-S000-01212025 (590-29098-44)	1/21/25	15:40 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/24/25 1600	~~ETS~~ PO		2-25-25 1000	EEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-3

Login Number: 29098
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-3

Login Number: 29098
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 01:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 0.6c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-3

Login Number: 29098
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/21/2025 4:29:54 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29098-4

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

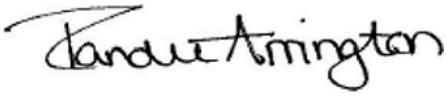
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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3/21/2025 4:29:54 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29098-4 Eurofins Spokane

Job Narrative
590-29098-4

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/22/2025 12:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The following samples were activated by the client on 03/10/25: FIT-002-N-S010-01212025 (590-29098-5), SRA-003-N-S010-01212025 (590-29098-34) and SRA-006-N-S006-01212025 (590-29098-46).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client activation: SRA-003-N-S010-01212025 (590-29098-34) and SRA-006-N-S006-01212025 (590-29098-46).

Method 9045D: The reference method does not list a specific holding time for this procedure; therefore, the laboratory defaults to an in-house holding time of midnight of the date of receipt. The following sample was prepared and/or analyzed outside this time period: FIT-002-N-S010-01212025 (590-29098-5).

Method 9060A_DW: The following samples were analyzed outside of analytical holding time due to job being activated out of hold per client's request: FIT-002-N-S010-01212025 (590-29098-5), SRA-003-N-S010-01212025 (590-29098-34) and SRA-006-N-S006-01212025 (590-29098-46).

Method 9060A_DW: The following samples were analyzed in duplicate: FIT-002-N-S010-01212025 (590-29098-5) and SRA-003-N-S010-01212025 (590-29098-34). The RPD between the two replicates was > 10%. Non-homogeneity and nature of the sample matrix were suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-4
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29098-5	FIT-002-N-S010-01212025	Solid	01/21/25 07:45	01/22/25 12:00
590-29098-34	SRA-003-N-S010-01212025	Solid	01/21/25 13:20	01/22/25 12:00
590-29098-46	SRA-006-N-S006-01212025	Solid	01/21/25 15:50	01/22/25 12:00

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29098-4
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: FIT-002-N-S010-01212025
Lab Sample ID: 590-29098-5
Date Collected: 01/21/25 07:45
Matrix: Solid
Date Received: 01/22/25 12:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.01	0.01	S.U.			03/14/25 20:57	1

Client Sample ID: FIT-002-N-S010-01212025
Lab Sample ID: 590-29098-5
Date Collected: 01/21/25 07:45
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 84.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	380	J H	590	340	mg/Kg	☼	03/17/25 16:59	03/18/25 15:16	1

Client Sample ID: SRA-003-N-S010-01212025
Lab Sample ID: 590-29098-34
Date Collected: 01/21/25 13:20
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 93.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	340	J H	540	310	mg/Kg	☼	03/17/25 16:59	03/18/25 15:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	H	0.1	0.1	SU			03/19/25 13:02	1

Client Sample ID: SRA-006-N-S006-01212025
Lab Sample ID: 590-29098-46
Date Collected: 01/21/25 15:50
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 84.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	670	H	590	340	mg/Kg	☼	03/17/25 16:59	03/18/25 16:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	H	0.1	0.1	SU			03/19/25 13:02	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52969/1
Matrix: Solid
Analysis Batch: 52969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-546046/1-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 546046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	290	mg/Kg		03/17/25 16:59	03/18/25 13:13	1

Lab Sample ID: LCS 570-546046/3-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	24700	23700		mg/Kg		96	78 - 110

Lab Sample ID: LCSD 570-546046/5-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	24800	24000		mg/Kg		97	78 - 110	1	16

Lab Sample ID: 590-29098-5 MS
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: FIT-002-N-S010-01212025
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	380	J H	29200	27900		mg/Kg	☼	94	75 - 125

Lab Sample ID: 590-29098-5 MSD
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: FIT-002-N-S010-01212025
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	380	J H	29200	28100		mg/Kg	☼	95	75 - 125	1	25

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-4
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FIT-002-N-S010-01212025
Lab Sample ID: 590-29098-5
Date Collected: 01/21/25 07:45
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Leach	DI Leach			20.02 g	20 mL	545321	03/14/25 20:31	JXO4	EET CAL 4
Total/NA	Analysis	9045D		1	20 mL	20 mL	545326	03/14/25 20:57	JXO4	EET CAL 4
Total/NA	Analysis	Moisture		1			547245	03/19/25 18:16	TP6R	EET CAL 4

Client Sample ID: FIT-002-N-S010-01212025
Lab Sample ID: 590-29098-5
Date Collected: 01/21/25 07:45
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	205.1000 mg	205.1000 mg	546817	03/18/25 15:16	U8XP	EET CAL 4

Client Sample ID: SRA-003-N-S010-01212025
Lab Sample ID: 590-29098-34
Date Collected: 01/21/25 13:20
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10 mL	52969	03/19/25 13:02	RMA	EET SPK
Total/NA	Analysis	Moisture		1			52890	03/14/25 17:06	NMI	EET SPK

Client Sample ID: SRA-003-N-S010-01212025
Lab Sample ID: 590-29098-34
Date Collected: 01/21/25 13:20
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	201.6000 mg	201.6000 mg	546817	03/18/25 15:41	U8XP	EET CAL 4

Client Sample ID: SRA-006-N-S006-01212025
Lab Sample ID: 590-29098-46
Date Collected: 01/21/25 15:50
Matrix: Solid
Date Received: 01/22/25 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.11 g	10 mL	52969	03/19/25 13:02	RMA	EET SPK
Total/NA	Analysis	Moisture		1			52890	03/14/25 17:06	NMI	EET SPK

Client Sample ID: SRA-006-N-S006-01212025
Lab Sample ID: 590-29098-46
Date Collected: 01/21/25 15:50
Matrix: Solid
Date Received: 01/22/25 12:00
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	201.6000 mg	201.6000 mg	546817	03/18/25 16:06	U8XP	EET CAL 4

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Geiger Field PFAS Support/0209800-001

Job ID: 590-29098-4

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-4
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA001112025-8	02-28-26
Washington	State	C916	10-11-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29098-4
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET CAL 4
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET CAL 4
Moisture	Percent Moisture	EPA	EET CAL 4
Moisture	Percent Moisture	EPA	EET SPK
DI Leach	Deionized Water Leaching Procedure	ASTM	EET CAL 4
TOC	Preparation, TOC (Solid)	SW846	EET CAL 4

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-002-N-S000-01212025	1/21/2025	0725	Soil				1
FIT-002-N-S001-01212025	1/21/2025	0730	Soil	X	X	X	1
FIT-002-N-S003-01212025	1/21/2025	0735	Soil	X	X	X	1
FIT-002-N-S006-01212025	1/21/2025	0740	Soil				1
FIT-002-N-S010-01212025	1/21/2025	0745	Soil				1
FIT-002-N-S015-01212025	1/21/2025	0750	Soil				1
FIT-001-N-S000-01212025	1/21/2025	0840	Soil				1
FIT-001-N-S001-01212025	1/21/2025	0845	Soil	X	X	X	1
FIT-001-N-S003-01212025	1/21/2025	4850	Soil	X	X	X	1
FIT-001-FD-S003-01212025	1/21/2025	0920	Soil	X	X	X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

40.4.4 con WP006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Costello	Print Macky Mom
Firm HA	Firm EST SPO
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29098 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are ru

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

3/21/2025

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-001-N-S005-01212025	1/21/2025	0855	Soil				1
FIT-003-N-S000-01212025	1/21/2025	0935	Soil				1
FIT-003-N-S001-01212025	1/21/2025	0940	Soil	X	X	X	1
FIT-003-N-S003-01212025	1/21/2025	0945	Soil	X	X	X	1
FIT-003-N-S006-01212025	1/21/2025	0950	Soil				1
FIT-003-N-S010-01212025	1/21/2025	0955	Soil				1
FIT-003-N-S011-01212025	1/21/2025	1000	Soil				1
FIT-007-N-S000-01212025	1/21/2025	1010	Soil				1
FIT-008-N-S000-01212025	1/21/2025	1030	Soil				1
FIT-006-N-S000-01212025	1/21/2025	1111	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

4.0, 4.4 cor 1Rec0L

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Costello Nash	Print Marley Morris
Firm HA	Firm ECS/SPO
Date 01/22/25 Time 1700	Date 1/22/25 1700
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
FIT-005-N-S000-01212025	1/21/2025	1106	Soil				1
FIT-004-N-S000-01212024	1/21/2025	1100	Soil				1
FIT-004-N-S001-01212024	1/21/2025	1105	Soil	x	x	x	1
FIT-004-N-S003-01212024	1/21/2025	1110	Soil	x	x	x	1
FIT-004-FD-S003-01212024	1/21/2025	1140	Soil	x	x	x	1
FIT-004-N-S006-01212024	1/21/2025	1115	Soil				1
FIT-004-N-S010-01212024	1/21/2025	1120	Soil				1
FIT-004-N-S015-01212024	1/21/2025	1125	Soil				1
FIT-004-N-S016-01212024	1/21/2025	1130	Soil				1
SRA-003-N-S000-01212025	1/21/2025	1300	Soil				1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 corr 1R006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Cuthbertson	Print Macky Morris
Firm HA	Firm LEES 80
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-003-N-S001-01212025	1/21/2025	1305	Soil	X	X	X	1
SRA-003-N-S003-01212025	1/21/2025	1310	Soil	X	X	X	1
SRA-003-N-S006-01212025	1/21/2025	1315	Soil				1
SRA-003-N-S010-01212025	1/21/2025	1320	Soil				1
SRA-003-N-S012-01212025	1/21/2025	1325	Soil				1
SRA-004A-N-S000-01212025	1/21/2025	1400	Soil				1
SRA-004A-N-S001-01212025	1/21/2025	1405	Soil	X	X	X	1
SRA-004A-FD-S001-01212025	1/21/2025	1435	Soil	X	X	X	1
SRA-004A-N-S003-01212025	1/21/2025	1410	Soil	X	X	X	1
SRA-004A-N-S006-01212025	1/21/2025	1415	Soil				1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con IR006

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo	Print Marley Morris
Firm HA	Firm EUSC
Date 01/22/25 Time 1200	Date 1/22/25 1200
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE
TURNAROUND TIME
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	Number of Containers
SRA-004B-N-S000-01212025	1/21/2025	1450	Soil				1
SRA-007A-N-S006-01212025	1/21/2025	1505	Soil				1
SRA-007B-N-S000-01212025	1/21/2025	1515	Soil				1
SRA-006-N-S000-01212025	1/21/2025	1540	Soil				1
SRA-006-N-S001-01212025	1/21/2025	1545	Soil	X	X	X	1
SRA-006-N-S006-01212025	1/21/2025	1550	Soil				1
							1
							1
							1
							1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

4.0, 4.4 con 1Poole

Sampled and Relinquished by	Received by
Sign	Sign
Print Cecil Castillo	Print Macky Moore
Firm HA	Firm DELIVERED
Date 01/22/25 Time 1200	Date 1/22/25 1200

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are re

Required Reporting Limits and Data Quality Objectives

☐ RC-S1	☐ S1	☐ GW1
☐ RC-S2	☐ S2	☐ GW2
☐ RC-GW1	☐ S3	☐ GW3
☐ RC-GW2		

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10673.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 590-29098-4
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 3/24/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Loc: 590
29098

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A_DW/TOC_S_Prep Total Organic Carbon (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FIT-002-N-S010-01212025 (590-29098-5)	1/21/25	07:45 Pacific	G	Solid			X	1	activated out of hold
SRA-003-N-S010-01212025 (590-29098-34)	1/21/25	13:20 Pacific	G	Solid			X	1	activated out of hold
SRA-006-N-S006-01212025 (590-29098-46)	1/21/25	15:50 Pacific	G	Solid			X	1	activated out of hold

590-29098 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 3/11/25 1506	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3.13.25 900	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.4 [illegible]

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-4

Login Number: 29098
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29098-4

Login Number: 29098
List Number: 4
Creator: Arellano, Cyndy

List Source: Eurofins Calscience
List Creation: 03/13/25 04:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 2/6/2025 4:34:48 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29123-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

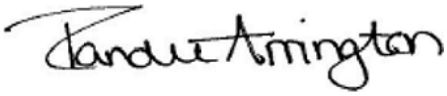
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
2/6/2025 4:34:48 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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QC Sample Results 11
Chronicle 13
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Method Summary 18
Chain of Custody 19
Receipt Checklists 25

Job ID: 590-29123-1 Eurofins Spokane

Job Narrative
590-29123-1

Receipt
The samples were received on 1/23/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.8º C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: SRA-010-N-S015-01222025 (590-29123-16).

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29123-2	SRA-005-N-S001-01222025	Solid	01/22/25 07:50	01/23/25 14:35
590-29123-3	SRA-005-N-S003-01222025	Solid	01/22/25 07:55	01/23/25 14:35
590-29123-9	SRA-009-N-S000-01222025	Solid	01/22/25 08:45	01/23/25 14:35
590-29123-11	SRA-010-N-S001-01222025	Solid	01/22/25 09:15	01/23/25 14:35
590-29123-12	SRA-010-N-S003-01222025	Solid	01/22/25 09:20	01/23/25 14:35
590-29123-13	SRA-010-FD-S003-01222025	Solid	01/22/25 09:50	01/23/25 14:35
590-29123-18	SRA-011-N-S001-01222025	Solid	01/22/25 10:15	01/23/25 14:35
590-29123-19	SRA-011-N-S003-01222025	Solid	01/22/25 10:20	01/23/25 14:35
590-29123-24	SRA-008-N-S001-012220025	Solid	01/22/25 11:20	01/23/25 14:35
590-29123-25	SRA-008-FD-S001-01222025	Solid	01/22/25 11:50	01/23/25 14:35
590-29123-26	SRA-008-N-S003-01222025	Solid	01/22/25 11:25	01/23/25 14:35
590-29123-28	SRA-001-N-S001-01222025	Solid	01/22/25 13:05	01/23/25 14:35
590-29123-29	SRA-001-N-S003-01222025	Solid	01/22/25 13:10	01/23/25 14:35
590-29123-32	HFH-001-N-S001-01222025	Solid	01/22/25 14:50	01/23/25 14:35
590-29123-33	HFH-001-N-S003-01222025	Solid	01/22/25 14:55	01/23/25 14:35
590-29123-34	HFH-001-FD-S003-01222025	Solid	01/22/25 15:25	01/23/25 14:35
590-29123-36	SRA-002-N-S000-01222025	Solid	01/22/25 11:45	01/23/25 14:35
590-29123-37	TRP-001-N-S000-01222025	Solid	01/22/25 12:35	01/23/25 14:35
590-29123-38	TRP-002-N-S000-01222025	Solid	01/22/25 12:55	01/23/25 14:35
590-29123-39	HFH-006-N-S-000-01222025	Solid	01/22/25 15:05	01/23/25 14:35

Definitions/Glossary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: SRA-005-N-S001-01222025 Lab Sample ID: 590-29123-2

Date Collected: 01/22/25 07:50 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2300		2000	97	mg/Kg			02/05/25 01:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-005-N-S003-01222025 Lab Sample ID: 590-29123-3

Date Collected: 01/22/25 07:55 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4700		2000	97	mg/Kg			02/05/25 01:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-009-N-S000-01222025 Lab Sample ID: 590-29123-9

Date Collected: 01/22/25 08:45 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1200	J F2	2000	97	mg/Kg			02/05/25 18:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-010-N-S001-01222025 Lab Sample ID: 590-29123-11

Date Collected: 01/22/25 09:15 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2900		2000	97	mg/Kg			02/05/25 19:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-010-N-S003-01222025 Lab Sample ID: 590-29123-12

Date Collected: 01/22/25 09:20 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1800	J	2000	97	mg/Kg			02/05/25 20:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-010-FD-S003-01222025 Lab Sample ID: 590-29123-13

Date Collected: 01/22/25 09:50 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1600	J	2000	97	mg/Kg			02/05/25 20:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-011-N-S001-01222025 Lab Sample ID: 590-29123-18

Date Collected: 01/22/25 10:15 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3600		2000	97	mg/Kg			02/05/25 23:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-011-N-S003-01222025 Lab Sample ID: 590-29123-19

Date Collected: 01/22/25 10:20 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			02/05/25 23:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-008-N-S001-012220025 Lab Sample ID: 590-29123-24

Date Collected: 01/22/25 11:20 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2600		2000	97	mg/Kg			02/05/25 23:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-008-FD-S001-01222025 Lab Sample ID: 590-29123-25

Date Collected: 01/22/25 11:50 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2900		2000	97	mg/Kg			02/06/25 00:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-008-N-S003-01222025 Lab Sample ID: 590-29123-26

Date Collected: 01/22/25 11:25 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2000		2000	97	mg/Kg			02/06/25 00:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-001-N-S001-01222025 Lab Sample ID: 590-29123-28

Date Collected: 01/22/25 13:05 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4900		2000	97	mg/Kg			02/06/25 00:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.4		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-001-N-S003-01222025 Lab Sample ID: 590-29123-29

Date Collected: 01/22/25 13:10 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	680	J	2000	97	mg/Kg			02/06/25 00:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: HFH-001-N-S001-01222025 Lab Sample ID: 590-29123-32

Date Collected: 01/22/25 14:50 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3600		2000	97	mg/Kg			02/06/25 01:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: HFH-001-N-S003-01222025 Lab Sample ID: 590-29123-33

Date Collected: 01/22/25 14:55 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	680	J	2000	97	mg/Kg			02/06/25 01:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.4		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: HFH-001-FD-S003-01222025 Lab Sample ID: 590-29123-34

Date Collected: 01/22/25 15:25 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	860	J	2000	97	mg/Kg			02/06/25 01:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: SRA-002-N-S000-01222025 Lab Sample ID: 590-29123-36

Date Collected: 01/22/25 11:45 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	14000		2000	97	mg/Kg			02/06/25 02:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: TRP-001-N-S000-01222025 Lab Sample ID: 590-29123-37

Date Collected: 01/22/25 12:35 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			02/06/25 02:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: TRP-002-N-S000-01222025 Lab Sample ID: 590-29123-38

Date Collected: 01/22/25 12:55 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3200		2000	97	mg/Kg			02/06/25 02:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7		0.1	0.1	SU			01/29/25 11:52	1

Client Sample ID: HFH-006-N-S-000-01222025 Lab Sample ID: 590-29123-39

Date Collected: 01/22/25 15:05 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8400		2000	97	mg/Kg			02/06/25 03:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/29/25 11:52	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52045/1
Matrix: Solid
Analysis Batch: 52045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29123-2 DU
Matrix: Solid
Analysis Batch: 52045

Client Sample ID: SRA-005-N-S001-01222025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.5			7.5		SU				0.3	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484251/3
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/04/25 18:21	1

Lab Sample ID: LCS 580-484251/4
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	325000		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 580-484251/5
Matrix: Solid
Analysis Batch: 484251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	319000		mg/Kg		100	80 - 120	2	20

Lab Sample ID: MB 580-484340/3
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/05/25 18:10	1

Lab Sample ID: LCS 580-484340/4
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	323000		mg/Kg		101	80 - 120		

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 580-484340/5
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	328000		mg/Kg		103	80 - 120	2	20

Lab Sample ID: 590-29123-9 MS
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: SRA-009-N-S000-01222025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	1200	J F2	96100	100000		mg/Kg		103	75 - 125		

Lab Sample ID: 590-29123-9 MSD
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: SRA-009-N-S000-01222025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	1200	J F2	197000	148000	F2	mg/Kg		75	75 - 125	39	20

Lab Sample ID: 590-29123-9 DU
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: SRA-009-N-S000-01222025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	1200	J F2		930	J F5	mg/Kg				25	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-005-N-S001-01222025
Lab Sample ID: 590-29123-2
Date Collected: 01/22/25 07:50
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.69 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.3000 mg	201.3000 mg	484251	02/05/25 01:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-005-N-S003-01222025
Lab Sample ID: 590-29123-3
Date Collected: 01/22/25 07:55
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.35 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	209.9000 mg	209.9000 mg	484251	02/05/25 01:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-009-N-S000-01222025
Lab Sample ID: 590-29123-9
Date Collected: 01/22/25 08:45
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.39 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	219.2000 mg	219.2000 mg	484340	02/05/25 18:55	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-010-N-S001-01222025
Lab Sample ID: 590-29123-11
Date Collected: 01/22/25 09:15
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.22 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	232.4000 mg	232.4000 mg	484340	02/05/25 19:54	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-010-N-S003-01222025
Lab Sample ID: 590-29123-12
Date Collected: 01/22/25 09:20
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.0000 mg	206.0000 mg	484340	02/05/25 20:09	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-010-FD-S003-01222025
Lab Sample ID: 590-29123-13
Date Collected: 01/22/25 09:50
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.21 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.1000 mg	197.1000 mg	484340	02/05/25 20:24	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-011-N-S001-01222025
Lab Sample ID: 590-29123-18
Date Collected: 01/22/25 10:15
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.48 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.4000 mg	200.4000 mg	484340	02/05/25 23:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-011-N-S003-01222025
Lab Sample ID: 590-29123-19
Date Collected: 01/22/25 10:20
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.66 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.4000 mg	194.4000 mg	484340	02/05/25 23:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-008-N-S001-012220025
Lab Sample ID: 590-29123-24
Date Collected: 01/22/25 11:20
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.44 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	224.4000 mg	224.4000 mg	484340	02/05/25 23:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-008-FD-S001-01222025
Lab Sample ID: 590-29123-25
Date Collected: 01/22/25 11:50
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.66 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	215.1000 mg	215.1000 mg	484340	02/06/25 00:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-008-N-S003-01222025
Lab Sample ID: 590-29123-26
Date Collected: 01/22/25 11:25
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.68 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.2000 mg	196.2000 mg	484340	02/06/25 00:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-001-N-S001-01222025
Lab Sample ID: 590-29123-28
Date Collected: 01/22/25 13:05
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.31 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	211.6000 mg	211.6000 mg	484340	02/06/25 00:35	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-001-N-S003-01222025
Lab Sample ID: 590-29123-29
Date Collected: 01/22/25 13:10
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.07 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	207.6000 mg	207.6000 mg	484340	02/06/25 00:50	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-001-N-S001-01222025
Lab Sample ID: 590-29123-32
Date Collected: 01/22/25 14:50
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	220.2000 mg	220.2000 mg	484340	02/06/25 01:05	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-001-N-S003-01222025
Lab Sample ID: 590-29123-33
Date Collected: 01/22/25 14:55
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.38 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.7000 mg	204.7000 mg	484340	02/06/25 01:20	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc. Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-001-FD-S003-01222025 Lab Sample ID: 590-29123-34

Date Collected: 01/22/25 15:25 **Matrix: Solid**
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.7000 mg	199.7000 mg	484340	02/06/25 01:35	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: SRA-002-N-S000-01222025 Lab Sample ID: 590-29123-36

Date Collected: 01/22/25 11:45 **Matrix: Solid**
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.36 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	190.8000 mg	190.8000 mg	484340	02/06/25 02:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: TRP-001-N-S000-01222025 Lab Sample ID: 590-29123-37

Date Collected: 01/22/25 12:35 **Matrix: Solid**
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.22 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.7000 mg	196.7000 mg	484340	02/06/25 02:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: TRP-002-N-S000-01222025 Lab Sample ID: 590-29123-38

Date Collected: 01/22/25 12:55 **Matrix: Solid**
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.6000 mg	204.6000 mg	484340	02/06/25 02:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-006-N-S-000-01222025 Lab Sample ID: 590-29123-39

Date Collected: 01/22/25 15:05 **Matrix: Solid**
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.11 g	10.0 mL	52045	01/29/25 11:52	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.1000 mg	206.1000 mg	484340	02/06/25 03:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310
EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

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Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-005-N-S000-01222025	1/22/2025	7·45	Soil					X	1
SRA-005-N-S001-01222025		7 50			X	X	X		
SRA-005-N-S003-01222025		7 55			X	X	X		
SRA-005-N-S006-01222025		8 00						X	
SRA-005-N-S010-01222025		8 05						X	
SRA-005-N-S015-01222025		8 10						X	
SRA-005-N-S017-01222025		8 15						X	
SRA-005-FD-S017-01222025		8 20						X	
SRA-009-N-S000-01222025		8·45			X	X	X		
SRA-010-N-S000-01222025		9 10						X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

590-29123 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign Rudy Chuntas	Sign
Print Lindsay Chuntas	Print Mcalister
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/23/25 1435
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	
VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID	
VOA Vial	
Amber Glass	5-4 5-8
Clear Glass	1 1
Preservative	
Volume	100g

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

2/6/2025

HALEY ALDRICH

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505 W Riverside Ave.,
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Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No. (Add 5's LWP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
SRA-010-N-001-01222025	1/22/2025	9 15	Soil		X	X	X									1
SRA-010-N-003-01222025		9·20			X	X	X									
SRA-010-FD-003-01222025		9 50			X	X	X									
SRA-010-N-006-01222025		9 25													X	
SRA-010-N-010-01222025		9·30													X	
SRA-010-N-015-01222025		9 35													X	
SRA-011-N-000-01222025		10 10													X	
SRA-011-N-001-01222025		10 15			X	X	X									
SRA-011-N-003-01222025		10 20			X	X	X									
SRA-011-N-006-01222025		10·25													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chutas	Sign
Print Lindsay Chutas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 0911 35	Date 1/23/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID	
		VOA Vial
		Amber Glass
		Plastic Bottle
		Clear Glass
		Preservative
	1435 5.4, 5.8 R006	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
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Page 3 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE			
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No. (Add SS DUP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-011-N-010-01222025	1/22/2025	10 30	Soil					X	1
SRA-011-N-014-01222025		10 35						X	
SRA-008-N-000-01222025		11 15						X	
SRA-008-N-001-01222025		11 20			X	X	X		
SRA-008-FD-001-01222025		11 50			X	X	X		
SRA-008-N-003-01222025		11 25			X	X	X		
SRA-001-N-000-01222025		13 00						X	
SRA-001-N-001-01222025		13 05			X	X	X		
SRA-001-N-003-01222025		13 10			X	X	X		
SRA-001-N-006-01222025		13 15						X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print Lindsay Chuntas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 1435	Date 1/23/25 1435
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

5M, 5-8
1R000

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

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Page 4 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-001-N-S000-01222025	1/22/2025	14.45	Soil					X	1
HFH-001-N-S001-01222025		14 50			X	X	X		
HFH-001-N-S003-01222025		14 55			X	X	X		
HFH-001-FD-S003-01222025		15 25			X	X	X		
HFH-001-N-S006-01222025		15 00						X	
SRA-002-N-S000-01222025		11:45			X	X	X		
TRP-001-N-S000-01222025		12 35			X	X	X		
TRP-002-N-S000-01222025		12 55			X	X	X		
HFH-006-N-S000-01222025		15 05			X	X	X		

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print Lindsay Chutas	Print
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/27/25

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
14 35	5.4, 5.8	1R006		

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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2/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/5/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SRA-005-N-S001-01222025 (590-29123-2)	1/22/25	07:50 Pacific	G	Solid			X	1	
SRA-005-N-S003-01222025 (590-29123-3)	1/22/25	07:55 Pacific	G	Solid			X	1	
SRA-009-N-S000-01222025 (590-29123-9)	1/22/25	08:45 Pacific	G	Solid			X	1	
SRA-010-N-S001-01222025 (590-29123-11)	1/22/25	09:15 Pacific	G	Solid			X	1	
SRA-010-N-S003-01222025 (590-29123-12)	1/22/25	09:20 Pacific	G	Solid			X	1	
SRA-010-FD-S003-01222025 (590-29123-13)	1/22/25	09:50 Pacific	G	Solid			X	1	
SRA-011-N-S001-01222025 (590-29123-18)	1/22/25	10:15 Pacific	G	Solid			X	1	
SRA-011-N-S003-01222025 (590-29123-19)	1/22/25	10:20 Pacific	G	Solid			X	1	
SRA-008-N-S001-012220025 (590-29123-24)	1/22/25	11:20 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/27/25 1400	ET-SPO		1-28-25 755	ET-SPO
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/5/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SRA-008-FD-S001-01222025 (590-29123-25)	1/22/25	11:50 Pacific	G	Solid			X	1	
SRA-008-N-S003-01222025 (590-29123-26)	1/22/25	11:25 Pacific	G	Solid			X	1	
SRA-001-N-S001-01222025 (590-29123-28)	1/22/25	13:05 Pacific	G	Solid			X	1	
SRA-001-N-S003-01222025 (590-29123-29)	1/22/25	13:10 Pacific	G	Solid			X	1	
HFH-001-N-S001-01222025 (590-29123-32)	1/22/25	14:50 Pacific	G	Solid			X	1	
HFH-001-N-S003-01222025 (590-29123-33)	1/22/25	14:55 Pacific	G	Solid			X	1	
HFH-001-FD-S003-01222025 (590-29123-34)	1/22/25	15:25 Pacific	G	Solid			X	1	
SRA-002-N-S000-01222025 (590-29123-36)	1/22/25	11:45 Pacific	G	Solid			X	1	
TRP-001-N-S000-01222025 (590-29123-37)	1/22/25	12:35 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/22/25 1400	ET SLO		1-28-25 755	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1215 0.6/0.6

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-1

Login Number: 29123
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-1

Login Number: 29123
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 01:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 0.6c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/7/2025 2:30:09 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29123-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

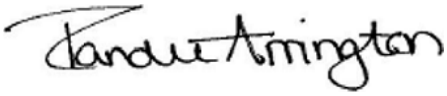
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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3/7/2025 2:30:09 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29123-3 Eurofins Spokane

Job Narrative
590-29123-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/23/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: SRA-005-N-S000-01222025 (590-29123-1), SRA-010-N-S000-01222025 (590-29123-10), SRA-010-N-S006-01222025 (590-29123-14), SRA-011-N-S000-01222025 (590-29123-17), SRA-011-N-S006-01222025 (590-29123-20), SRA-008-N-S000-01222025 (590-29123-23), SRA-001-N-S000-01222025 (590-29123-27), SRA-001-N-S006-01222025 (590-29123-30), HFH-001-N-S000-01222025 (590-29123-31) and HFH-001-N-S006-01222025 (590-29123-35).

General Chemistry
Method 9060A: The following samples were activated outside of holding time: SRA-005-N-S000-01222025 (590-29123-1), SRA-001-N-S000-01222025 (590-29123-27), SRA-001-N-S006-01222025 (590-29123-30) and HFH-001-N-S000-01222025 (590-29123-31).

Method 9060A: The following samples were activated outside of holding time: SRA-010-N-S000-01222025 (590-29123-10), SRA-010-N-S006-01222025 (590-29123-14), SRA-011-N-S000-01222025 (590-29123-17), SRA-011-N-S006-01222025 (590-29123-20), SRA-008-N-S000-01222025 (590-29123-23) and HFH-001-N-S006-01222025 (590-29123-35).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29123-1	SRA-005-N-S000-01222025	Solid	01/22/25 07:45	01/23/25 14:35
590-29123-10	SRA-010-N-S000-01222025	Solid	01/22/25 09:10	01/23/25 14:35
590-29123-14	SRA-010-N-S006-01222025	Solid	01/22/25 09:25	01/23/25 14:35
590-29123-17	SRA-011-N-S000-01222025	Solid	01/22/25 10:10	01/23/25 14:35
590-29123-20	SRA-011-N-S006-01222025	Solid	01/22/25 10:25	01/23/25 14:35
590-29123-23	SRA-008-N-S000-01222025	Solid	01/22/25 11:15	01/23/25 14:35
590-29123-27	SRA-001-N-S000-01222025	Solid	01/22/25 13:00	01/23/25 14:35
590-29123-30	SRA-001-N-S006-01222025	Solid	01/22/25 13:15	01/23/25 14:35
590-29123-31	HFH-001-N-S000-01222025	Solid	01/22/25 14:45	01/23/25 14:35
590-29123-35	HFH-001-N-S006-01222025	Solid	01/22/25 15:00	01/23/25 14:35

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: SRA-005-N-S000-01222025 — Lab Sample ID: 590-29123-1

Date Collected: 01/22/25 07:45 — **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	HF			SU			02/27/25 20:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5400	H	2000	97	mg/Kg			03/04/25 20:59	1

Client Sample ID: SRA-010-N-S000-01222025 — Lab Sample ID: 590-29123-10

Date Collected: 01/22/25 09:10 — **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9	HF			SU			02/27/25 20:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2400	H	2000	97	mg/Kg			03/06/25 21:08	1

Client Sample ID: SRA-010-N-S006-01222025 — Lab Sample ID: 590-29123-14

Date Collected: 01/22/25 09:25 — **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	HF			SU			02/27/25 20:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2700	H	2000	97	mg/Kg			03/06/25 21:24	1

Client Sample ID: SRA-011-N-S000-01222025 — Lab Sample ID: 590-29123-17

Date Collected: 01/22/25 10:10 — **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.2	HF			SU			02/27/25 20:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7700	H	2000	97	mg/Kg			03/06/25 21:39	1

Client Sample ID: SRA-011-N-S006-01222025 — Lab Sample ID: 590-29123-20

Date Collected: 01/22/25 10:25 — **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/27/25 20:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	740	J H	2000	97	mg/Kg			03/06/25 22:24	1

Client Sample ID: SRA-008-N-S000-01222025 Lab Sample ID: 590-29123-23

Date Collected: 01/22/25 11:15 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	HF			SU			02/27/25 20:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8100	H	2000	97	mg/Kg			03/06/25 22:39	1

Client Sample ID: SRA-001-N-S000-01222025 Lab Sample ID: 590-29123-27

Date Collected: 01/22/25 13:00 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	HF			SU			02/27/25 20:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	11000	H	2000	97	mg/Kg			03/04/25 21:14	1

Client Sample ID: SRA-001-N-S006-01222025 Lab Sample ID: 590-29123-30

Date Collected: 01/22/25 13:15 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/27/25 20:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	370	J H	2000	97	mg/Kg			03/04/25 21:29	1

Client Sample ID: HFH-001-N-S000-01222025 Lab Sample ID: 590-29123-31

Date Collected: 01/22/25 14:45 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/27/25 20:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	9600	H	2000	97	mg/Kg			03/04/25 21:44	1

Client Sample ID: HFH-001-N-S006-01222025 Lab Sample ID: 590-29123-35

Date Collected: 01/22/25 15:00 **Matrix: Solid**
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	HF			SU			02/27/25 20:56	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	360	J H	2000	97	mg/Kg			03/06/25 22:54	1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486571/3
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 15:00	1

Lab Sample ID: LCS 580-486571/4
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	306000		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-486571/5
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	310000		mg/Kg		97	80 - 120	1	20

Lab Sample ID: MB 580-486764/3
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 16:21	1

Lab Sample ID: LCS 580-486764/4
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	303000		mg/Kg		95	80 - 120		

Lab Sample ID: LCSD 580-486764/5
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	297000		mg/Kg		93	80 - 120	2	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-005-N-S000-01222025
Lab Sample ID: 590-29123-1
Date Collected: 01/22/25 07:45
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:39	FCG	EET SEA
Total/NA	Analysis	9060A		1	198.1000 mg	198.1000 mg	486571	03/04/25 20:59	FCG	EET SEA

Client Sample ID: SRA-010-N-S000-01222025
Lab Sample ID: 590-29123-10
Date Collected: 01/22/25 09:10
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:41	FCG	EET SEA
Total/NA	Analysis	9060A		1	205.7000 mg	205.7000 mg	486764	03/06/25 21:08	FCG	EET SEA

Client Sample ID: SRA-010-N-S006-01222025
Lab Sample ID: 590-29123-14
Date Collected: 01/22/25 09:25
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:43	FCG	EET SEA
Total/NA	Analysis	9060A		1	195.7000 mg	195.7000 mg	486764	03/06/25 21:24	FCG	EET SEA

Client Sample ID: SRA-011-N-S000-01222025
Lab Sample ID: 590-29123-17
Date Collected: 01/22/25 10:10
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:45	FCG	EET SEA
Total/NA	Analysis	9060A		1	195.6000 mg	195.6000 mg	486764	03/06/25 21:39	FCG	EET SEA

Client Sample ID: SRA-011-N-S006-01222025
Lab Sample ID: 590-29123-20
Date Collected: 01/22/25 10:25
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486140	02/28/25 11:16	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:47	FCG	EET SEA
Total/NA	Analysis	9060A		1	202.0000 mg	202.0000 mg	486764	03/06/25 22:24	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-008-N-S000-01222025
Lab Sample ID: 590-29123-23
Date Collected: 01/22/25 11:15
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:48	FCG	EET SEA
Total/NA	Analysis	9060A		1	194.9000 mg	194.9000 mg	486764	03/06/25 22:39	FCG	EET SEA

Client Sample ID: SRA-001-N-S000-01222025
Lab Sample ID: 590-29123-27
Date Collected: 01/22/25 13:00
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:50	FCG	EET SEA
Total/NA	Analysis	9060A		1	208.9000 mg	208.9000 mg	486571	03/04/25 21:14	FCG	EET SEA

Client Sample ID: SRA-001-N-S006-01222025
Lab Sample ID: 590-29123-30
Date Collected: 01/22/25 13:15
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:52	FCG	EET SEA
Total/NA	Analysis	9060A		1	199.1000 mg	199.1000 mg	486571	03/04/25 21:29	FCG	EET SEA

Client Sample ID: HFH-001-N-S000-01222025
Lab Sample ID: 590-29123-31
Date Collected: 01/22/25 14:45
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:54	FCG	EET SEA
Total/NA	Analysis	9060A		1	212.1000 mg	212.1000 mg	486571	03/04/25 21:44	FCG	EET SEA

Client Sample ID: HFH-001-N-S006-01222025
Lab Sample ID: 590-29123-35
Date Collected: 01/22/25 15:00
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:56	FCG	EET SEA
Total/NA	Analysis	9060A		1	204.0000 mg	204.0000 mg	486764	03/06/25 22:54	FCG	EET SEA

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	EET SEA
9045D	pH	SW846	EET SEA
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

HALEY ALDRICH

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Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-005-N-S000-01222025	1/22/2025	7·45	Soil					X	1
SRA-005-N-S001-01222025		7 50			X	X	X		
SRA-005-N-S003-01222025		7 55			X	X	X		
SRA-005-N-S006-01222025		8 00						X	
SRA-005-N-S010-01222025		8 05						X	
SRA-005-N-S015-01222025		8 10						X	
SRA-005-N-S017-01222025		8 15						X	
SRA-005-FD-S017-01222025		8 20						X	
SRA-009-N-S000-01222025		8·45			X	X	X		
SRA-010-N-S000-01222025		9 10						X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

590-29123 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign Rudy Chuntas	Sign
Print Lindsay Chuntas	Print Mcalister
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/23/25 1435
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

5-4 5-8 1000b

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

3/7/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

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Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No. (Add 5's LWP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
SRA-010-N-001-01222025	1/22/2025	9 15	Soil		X	X	X									1
SRA-010-N-003-01222025		9·20			X	X	X									
SRA-010-FD-003-01222025		9 50			X	X	X									
SRA-010-N-006-01222025		9 25													X	
SRA-010-N-010-01222025		9·30													X	
SRA-010-N-015-01222025		9 35													X	
SRA-011-N-000-01222025		10 10													X	
SRA-011-N-001-01222025		10 15			X	X	X									
SRA-011-N-003-01222025		10 20			X	X	X									
SRA-011-N-006-01222025		10·25													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chutas	Sign
Print Lindsay Chutas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 0911 35	Date 1/23/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID	
		VOA Vial
		Amber Glass
		Plastic Bottle
		Clear Glass
		Preservative
	1435 5.4, 5.8 R006	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

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Page 3 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE			
TURNAROUND TIME			
PROJECT MANAGER	Breeyn Greer		

Sample No. (Add SS DUP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-011-N-010-01222025	1/22/2025	10 30	Soil					X	1
SRA-011-N-014-01222025		10 35						X	
SRA-008-N-000-01222025		11 15						X	
SRA-008-N-001-01222025		11 20			X	X	X		
SRA-008-FD-001-01222025		11 50			X	X	X		
SRA-008-N-003-01222025		11 25			X	X	X		
SRA-001-N-000-01222025		13 00						X	
SRA-001-N-001-01222025		13 05			X	X	X		
SRA-001-N-003-01222025		13 10			X	X	X		
SRA-001-N-006-01222025		13 15						X	

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print Lindsay Chuntas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 1435	Date 1/23/25 1435
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

5M, 5-8
1R006

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

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Page 4 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	Analysis Requested: PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-001-N-S000-01222025	1/22/2025	14.45	Soil					X	1
HFH-001-N-S001-01222025		14 50			X	X	X		
HFH-001-N-S003-01222025		14 55			X	X	X		
HFH-001-FD-S003-01222025		15 25			X	X	X		
HFH-001-N-S006-01222025		15 00						X	
SRA-002-N-S000-01222025		11:45			X	X	X		
TRP-001-N-S000-01222025		12 35			X	X	X		
TRP-002-N-S000-01222025		12 55			X	X	X		
HFH-006-N-S000-01222025		15 05			X	X	X		

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print [illegible]
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/27/25

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
14 35	5.4, 5.8	1 R006		

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/7/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SRA-005-N-S000-01222025 (590-29123-1)	1/22/25	07:45 Pacific	G	Solid			X	X	X	1	
SRA-010-N-S000-01222025 (590-29123-10)	1/22/25	09:10 Pacific	G	Solid			X	X	X	1	
SRA-010-N-S006-01222025 (590-29123-14)	1/22/25	09:25 Pacific	G	Solid			X	X	X	1	
SRA-011-N-S000-01222025 (590-29123-17)	1/22/25	10:10 Pacific	G	Solid			X	X	X	1	
SRA-011-N-S006-01222025 (590-29123-20)	1/22/25	10:25 Pacific	G	Solid			X	X	X	1	
SRA-008-N-S000-01222025 (590-29123-23)	1/22/25	11:15 Pacific	G	Solid			X	X	X	1	
SRA-001-N-S000-01222025 (590-29123-27)	1/22/25	13:00 Pacific	G	Solid			X	X	X	1	
SRA-001-N-S006-01222025 (590-29123-30)	1/22/25	13:15 Pacific	G	Solid			X	X	X	1	
HFH-001-N-S000-01222025 (590-29123-31)	1/22/25	14:45 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/24/25 1600	ET SPO		2-25-25 1000	ECtn
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1 | 4.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
HFH-001-N-S006-01222025 (590-29123-35)	1/22/25	15:00 Pacific	G	Solid			X	X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/24/25 1600	ESSPS	[signature]	2-25-25 1000	ESSPS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

3/7/2025

Page 19 of 22

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-3

Login Number: 29123
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-3

Login Number: 29123
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 01:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 0.6c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-3

Login Number: 29123
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/21/2025 4:30:49 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29123-4

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

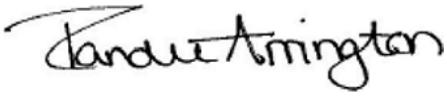
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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3/21/2025 4:30:49 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29123-4 Eurofins Spokane

Job Narrative
590-29123-4

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/23/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions
The following samples were received outside of holding time: SRA-010-N-S010-01222025 (590-29123-15) and SRA-011-N-S010-01222025 (590-29123-21).

General Chemistry
Method 9045D: The following samples were analyzed outside of analytical holding time due to client activation: SRA-010-N-S010-01222025 (590-29123-15) and SRA-011-N-S010-01222025 (590-29123-21).

Method 9060A_DW: The following samples were analyzed outside of analytical holding time due to job being activated out of hold per client's request: SRA-010-N-S010-01222025 (590-29123-15) and SRA-011-N-S010-01222025 (590-29123-21).

Method 9060A_DW: The following sample was analyzed in duplicate: SRA-011-N-S010-01222025 (590-29123-21). The RPD between the two replicates was > 10%. Non-homogeneity and nature of the sample matrix were suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-4
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29123-15	SRA-010-N-S010-01222025	Solid	01/22/25 09:30	01/23/25 14:35
590-29123-21	SRA-011-N-S010-01222025	Solid	01/22/25 10:30	01/23/25 14:35

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29123-4
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: SRA-010-N-S010-01222025
Lab Sample ID: 590-29123-15

Date Collected: 01/22/25 09:30
Matrix: Solid
Date Received: 01/23/25 14:35
Percent Solids: 82.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	740	H	600	340	mg/Kg	☼	03/17/25 16:59	03/18/25 16:55	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4	H	0.1	0.1	SU			03/19/25 13:02	1

Client Sample ID: SRA-011-N-S010-01222025
Lab Sample ID: 590-29123-21

Date Collected: 01/22/25 10:30
Matrix: Solid
Date Received: 01/23/25 14:35
Percent Solids: 82.3

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	660	H	610	350	mg/Kg	☼	03/17/25 16:59	03/18/25 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2	H	0.1	0.1	SU			03/19/25 13:02	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52969/1
Matrix: Solid
Analysis Batch: 52969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		100	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-546046/1-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 546046

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	290	mg/Kg		03/17/25 16:59	03/18/25 13:13	1

Lab Sample ID: LCS 570-546046/3-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	24700	23700		mg/Kg		96	78 - 110

Lab Sample ID: LCSD 570-546046/5-A
Matrix: Solid
Analysis Batch: 546817

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 546046

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	24800	24000		mg/Kg		97	78 - 110	1	16

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-4
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-010-N-S010-01222025
Lab Sample ID: 590-29123-15
Date Collected: 01/22/25 09:30
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.42 g	10 mL	52969	03/19/25 13:02	RMA	EET SPK
Total/NA	Analysis	Moisture		1			52890	03/14/25 17:06	NMI	EET SPK

Client Sample ID: SRA-010-N-S010-01222025
Lab Sample ID: 590-29123-15
Date Collected: 01/22/25 09:30
Matrix: Solid
Date Received: 01/23/25 14:35
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	205.0000 mg	205.0000 mg	546817	03/18/25 16:55	U8XP	EET CAL 4

Client Sample ID: SRA-011-N-S010-01222025
Lab Sample ID: 590-29123-21
Date Collected: 01/22/25 10:30
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.09 g	10 mL	52969	03/19/25 13:02	RMA	EET SPK
Total/NA	Analysis	Moisture		1			52890	03/14/25 17:06	NMI	EET SPK

Client Sample ID: SRA-011-N-S010-01222025
Lab Sample ID: 590-29123-21
Date Collected: 01/22/25 10:30
Matrix: Solid
Date Received: 01/23/25 14:35
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TOC					546046	03/17/25 16:59	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	203.5000 mg	203.5000 mg	546817	03/18/25 17:20	U8XP	EET CAL 4

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-4
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA001112025-8	02-28-26
Washington	State	C916	10-11-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-4
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET CAL 4
Moisture	Percent Moisture	EPA	EET SPK
TOC	Preparation, TOC (Solid)	SW846	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-005-N-S000-01222025	1/22/2025	7·45	Soil					X	1
SRA-005-N-S001-01222025		7 50			X	X	X		
SRA-005-N-S003-01222025		7 55			X	X	X		
SRA-005-N-S006-01222025		8 00						X	
SRA-005-N-S010-01222025		8 05						X	
SRA-005-N-S015-01222025		8 10						X	
SRA-005-N-S017-01222025		8 15						X	
SRA-005-FD-S017-01222025		8 20						X	
SRA-009-N-S000-01222025		8·45			X	X	X		
SRA-010-N-S000-01222025		9 10						X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

590-29123 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign Rudy Chuntas	Sign
Print Lindsay Chuntas	Print Mcalister
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/23/25 1435
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	
VOA Vial	
Amber Glass	
Plastic Bottle	
Preservative	
Volume	

SOLID	
VOA Vial	5-4 5-8
Amber Glass	
Clear Glass	1
Preservative	
Volume	100ml

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

3/21/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No. (Add 5's LWP ↓)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
SRA-010-N-001-01222025	1/22/2025	9 15	Soil		X	X	X									1
SRA-010-N-003-01222025		9:20			X	X	X									
SRA-010-FD-003-01222025		9 50			X	X	X									
SRA-010-N-006-01222025		9 25													X	
SRA-010-N-010-01222025		9:30													X	
SRA-010-N-015-01222025		9 35													X	
SRA-011-N-000-01222025		10 10													X	
SRA-011-N-001-01222025		10 15			X	X	X									
SRA-011-N-003-01222025		10 20			X	X	X									
SRA-011-N-006-01222025		10:25													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chutas	Sign
Print Lindsay Chutas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 0911 35	Date 1/23/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID												
VOA Vial												
Amber Glass												
Plastic Bottle												
Preservative												
Volume												

SOLID												
VOA Vial												
Amber Glass	1435		5.4, 5.8									
Clear Glass												
Preservative												
Volume												

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 3 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No. (Add SS DUP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-011-N-010-01222025	1/22/2025	10 30	Soil					X	1
SRA-011-N-014-01222025		10 35						X	
SRA-008-N-000-01222025		11 15						X	
SRA-008-N-001-01222025		11 20			X	X	X		
SRA-008-FD-001-01222025		11 50			X	X	X		
SRA-008-N-003-01222025		11 25			X	X	X		
SRA-001-N-000-01222025		13 00						X	
SRA-001-N-001-01222025		13 05			X	X	X		
SRA-001-N-003-01222025		13 10			X	X	X		
SRA-001-N-006-01222025		13 15						X	

Comments (special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print Lindsay Chuntas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 1435	Date 1/23/25 (435
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

	VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

	VOA Vial	Amber Glass	Clear Glass	Preservative	Volume

5M, 5-8
1Rooo

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2023

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 4 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-001-N-S000-01222025	1/22/2025	14.45	Soil					X	1
HFH-001-N-S001-01222025		14 50			X	X	X		
HFH-001-N-S003-01222025		14 55			X	X	X		
HFH-001-FD-S003-01222025		15 25			X	X	X		
HFH-001-N-S006-01222025		15 00						X	
SRA-002-N-S000-01222025		11:45			X	X	X		
TRP-001-N-S000-01222025		12 35			X	X	X		
TRP-002-N-S000-01222025		12 55			X	X	X		
HFH-006-N-S000-01222025		15 05			X	X	X		

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign	Sign
Print Lindsay Chutas	Print
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/27/25

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
14 35	5.4, 5.8	1R006		

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ RC-S2 ☐ RC-GW1 ☐ RC-GW2
☐ S1 ☐ S2 ☐ S3
☐ GW1 ☐ GW2 ☐ GW3

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2023

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Loc: 590
29123

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10673.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-4
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 3/24/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A_DW/TOC_S_Prep Total Organic Carbon (TOC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SRA-010-N-S010-01222025 (590-29123-15)	1/22/25	09:30 Pacific	G	Solid			X	1	activated out of hold
SRA-011-N-S010-01222025 (590-29123-21)	1/22/25	10:30 Pacific	G	Solid			X	1	activated out of hold

590-29123 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/11/25 1506	BLESR			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3.13.25 950	Company EC
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.4 / 5.4 IR12

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-4

Login Number: 29123
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-4

Login Number: 29123
List Number: 4
Creator: Arellano, Cyndy

List Source: Eurofins Calscience
List Creation: 03/13/25 04:30 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/11/2025 7:52:07 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29123-5

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

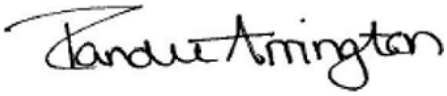
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
4/11/2025 7:52:07 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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QC Sample Results 8
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Method Summary 11
Chain of Custody 12
Receipt Checklists 18

Job ID: 590-29123-5 Eurofins Spokane

Job Narrative
590-29123-5

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/23/2025 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions
The following sample was listed on the Chain of Custody (COC); however, no sample was received: SRA-010-N-S015-01222025 (590-29123-16).

The following samples were activated by the client on 03/24/25: SRA-010-N-S015-01222025 (590-29123-16) and SRA-011-N-S014-01222025 (590-29123-22).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: SRA-011-N-S014-01222025 (590-29123-22).

Method 9060A: The method blank for analytical batch 580-489638 contained TOC above the method detection limit (MDL) . This target analyte concentration was less than the reporting limit (RL)in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9060A: The following sample was received activated of holding time: SRA-011-N-S014-01222025 (590-29123-22).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29123-22	SRA-011-N-S014-01222025	Solid	01/22/25 10:35	01/23/25 14:35

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-011-N-S014-01222025
Lab Sample ID: 590-29123-22
Date Collected: 01/22/25 10:35
Matrix: Solid
Date Received: 01/23/25 14:35

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	720	J H B	2000	97	mg/Kg			04/07/25 18:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	H	0.1	0.1	SU			03/24/25 11:14	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53044/1
Matrix: Solid
Analysis Batch: 53044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-489638/3
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	270	J	2000	97	mg/Kg			04/07/25 14:50	1

Lab Sample ID: LCS 580-489638/4
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 580-489638/5
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120	0	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: SRA-011-N-S014-01222025
Lab Sample ID: 590-29123-22

Date Collected: 01/22/25 10:35
Matrix: Solid
Date Received: 01/23/25 14:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10 mL	53044	03/24/25 11:14	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.3000 mg	194.3000 mg	489638	04/07/25 18:03	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53041	03/23/25 14:11	M1M	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25 *
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29123-5
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 1 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-005-N-S000-01222025	1/22/2025	7·45	Soil					X	1
SRA-005-N-S001-01222025		7 50			X	X	X		
SRA-005-N-S003-01222025		7 55			X	X	X		
SRA-005-N-S006-01222025		8 00						X	
SRA-005-N-S010-01222025		8 05						X	
SRA-005-N-S015-01222025		8 10						X	
SRA-005-N-S017-01222025		8 15						X	
SRA-005-FD-S017-01222025		8 20						X	
SRA-009-N-S000-01222025		8·45			X	X	X		
SRA-010-N-S000-01222025		9 10						X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

590-29123 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	Received by
Sign Rudy Chuntas	Sign
Print Lindsay Chuntas	Print Mcalister
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/23/25 1435
Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

5-4 5-8 1000

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

4/11/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 2 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No. (Add 5's LWP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content								HOLD	Number of Containers
SRA-010-N-001-01222025	1/22/2025	9 15	Soil		X	X	X									1
SRA-010-N-003-01222025		9·20			X	X	X									
SRA-010-FD-003-01222025		9 50			X	X	X									
SRA-010-N-006-01222025		9 25													X	
SRA-010-N-010-01222025		9·30													X	
SRA-010-N-015-01222025		9 35													X	
SRA-011-N-000-01222025		10 10													X	
SRA-011-N-001-01222025		10 15			X	X	X									
SRA-011-N-003-01222025		10 20			X	X	X									
SRA-011-N-006-01222025		10·25													X	

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC· Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign Lindsay Chutas	Sign
Print Lindsay Chutas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 0911 35	Date 1/23/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID	
		VOA Vial
		Amber Glass
		Plastic Bottle
		Clear Glass
		Preservative
	1435 5.4, 5.8 R006	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 3 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No. (Add SS DUP)	Date	Time	Type	PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
SRA-011-N-010-01222025	1/22/2025	10 30	Soil					X	1
SRA-011-N-014-01222025		10 35						X	
SRA-008-N-000-01222025		11 15						X	
SRA-008-N-001-01222025		11 20			X	X	X		
SRA-008-FD-001-01222025		11 50			X	X	X		
SRA-008-N-003-01222025		11 25			X	X	X		
SRA-001-N-000-01222025		13 00						X	
SRA-001-N-001-01222025		13 05			X	X	X		
SRA-001-N-003-01222025		13 10			X	X	X		
SRA-001-N-006-01222025		13 15						X	

Comments (special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date
Relinquished by	**Received by**
Sign	Sign
Print Lindsay Chuntas	Print Madison
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 1435	Date 1/23/25 1435
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

5M, 5-8
1R000

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447
Page 4 of 4

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	Analysis Requested: PFAS EPA 1633	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-001-N-S000-01222025	1/22/2025	14.45	Soil					X	1
HFH-001-N-S001-01222025		14 50			X	X	X		
HFH-001-N-S003-01222025		14 55			X	X	X		
HFH-001-FD-S003-01222025		15 25			X	X	X		
HFH-001-N-S006-01222025		15 00						X	
SRA-002-N-S000-01222025		11:45			X	X	X		
TRP-001-N-S000-01222025		12 35			X	X	X		
TRP-002-N-S000-01222025		12 55			X	X	X		
HFH-006-N-S000-01222025		15 05			X	X	X		

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Relinquished by	Received by
Sign [signature]	Sign [signature]
Print Lindsay Chutas	Print [illegible]
Firm Haley & Aldrich	Firm
Date 01/23/25 Time 14 35	Date 1/27/25

Relinquished by	Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
14 35	5.4, 5.8	1R006		

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024


SHIPPING/RECEIVING
EUROFINS ENVIRONMENTAL SPOKANE
11922 E 1ST AVE
SPOKANE VALLEY, WA 99206
UNITED STATES US
CAD: 0941709/CAFE3855
BILL SENDER
Part # 159469-434 MTW EXP 04/25
TO SHIPPING/RECEIVING
EUROFINS TUSTIN
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780
(714) 895-5494
REF:
INV:
PO:
DEPT:
FedEx
Express
J243024070401uv
TRK# 0201 4242 5693 4087
WED - 12 MAR 10:30A
PRIORITY OVERNIGHT
XW DTHA
92780
CA-US SNA
590-29123 Waybill

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10754.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-5
Address: 5755 8th Street East, ,	Due Date Requested: 4/3/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SRA-011-N-S014-01222025 (590-29123-22)	1/22/25	10:35 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Carolyn Dennison	3/25/25 15:15	EBTSP	[illegible]	3/26/25 0950	EETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 1.1/1.9

Ver: 10/10/2024

4/11/2025

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-5

Login Number: 29123
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-5

Login Number: 29123
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 01:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 0.6c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-5

Login Number: 29123
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29123-5

Login Number: 29123
List Number: 5
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

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JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29140-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

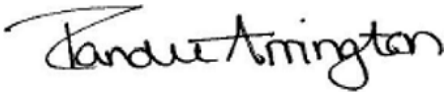
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Authorized for release by
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(509)924-9200

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Job ID: 590-29140-1 Eurofins Spokane

Job Narrative
590-29140-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/24/2025 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

General Chemistry
Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-484420 was outside control limits. Sample matrix interference is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29140-2	HFH-004-N-S001-01232025	Solid	01/23/25 10:25	01/24/25 11:10
590-29140-3	HFH-004-N-S003-01232025	Solid	01/23/25 10:30	01/24/25 11:10
590-29140-4	HFH-004-FD-S003-01232025	Solid	01/23/25 11:00	01/24/25 11:10
590-29140-6	HFH-004-N-S010-01232025	Solid	01/23/25 10:40	01/24/25 11:10
590-29140-7	HFH-004-FD-S010-01232025	Solid	01/23/25 11:10	01/24/25 11:10
590-29140-9	HFH-005-N-S001-01232025	Solid	01/23/25 11:20	01/24/25 11:10
590-29140-10	HFH-005-FD-S001-01232025	Solid	01/23/25 11:50	01/24/25 11:10
590-29140-11	HFH-005-N-S003-01232025	Solid	01/23/25 11:25	01/24/25 11:10
590-29140-15	HFH-003-N-S001-01232025	Solid	01/23/25 12:25	01/24/25 11:10
590-29140-16	HFH-003-N-S003-01232025	Solid	01/23/25 12:30	01/24/25 11:10
590-29140-17	HFH-003-N-S006-01232025	Solid	01/23/25 12:35	01/24/25 11:10
590-29140-18	HFH-003-FD-S006-01232025	Solid	01/23/25 13:05	01/24/25 11:10
590-29140-22	HFH-002-N-S001-01232025	Solid	01/23/25 13:15	01/24/25 11:10
590-29140-23	HFH-002-FD-S001-01232025	Solid	01/23/25 13:45	01/24/25 11:10
590-29140-24	HFH-002-N-S003-01232025	Solid	01/23/25 13:20	01/24/25 11:10
590-29140-29	FMB-004-N-S001-01232025	Solid	01/23/25 15:55	01/24/25 11:10
590-29140-30	FMB-004-N-S003-01232025	Solid	01/23/25 16:00	01/24/25 11:10
590-29140-32	FMB-004-N-S010-01232025	Solid	01/23/25 16:10	01/24/25 11:10
590-29140-33	FMB-004-FD-S010-01232025	Solid	01/23/25 16:40	01/24/25 11:10
590-29140-34	FMB-004-FD-S003-01232025	Solid	01/23/25 16:30	01/24/25 11:10

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: HFH-004-N-S001-01232025 — Lab Sample ID: 590-29140-2

Date Collected: 01/23/25 10:25 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3600		2000	97	mg/Kg			02/06/25 03:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-004-N-S003-01232025 — Lab Sample ID: 590-29140-3

Date Collected: 01/23/25 10:30 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	350	J	2000	97	mg/Kg			02/06/25 03:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-004-FD-S003-01232025 — Lab Sample ID: 590-29140-4

Date Collected: 01/23/25 11:00 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	500	J	2000	97	mg/Kg			02/06/25 14:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-004-N-S010-01232025 — Lab Sample ID: 590-29140-6

Date Collected: 01/23/25 10:40 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1200	J	2000	97	mg/Kg			02/06/25 15:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.1		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-004-FD-S010-01232025 — Lab Sample ID: 590-29140-7

Date Collected: 01/23/25 11:10 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	160	J	2000	97	mg/Kg			02/06/25 16:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-005-N-S001-01232025 — Lab Sample ID: 590-29140-9

Date Collected: 01/23/25 11:20 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	230	J	2000	97	mg/Kg			02/06/25 16:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-005-FD-S001-01232025 — Lab Sample ID: 590-29140-10

Date Collected: 01/23/25 11:50 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	320	J	2000	97	mg/Kg			02/06/25 17:07	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-005-N-S003-01232025 — Lab Sample ID: 590-29140-11

Date Collected: 01/23/25 11:25 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7800		2000	97	mg/Kg			02/06/25 17:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.4		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-003-N-S001-01232025 — Lab Sample ID: 590-29140-15

Date Collected: 01/23/25 12:25 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	430	J	2000	97	mg/Kg			02/06/25 17:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-003-N-S003-01232025 — Lab Sample ID: 590-29140-16

Date Collected: 01/23/25 12:30 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	220	J	2000	97	mg/Kg			02/06/25 17:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-003-N-S006-01232025 — Lab Sample ID: 590-29140-17

Date Collected: 01/23/25 12:35 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	250	J	2000	97	mg/Kg			02/06/25 18:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-003-FD-S006-01232025 — Lab Sample ID: 590-29140-18

Date Collected: 01/23/25 13:05 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	370	J	2000	97	mg/Kg			02/06/25 18:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-002-N-S001-01232025 — Lab Sample ID: 590-29140-22

Date Collected: 01/23/25 13:15 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	390	J	2000	97	mg/Kg			02/06/25 18:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-002-FD-S001-01232025 — Lab Sample ID: 590-29140-23

Date Collected: 01/23/25 13:45 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	460	J	2000	97	mg/Kg			02/06/25 18:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: HFH-002-N-S003-01232025 — Lab Sample ID: 590-29140-24

Date Collected: 01/23/25 13:20 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	240	J	2000	97	mg/Kg			02/06/25 19:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: FMB-004-N-S001-01232025 Lab Sample ID: 590-29140-29

Date Collected: 01/23/25 15:55 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4500		2000	97	mg/Kg			02/06/25 19:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: FMB-004-N-S003-01232025 Lab Sample ID: 590-29140-30

Date Collected: 01/23/25 16:00 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5700		2000	97	mg/Kg			02/06/25 20:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: FMB-004-N-S010-01232025 Lab Sample ID: 590-29140-32

Date Collected: 01/23/25 16:10 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	180	J	2000	97	mg/Kg			02/06/25 20:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: FMB-004-FD-S010-01232025 Lab Sample ID: 590-29140-33

Date Collected: 01/23/25 16:40 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	160	J	2000	97	mg/Kg			02/06/25 20:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/30/25 11:24	1

Client Sample ID: FMB-004-FD-S003-01232025 Lab Sample ID: 590-29140-34

Date Collected: 01/23/25 16:30 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5400		2000	97	mg/Kg			02/06/25 20:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/30/25 11:24	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52069/1
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29140-2 DU
Matrix: Solid
Analysis Batch: 52069

Client Sample ID: HFH-004-N-S001-01232025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.2			8.3		SU				0.7	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484340/3
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/05/25 18:10	1

Lab Sample ID: LCS 580-484340/4
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	323000		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 580-484340/5
Matrix: Solid
Analysis Batch: 484340

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	328000		mg/Kg		103	80 - 120	2	20

Lab Sample ID: MB 580-484420/3
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/06/25 14:08	1

Lab Sample ID: LCS 580-484420/4
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	317000		mg/Kg		99	80 - 120		

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 580-484420/5
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	326000		mg/Kg		102	80 - 120	3	20

Lab Sample ID: 590-29140-4 MS
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: HFH-004-FD-S003-01232025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	500	J	98300	97400		mg/Kg		99	75 - 125		

Lab Sample ID: 590-29140-4 MSD
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: HFH-004-FD-S003-01232025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	500	J	93200	92300		mg/Kg		99	75 - 125	5	20

Lab Sample ID: 590-29140-4 DU
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: HFH-004-FD-S003-01232025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	500	J		355	J F5	mg/Kg				33	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-004-N-S001-01232025
Lab Sample ID: 590-29140-2
Date Collected: 01/23/25 10:25
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.52 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	221.1000 mg	221.1000 mg	484340	02/06/25 03:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-004-N-S003-01232025
Lab Sample ID: 590-29140-3
Date Collected: 01/23/25 10:30
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.53 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	217.0000 mg	217.0000 mg	484340	02/06/25 03:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-004-FD-S003-01232025
Lab Sample ID: 590-29140-4
Date Collected: 01/23/25 11:00
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.2000 mg	204.2000 mg	484420	02/06/25 14:53	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-004-N-S010-01232025
Lab Sample ID: 590-29140-6
Date Collected: 01/23/25 10:40
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.15 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.0000 mg	198.0000 mg	484420	02/06/25 15:52	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-004-FD-S010-01232025
Lab Sample ID: 590-29140-7
Date Collected: 01/23/25 11:10
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.23 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	221.4000 mg	221.4000 mg	484420	02/06/25 16:07	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-005-N-S001-01232025
Lab Sample ID: 590-29140-9
Date Collected: 01/23/25 11:20
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.04 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	214.2000 mg	214.2000 mg	484420	02/06/25 16:22	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-005-FD-S001-01232025
Lab Sample ID: 590-29140-10
Date Collected: 01/23/25 11:50
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.25 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.8000 mg	206.8000 mg	484420	02/06/25 17:07	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-005-N-S003-01232025
Lab Sample ID: 590-29140-11
Date Collected: 01/23/25 11:25
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.47 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	190.8000 mg	190.8000 mg	484420	02/06/25 17:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:18	MRV	EET SPK

Client Sample ID: HFH-003-N-S001-01232025
Lab Sample ID: 590-29140-15
Date Collected: 01/23/25 12:25
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.16 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.1000 mg	201.1000 mg	484420	02/06/25 17:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: HFH-003-N-S003-01232025
Lab Sample ID: 590-29140-16
Date Collected: 01/23/25 12:30
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.28 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.1000 mg	203.1000 mg	484420	02/06/25 17:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-003-N-S006-01232025
Lab Sample ID: 590-29140-17
Date Collected: 01/23/25 12:35
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.30 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	208.7000 mg	208.7000 mg	484420	02/06/25 18:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: HFH-003-FD-S006-01232025
Lab Sample ID: 590-29140-18
Date Collected: 01/23/25 13:05
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.16 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.8000 mg	200.8000 mg	484420	02/06/25 18:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: HFH-002-N-S001-01232025
Lab Sample ID: 590-29140-22
Date Collected: 01/23/25 13:15
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.52 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.0000 mg	198.0000 mg	484420	02/06/25 18:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: HFH-002-FD-S001-01232025
Lab Sample ID: 590-29140-23
Date Collected: 01/23/25 13:45
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.28 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.3000 mg	199.3000 mg	484420	02/06/25 18:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: HFH-002-N-S003-01232025
Lab Sample ID: 590-29140-24
Date Collected: 01/23/25 13:20
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.42 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.5000 mg	204.5000 mg	484420	02/06/25 19:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-004-N-S001-01232025
Lab Sample ID: 590-29140-29
Date Collected: 01/23/25 15:55
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.09 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.2000 mg	205.2000 mg	484420	02/06/25 19:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: FMB-004-N-S003-01232025
Lab Sample ID: 590-29140-30
Date Collected: 01/23/25 16:00
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.01 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.2000 mg	200.2000 mg	484420	02/06/25 20:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:20	MRV	EET SPK

Client Sample ID: FMB-004-N-S010-01232025
Lab Sample ID: 590-29140-32
Date Collected: 01/23/25 16:10
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.13 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	208.3000 mg	208.3000 mg	484420	02/06/25 20:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:21	MRV	EET SPK

Client Sample ID: FMB-004-FD-S010-01232025
Lab Sample ID: 590-29140-33
Date Collected: 01/23/25 16:40
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	215.5000 mg	215.5000 mg	484420	02/06/25 20:36	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:21	MRV	EET SPK

Client Sample ID: FMB-004-FD-S003-01232025
Lab Sample ID: 590-29140-34
Date Collected: 01/23/25 16:30
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.17 g	10.0 mL	52069	01/30/25 11:24	RMA	EET SPK
Total/NA	Analysis	9060A		1	215.0000 mg	215.0000 mg	484420	02/06/25 20:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			51992	01/27/25 09:21	MRV	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH
Haley & Aldrich, Inc.
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STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-004-N-S0005-01232025	1/23/2025	1020	Soil				X	1
HFH-004-N-S001-01232025	1/23/2025	1025	Soil	X	X	X		1
HFH-004-N-S003-01232025	1/23/2025	1030	Soil	X	X	X		1
HFH-004-FD-S003-01232025	1/23/2025	1100	Soil	X	X	X		1
HFH-004-N-S006-01232025	1/23/2025	1035	Soil				X	1
HFH-004-N-S010-01232025	1/23/2025	1040	Soil	X	X	X		1
HFH-004-FD-S010-01232025	1/23/2025	1110	Soil	X	X	X		1
HFH-005-N-S0005-01232025	1/23/2025	1115	Soil				X	1
HFH-005-N-S001-01232025	1/23/2025	1120	Soil	X	X	X		1
HFH-005-FD-S001-01232025	1/23/2025	1150	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC- Total Organic Carbon

590-29140 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign Carson Dearman
Print	Print Carson Dearman
Firm H A	Firm H A
Date 01/24/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Dearman	Sign
Print Carson Dearman	Print
Firm H A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25 1110
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID

VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
			4.5 4.9	1 1 2 6

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-005-N-S003-01232025	1/23/2025	1125	Soil	X	X	X		1
HFH-005-N-S006-01232025	1/23/2025	1130	Soil				X	1
HFH-005-N-S010-01232025	1/23/2025	1135	Soil				X	1
HFH-003-N-S0005-01232025	1/23/2025	1220	Soil				X	1
HFH-003-N-S001-01232025	1/23/2025	1225	Soil	X	X	X		1
HFH-003-N-S003-01232025	1/23/2025	1230	Soil	X	X	X		1
HFH-003-N-S006-01232025	1/23/2025	1235	Soil	X	X	X		1
HFH-003-FD-S006-01232025	1/23/2025	1305	Soil	X	X	X		1
HFH-003-N-S010-01232025	1/23/2025	1240	Soil				X	1
HFH-003-N-S012-01232025	1/23/2025	1245	Soil				X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

Sampled and Relinquished by	Received by
Sign [signature]	Sign [signature]
Print Cuck Castillo J.S.L	Print Carson Desimone
Firm H&A	Firm H&A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign [signature]	Sign [signature]
Print Carson Desimone	Print [signature]
Firm H&A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

1110 4.5 4.9 1100 b

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-002-N-S0005-01232025	1/23/2025	1310	Soil				X	1
HFH-002-N-S001-01232025	1/23/2025	1315	Soil	X	X	X		1
HFH-002-FD-S001-01232025	1/23/2025	1345	Soil	X	X	X		1
HFH-002-N-S003-01232025	1/23/2025	1320	Soil	X	X	X		1
HFH-002-N-S006-01232025	1/23/2025	1325	Soil				X	1
HFH-002-N-S010-01232025	1/23/2025	1330	Soil				X	1
HFH-002-N-S012-01232025	1/23/2025	1335	Soil				X	1
FMB-004-N-S0005-01232025	1/23/2025	1550	Soil				X	1
FMB-004-N-S001-01232025	1/23/2025	1555	Soil	X	X	X		1
FMB-004-N-S003-01232025	1/23/2025	1600	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC: Total Organic Carbon

Sampled and Relinquished by

Sign [signature]
Print Angel Castillo-Salazar
Firm H+A
Date 01/23/25 Time 1700

Received by

Sign [signature]
Print Carson Desimone
Firm H+A
Date 1/23/25 1700

Relinquished by

Sign [signature]
Print Carson Desimone
Firm H+A
Date 1/24/25 Time 11:10

Received by

Sign [signature]
Print [signature]
Firm
Date 1/24/25 1110

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID

	VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

	VOA Vial	Amber Glass	Clear Glass	Preservative	Volume

U5, 4.9
1 Bot

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-004-S006-01232025	1/23/2025	1605	Soil				X	1
FMB-004-N-S010-01232025	1/23/2025	1610	Soil	X	X	X		1
FMB-004-FD-S010-01232025	1/23/2025	1640	Soil	X	X	X		1
FMB-004-FD-S003-01232025	1/23/2025	1630	Soil	X	X	X		1
								1
								1
								1
								1
								1
								1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

Sampled and Relinquished by	Received by
Sign [illegible]	Sign Carson Desimone
Print [illegible]	Print Carson Desimone
Firm H A	Firm H A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Desimone	Sign [illegible]
Print Carson Desimone	Print [illegible]
Firm H A	Firm 1/24/25 1100
Date 1/24/25 Time 11:10	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

4.5, 4.9 1/24/25

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/7/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/6/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HFH-004-N-S001-01232025 (590-29140-2)	1/23/25	10:25 Pacific	G	Solid			X	1	
HFH-004-N-S003-01232025 (590-29140-3)	1/23/25	10:30 Pacific	G	Solid			X	1	
HFH-004-FD-S003-01232025 (590-29140-4)	1/23/25	11:00 Pacific	G	Solid			X	1	
HFH-004-N-S010-01232025 (590-29140-6)	1/23/25	10:40 Pacific	G	Solid			X	1	
HFH-004-FD-S010-01232025 (590-29140-7)	1/23/25	11:10 Pacific	G	Solid			X	1	
HFH-005-N-S001-01232025 (590-29140-9)	1/23/25	11:20 Pacific	G	Solid			X	1	
HFH-005-FD-S001-01232025 (590-29140-10)	1/23/25	11:50 Pacific	G	Solid			X	1	
HFH-005-N-S003-01232025 (590-29140-11)	1/23/25	11:25 Pacific	G	Solid			X	1	
HFH-003-N-S001-01232025 (590-29140-15)	1/23/25	12:25 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/27/25 1400	~~GEL~~ SPS		1-28-25 755	~~EEN~~
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1815 0.6/0.6

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/7/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-1
Address: 5755 8th Street East,	Due Date Requested: 2/5/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TRP-002-N-S000-01222025 (590-29123-38)	1/22/25	12:55 Pacific	G	Solid			X	1	
HFH-006-N-S-000-01222025 (590-29123-39)	1/22/25	15:05 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/27/25 1400	Company ECS SRC	Received by:	Date/Time: 1-28-25 755	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-1

Login Number: 29140

List Source: Eurofins Spokane

List Number: 1

Creator: Vaughan, Madison R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-1

Login Number: 29140
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 02:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 0.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/11/2025 8:03:43 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29140-2

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

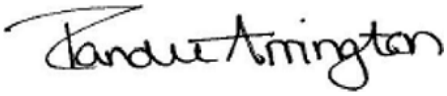
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
4/11/2025 8:03:43 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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QC Sample Results 8
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Certification Summary 10
Method Summary 11
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Job ID: 590-29140-2 Eurofins Spokane

Job Narrative
590-29140-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/24/2025 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Receipt Exceptions
The following sample was activated by the client on 03/24/25: HFH-002-N-S012-01232025 (590-29140-27).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: HFH-002-N-S012-01232025 (590-29140-27).

Method 9060A: The method blank for analytical batch 580-489638 contained TOC above the method detection limit (MDL) . This target analyte concentration was less than the reporting limit (RL)in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9060A: The following sample was analyzed outside of holding time: HFH-002-N-S012-01232025 (590-29140-27).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29140-27	HFH-002-N-S012-01232025	Solid	01/23/25 13:35	01/24/25 11:10

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-002-N-S012-01232025
Lab Sample ID: 590-29140-27

Date Collected: 01/23/25 13:35
Matrix: Solid
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	650	J H B	2000	97	mg/Kg			04/07/25 19:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.0	H	0.1	0.1	SU			03/24/25 11:14	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53044/1
Matrix: Solid
Analysis Batch: 53044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-489638/3
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	270	J	2000	97	mg/Kg			04/07/25 14:50	1

Lab Sample ID: LCS 580-489638/4
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 580-489638/5
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120	0	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-002-N-S012-01232025
Lab Sample ID: 590-29140-27
Date Collected: 01/23/25 13:35
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10 mL	53044	03/24/25 11:14	RMA	EET SPK
Total/NA	Analysis	9060A		1	192.9000 mg	192.9000 mg	489638	04/07/25 19:17	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53041	03/23/25 14:11	M1M	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25 *
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-2
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-004-N-S0005-01232025	1/23/2025	1020	Soil				X	1
HFH-004-N-S001-01232025	1/23/2025	1025	Soil	X	X	X		1
HFH-004-N-S003-01232025	1/23/2025	1030	Soil	X	X	X		1
HFH-004-FD-S003-01232025	1/23/2025	1100	Soil	X	X	X		1
HFH-004-N-S006-01232025	1/23/2025	1035	Soil				X	1
HFH-004-N-S010-01232025	1/23/2025	1040	Soil	X	X	X		1
HFH-004-FD-S010-01232025	1/23/2025	1110	Soil	X	X	X		1
HFH-005-N-S0005-01232025	1/23/2025	1115	Soil				X	1
HFH-005-N-S001-01232025	1/23/2025	1120	Soil	X	X	X		1
HFH-005-FD-S001-01232025	1/23/2025	1150	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

590-29140 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign Carson Dearman
Print	Print Carson Dearman
Firm H A	Firm H A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Dearman	Sign
Print Carson Dearman	Print
Firm H A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25 1110
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Clear Glass		4.5 4.9
Preservative		
Volume		1 1 2 6

PRESERVATION KEY

A	Sample chilled	C NaOH	E H_2SO_4	G Methanol
B	Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-005-N-S003-01232025	1/23/2025	1125	Soil	X	X	X		1
HFH-005-N-S006-01232025	1/23/2025	1130	Soil				X	1
HFH-005-N-S010-01232025	1/23/2025	1135	Soil				X	1
HFH-003-N-S0005-01232025	1/23/2025	1220	Soil				X	1
HFH-003-N-S001-01232025	1/23/2025	1225	Soil	X	X	X		1
HFH-003-N-S003-01232025	1/23/2025	1230	Soil	X	X	X		1
HFH-003-N-S006-01232025	1/23/2025	1235	Soil	X	X	X		1
HFH-003-FD-S006-01232025	1/23/2025	1305	Soil	X	X	X		1
HFH-003-N-S010-01232025	1/23/2025	1240	Soil				X	1
HFH-003-N-S012-01232025	1/23/2025	1245	Soil				X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Cruz Castillo J.S.L	Print Carson Desimone
Firm H&A	Firm H&A
Date 01/23/25 Time 1700	Date 1/23/25 17:00
Relinquished by	**Received by**
Sign	Sign
Print Carson Desimone	Print
Firm H&A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

1110 4.5 4.9 1100 6

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-002-N-S0005-01232025	1/23/2025	1310	Soil				X	1
HFH-002-N-S001-01232025	1/23/2025	1315	Soil	X	X	X		1
HFH-002-FD-S001-01232025	1/23/2025	1345	Soil	X	X	X		1
HFH-002-N-S003-01232025	1/23/2025	1320	Soil	X	X	X		1
HFH-002-N-S006-01232025	1/23/2025	1325	Soil				X	1
HFH-002-N-S010-01232025	1/23/2025	1330	Soil				X	1
HFH-002-N-S012-01232025	1/23/2025	1335	Soil				X	1
FMB-004-N-S0005-01232025	1/23/2025	1550	Soil				X	1
FMB-004-N-S001-01232025	1/23/2025	1555	Soil	X	X	X		1
FMB-004-N-S003-01232025	1/23/2025	1600	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

	Sampled and Relinquished by	Received by
Sign	[signature]	[signature]
Print	Angel Castillo-Salazar	Carson Desimone
Firm	H&A	H&A
Date / Time	1/23/25 1700	1/23/25 1700
Relinquished by		Received by
Sign	Carson Desimone	[signature]
Print	Carson Desimone	
Firm	H&A	
Date / Time	1/24/25 11:10	1/24/25 1110
Relinquished by		Received by
Sign		
Print		
Firm		
Date / Time		

LIQUID

	VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

	VOA Vial	Amber Glass	Clear Glass	Preservative	Volume
				U5, 4.9	1 Each

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-004-S006-01232025	1/23/2025	1605	Soil				X	1
FMB-004-N-S010-01232025	1/23/2025	1610	Soil	X	X	X		1
FMB-004-FD-S010-01232025	1/23/2025	1640	Soil	X	X	X		1
FMB-004-FD-S003-01232025	1/23/2025	1630	Soil	X	X	X		1
								1
								1
								1
								1
								1
								1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

Sampled and Relinquished by	Received by
Sign [illegible]	Sign Carson Desimone
Print [illegible]	Print Carson Desimone
Firm H A	Firm H A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Desimone	Sign [illegible]
Print Carson Desimone	Print [illegible]
Firm H A	Firm 1/24/25 1100
Date 1/24/25 Time 11:10	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

4.5, 4.9 1/24/25

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

Form 3003

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024


SHIPPING/RECEIVING
EUROFINS ENVIRONMENTAL SPOKANE
11922 E 1ST AVE

SPOKANE VALLEY, WA 99206
UNITED STATES US

CAD: 0941709/CAFE3855

BILL SENDER

Part # 159469-494 MTW EXP 04/25

TO SHIPPING/RECEIVING
EUROFINS TUSTIN
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:

INV:

PO: DEPT:

FedEx Express

J243024070401uv

TRK# 0201 4242 5693 4087

WED - 12 MAR 10:30A
PRIORITY OVERNIGHT

XW DTHA

92780
CA-US SNA

590-29140 Waybill

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

4/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/6/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HFH-004-N-S001-01232025 (590-29140-2)	1/23/25	10:25 Pacific	G	Solid			X	1	
HFH-004-N-S003-01232025 (590-29140-3)	1/23/25	10:30 Pacific	G	Solid			X	1	
HFH-004-FD-S003-01232025 (590-29140-4)	1/23/25	11:00 Pacific	G	Solid			X	1	
HFH-004-N-S010-01232025 (590-29140-6)	1/23/25	10:40 Pacific	G	Solid			X	1	
HFH-004-FD-S010-01232025 (590-29140-7)	1/23/25	11:10 Pacific	G	Solid			X	1	
HFH-005-N-S001-01232025 (590-29140-9)	1/23/25	11:20 Pacific	G	Solid			X	1	
HFH-005-FD-S001-01232025 (590-29140-10)	1/23/25	11:50 Pacific	G	Solid			X	1	
HFH-005-N-S003-01232025 (590-29140-11)	1/23/25	11:25 Pacific	G	Solid			X	1	
HFH-003-N-S001-01232025 (590-29140-15)	1/23/25	12:25 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/27/25 1400	GES SPS		1-28-25 755	EFN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1815 0.6/0.6

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10437.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 3
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29123-1
Address: 5755 8th Street East,	Due Date Requested: 2/5/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TRP-002-N-S000-01222025 (590-29123-38)	1/22/25	12:55 Pacific	G	Solid			X	1	
HFH-006-N-S-000-01222025 (590-29123-39)	1/22/25	15:05 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/27/25 1400	Company ECS SRC	Received by:	Date/Time: 1-28-25 755	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 0.6/0.6

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

4/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-3
Address: 5755 8th Street East,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of Containers	Special Instructions/Note:
			Preservation Code:								
HFH-004-N-S0005-01232025 (590-29140-1)	1/23/25	10:20 Pacific	G	Solid			X	X	X	1	
HFH-004-N-S006-01232025 (590-29140-5)	1/23/25	10:35 Pacific	G	Solid			X	X	X	1	
HFH-005-N-S0005-01232025 (590-29140-8)	1/23/25	11:15 Pacific	G	Solid			X	X	X	1	
HFH-005-N-S006-01232025 (590-29140-12)	1/23/25	11:30 Pacific	G	Solid			X	X	X	1	
HFH-003-N-S0005-01232025 (590-29140-14)	1/23/25	12:20 Pacific	G	Solid			X	X	X	1	
HFH-003-N-S010-01232025 (590-29140-19)	1/23/25	12:40 Pacific	G	Solid			X	X	X	1	
HFH-002-N-S0005-01232025 (590-29140-21)	1/23/25	13:10 Pacific	G	Solid			X	X	X	1	
HFH-002-N-S006-01232025 (590-29140-25)	1/23/25	13:25 Pacific	G	Solid			X	X	X	1	
FMB-004-N-S0005-01232025 (590-29140-28)	1/23/25	15:50 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/24/25 1600	EESPO		2-25-25 1000	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1R15 4.1/4.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-3
Address: 5755 8th Street East,	Due Date Requested: 3/3/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FMB-004-S006-01232025 (590-29140-31)	1/23/25	16:05 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/24/25 1600	EETSPO		2-25-25 1000	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

4/11/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10754.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-2
Address: 5755 8th Street East, ,	Due Date Requested: 4/7/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HFH-002-N-S012-01232025 (590-29140-27)	1/23/25	13:35 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Corson Deamons	3/25/25 15:15	ETSP		3/26/25 0950	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 1.1/1.9

Ver: 10/10/2024

4/11/2025

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 570-435022.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-4
Address: 5755 8th Street East, ,	Due Date Requested: 3/21/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
HFH-005-N-S010-01232025 (590-29140-13)	1/23/25	11:35 Pacific	G	Solid			X	1	
HFH-003-N-S012-01232025 (590-29140-20)	1/23/25	12:45 Pacific	G	Solid			X	1	
HFH-002-N-S010-01232025 (590-29140-26)	1/23/25	13:30 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by:	3/25/25 1444	EC	Received by:	3-26-25 950	EGH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR 11 0.5/1.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-2

Login Number: 29140
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-2

Login Number: 29140
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 02:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 0.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-2

Login Number: 29140
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-2

Login Number: 29140
List Number: 5
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/7/2025 2:32:46 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29140-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

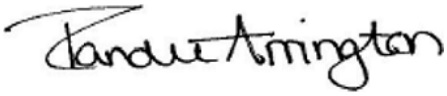
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/7/2025 2:32:46 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29140-3 Eurofins Spokane

Job Narrative
590-29140-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/24/2025 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Receipt Exceptions
The following samples were activated by the client on 02/20/25: HFH-004-N-S0005-01232025 (590-29140-1), HFH-004-N-S006-01232025 (590-29140-5), HFH-005-N-S0005-01232025 (590-29140-8), HFH-005-N-S006-01232025 (590-29140-12), HFH-003-N-S0005-01232025 (590-29140-14), HFH-003-N-S010-01232025 (590-29140-19), HFH-002-N-S0005-01232025 (590-29140-21), HFH-002-N-S006-01232025 (590-29140-25), FMB-004-N-S0005-01232025 (590-29140-28) and FMB-004-S006-01232025 (590-29140-31).

General Chemistry
Method 9060A: The following samples were activated outside of holding time: HFH-003-N-S0005-01232025 (590-29140-14), HFH-003-N-S010-01232025 (590-29140-19) and HFH-002-N-S0005-01232025 (590-29140-21).

Method 9060A: The following samples were activated outside of holding time: HFH-004-N-S0005-01232025 (590-29140-1), HFH-004-N-S006-01232025 (590-29140-5), HFH-005-N-S0005-01232025 (590-29140-8), HFH-005-N-S006-01232025 (590-29140-12), HFH-002-N-S006-01232025 (590-29140-25), FMB-004-N-S0005-01232025 (590-29140-28) and FMB-004-S006-01232025 (590-29140-31).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29140-1	HFH-004-N-S0005-01232025	Solid	01/23/25 10:20	01/24/25 11:10
590-29140-5	HFH-004-N-S006-01232025	Solid	01/23/25 10:35	01/24/25 11:10
590-29140-8	HFH-005-N-S0005-01232025	Solid	01/23/25 11:15	01/24/25 11:10
590-29140-12	HFH-005-N-S006-01232025	Solid	01/23/25 11:30	01/24/25 11:10
590-29140-14	HFH-003-N-S0005-01232025	Solid	01/23/25 12:20	01/24/25 11:10
590-29140-19	HFH-003-N-S010-01232025	Solid	01/23/25 12:40	01/24/25 11:10
590-29140-21	HFH-002-N-S0005-01232025	Solid	01/23/25 13:10	01/24/25 11:10
590-29140-25	HFH-002-N-S006-01232025	Solid	01/23/25 13:25	01/24/25 11:10
590-29140-28	FMB-004-N-S0005-01232025	Solid	01/23/25 15:50	01/24/25 11:10
590-29140-31	FMB-004-S006-01232025	Solid	01/23/25 16:05	01/24/25 11:10

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: HFH-004-N-S0005-01232025 Lab Sample ID: 590-29140-1

Date Collected: 01/23/25 10:20 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.0	HF			SU			02/27/25 20:58	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3400	H	2000	97	mg/Kg			03/06/25 19:23	1

Client Sample ID: HFH-004-N-S006-01232025 Lab Sample ID: 590-29140-5

Date Collected: 01/23/25 10:35 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	HF			SU			02/27/25 21:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	410	J H	2000	97	mg/Kg			03/06/25 19:38	1

Client Sample ID: HFH-005-N-S0005-01232025 Lab Sample ID: 590-29140-8

Date Collected: 01/23/25 11:15 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.4	HF			SU			02/27/25 21:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1400	J H	2000	97	mg/Kg			03/06/25 19:53	1

Client Sample ID: HFH-005-N-S006-01232025 Lab Sample ID: 590-29140-12

Date Collected: 01/23/25 11:30 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8	HF			SU			02/27/25 21:04	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	590	J H	2000	97	mg/Kg			03/06/25 20:09	1

Client Sample ID: HFH-003-N-S0005-01232025 Lab Sample ID: 590-29140-14

Date Collected: 01/23/25 12:20 **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.2	HF			SU			02/27/25 21:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4000	H	2000	97	mg/Kg			03/04/25 19:43	1

Client Sample ID: HFH-003-N-S010-01232025 — Lab Sample ID: 590-29140-19

Date Collected: 01/23/25 12:40 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8	HF			SU			02/27/25 21:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	240	J H	2000	97	mg/Kg			03/04/25 19:58	1

Client Sample ID: HFH-002-N-S0005-01232025 — Lab Sample ID: 590-29140-21

Date Collected: 01/23/25 13:10 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.5	HF			SU			02/27/25 21:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1500	J H	2000	97	mg/Kg			03/04/25 20:13	1

Client Sample ID: HFH-002-N-S006-01232025 — Lab Sample ID: 590-29140-25

Date Collected: 01/23/25 13:25 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	HF			SU			02/27/25 21:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	290	J H	2000	97	mg/Kg			03/06/25 20:24	1

Client Sample ID: FMB-004-N-S0005-01232025 — Lab Sample ID: 590-29140-28

Date Collected: 01/23/25 15:50 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.8	HF			SU			02/27/25 21:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7800	H	2000	97	mg/Kg			03/06/25 20:38	1

Client Sample ID: FMB-004-S006-01232025 — Lab Sample ID: 590-29140-31

Date Collected: 01/23/25 16:05 — **Matrix: Solid**
Date Received: 01/24/25 11:10

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3	HF			SU			02/27/25 21:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	250	J H	2000	97	mg/Kg			03/06/25 20:53	1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486571/3
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 15:00	1

Lab Sample ID: LCS 580-486571/4
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	306000		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-486571/5
Matrix: Solid
Analysis Batch: 486571

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	310000		mg/Kg		97	80 - 120	1	20

Lab Sample ID: MB 580-486764/3
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 16:21	1

Lab Sample ID: LCS 580-486764/4
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	303000		mg/Kg		95	80 - 120		

Lab Sample ID: LCSD 580-486764/5
Matrix: Solid
Analysis Batch: 486764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	297000		mg/Kg		93	80 - 120	2	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-004-N-S0005-01232025
Lab Sample ID: 590-29140-1
Date Collected: 01/23/25 10:20
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 20:58	FCG	EET SEA
Total/NA	Analysis	9060A		1	193.7000 mg	193.7000 mg	486764	03/06/25 19:23	FCG	EET SEA

Client Sample ID: HFH-004-N-S006-01232025
Lab Sample ID: 590-29140-5
Date Collected: 01/23/25 10:35
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:00	FCG	EET SEA
Total/NA	Analysis	9060A		1	200.1000 mg	200.1000 mg	486764	03/06/25 19:38	FCG	EET SEA

Client Sample ID: HFH-005-N-S0005-01232025
Lab Sample ID: 590-29140-8
Date Collected: 01/23/25 11:15
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:02	FCG	EET SEA
Total/NA	Analysis	9060A		1	208.7000 mg	208.7000 mg	486764	03/06/25 19:53	FCG	EET SEA

Client Sample ID: HFH-005-N-S006-01232025
Lab Sample ID: 590-29140-12
Date Collected: 01/23/25 11:30
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:04	FCG	EET SEA
Total/NA	Analysis	9060A		1	207.8000 mg	207.8000 mg	486764	03/06/25 20:09	FCG	EET SEA

Client Sample ID: HFH-003-N-S0005-01232025
Lab Sample ID: 590-29140-14
Date Collected: 01/23/25 12:20
Matrix: Solid
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:06	FCG	EET SEA
Total/NA	Analysis	9060A		1	203.6000 mg	203.6000 mg	486571	03/04/25 19:43	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc. Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: HFH-003-N-S010-01232025 Lab Sample ID: 590-29140-19

Date Collected: 01/23/25 12:40 **Matrix: Solid**
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:08	FCG	EET SEA
Total/NA	Analysis	9060A		1	205.5000 mg	205.5000 mg	486571	03/04/25 19:58	FCG	EET SEA

Client Sample ID: HFH-002-N-S0005-01232025 Lab Sample ID: 590-29140-21

Date Collected: 01/23/25 13:10 **Matrix: Solid**
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:10	FCG	EET SEA
Total/NA	Analysis	9060A		1	210.7000 mg	210.7000 mg	486571	03/04/25 20:13	FCG	EET SEA

Client Sample ID: HFH-002-N-S006-01232025 Lab Sample ID: 590-29140-25

Date Collected: 01/23/25 13:25 **Matrix: Solid**
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:12	FCG	EET SEA
Total/NA	Analysis	9060A		1	203.6000 mg	203.6000 mg	486764	03/06/25 20:24	FCG	EET SEA

Client Sample ID: FMB-004-N-S0005-01232025 Lab Sample ID: 590-29140-28

Date Collected: 01/23/25 15:50 **Matrix: Solid**
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:14	FCG	EET SEA
Total/NA	Analysis	9060A		1	195.0000 mg	195.0000 mg	486764	03/06/25 20:38	FCG	EET SEA

Client Sample ID: FMB-004-S006-01232025 Lab Sample ID: 590-29140-31

Date Collected: 01/23/25 16:05 **Matrix: Solid**
Date Received: 01/24/25 11:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486141	02/28/25 11:21	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:29	FCG	EET SEA
Total/NA	Analysis	9060A		1	215.8000 mg	215.8000 mg	486764	03/06/25 20:53	FCG	EET SEA

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29140-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	EET SEA
9045D	pH	SW846	EET SEA
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

HALEY ALDRICH
Haley & Aldrich, Inc.
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STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
		DELIVERY DATE	
		TURNAROUND TIME	
		PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-004-N-S0005-01232025	1/23/2025	1020	Soil				X	1
HFH-004-N-S001-01232025	1/23/2025	1025	Soil	X	X	X		1
HFH-004-N-S003-01232025	1/23/2025	1030	Soil	X	X	X		1
HFH-004-FD-S003-01232025	1/23/2025	1100	Soil	X	X	X		1
HFH-004-N-S006-01232025	1/23/2025	1035	Soil				X	1
HFH-004-N-S010-01232025	1/23/2025	1040	Soil	X	X	X		1
HFH-004-FD-S010-01232025	1/23/2025	1110	Soil	X	X	X		1
HFH-005-N-S0005-01232025	1/23/2025	1115	Soil				X	1
HFH-005-N-S001-01232025	1/23/2025	1120	Soil	X	X	X		1
HFH-005-FD-S001-01232025	1/23/2025	1150	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC- Total Organic Carbon

590-29140 Chain of Custody

Sampled and Relinquished by	Received by
Sign	Sign Carson Dearoma
Print Geiger Field Work	Print Carson Dearoma
Firm H A	Firm H A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Dearoma	Sign
Print Carson Dearoma	Print
Firm H A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25 1110
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

Sage Chg GSE 1/24/25 1700

LIQUID: VOA Vial / Amber Glass / Plastic Bottle / Preservative / Volume

SOLID: VOA Vial / Amber Glass / Clear Glass / Preservative / Volume

4.5 4.9

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

HALEY ALDRICH
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H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE		TURNAROUND TIME	
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-005-N-S003-01232025	1/23/2025	1125	Soil	X	X	X		1
HFH-005-N-S006-01232025	1/23/2025	1130	Soil				X	1
HFH-005-N-S010-01232025	1/23/2025	1135	Soil				X	1
HFH-003-N-S0005-01232025	1/23/2025	1220	Soil				X	1
HFH-003-N-S001-01232025	1/23/2025	1225	Soil	X	X	X		1
HFH-003-N-S003-01232025	1/23/2025	1230	Soil	X	X	X		1
HFH-003-N-S006-01232025	1/23/2025	1235	Soil	X	X	X		1
HFH-003-FD-S006-01232025	1/23/2025	1305	Soil	X	X	X		1
HFH-003-N-S010-01232025	1/23/2025	1240	Soil				X	1
HFH-003-N-S012-01232025	1/23/2025	1245	Soil				X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

Sampled and Relinquished by	Received by
Sign [signature]	Sign [signature]
Print Cuck Castillo J.SIL	Print Carson Desimone
Firm H+A	Firm H+A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign [signature]	Sign [signature]
Print Carson Desimone	Print Claudia
Firm H+A	Firm
Date 1/24/25 Time 11:10	Date 1/24/25
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

1110 4.5 4.9 1100 b

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003 November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
HFH-002-N-S0005-01232025	1/23/2025	1310	Soil				X	1
HFH-002-N-S001-01232025	1/23/2025	1315	Soil	X	X	X		1
HFH-002-FD-S001-01232025	1/23/2025	1345	Soil	X	X	X		1
HFH-002-N-S003-01232025	1/23/2025	1320	Soil	X	X	X		1
HFH-002-N-S006-01232025	1/23/2025	1325	Soil				X	1
HFH-002-N-S010-01232025	1/23/2025	1330	Soil				X	1
HFH-002-N-S012-01232025	1/23/2025	1335	Soil				X	1
FMB-004-N-S0005-01232025	1/23/2025	1550	Soil				X	1
FMB-004-N-S001-01232025	1/23/2025	1555	Soil	X	X	X		1
FMB-004-N-S003-01232025	1/23/2025	1600	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

	Sampled and Relinquished by	Received by
Sign	[signature]	[signature]
Print	Angel Castillo-Salazar	Carson Desimone
Firm	H+A	H+A
Date / Time	01/23/25 1700	1/23/25 1700
Relinquished by		Received by
Sign	Carson Desimone	[signature]
Print	Carson Desimone	
Firm	H+A	
Date / Time	1/24/25 11:10	1/24/25 1110
Relinquished by		Received by
Sign		
Print		
Firm		
Date / Time		

LIQUID

	VOA Vial	Amber Glass	Plastic Bottle	Preservative	Volume

SOLID

	VOA Vial	Amber Glass	Clear Glass	Preservative	Volume

4.5, 4.9
1 Bott

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206	TURNAROUND TIME	
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-004-S006-01232025	1/23/2025	1605	Soil				X	1
FMB-004-N-S010-01232025	1/23/2025	1610	Soil	X	X	X		1
FMB-004-FD-S010-01232025	1/23/2025	1640	Soil	X	X	X		1
FMB-004-FD-S003-01232025	1/23/2025	1630	Soil	X	X	X		1
								1
								1
								1
								1
								1
								1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

Sampled and Relinquished by	Received by
Sign [illegible]	Sign Carson Desimone
Print [illegible]	Print Carson Desimone
Firm H A	Firm H A
Date 01/23/25 Time 1700	Date 1/23/25 1700
Relinquished by	**Received by**
Sign Carson Desimone	Sign [illegible]
Print Carson Desimone	Print [illegible]
Firm H A	Firm 1/24/25 1100
Date 1/24/25 Time 11:10	Date
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

4.5, 4.9 1/24/25

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

Form 3003

November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/7/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-3
Address: 5755 8th Street East,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of Containers	Special Instructions/Note:
Preservation Code:											
HFH-004-N-S0005-01232025 (590-29140-1)	1/23/25	10:20 Pacific	G	Solid			X	X	X	1	
HFH-004-N-S006-01232025 (590-29140-5)	1/23/25	10:35 Pacific	G	Solid			X	X	X	1	
HFH-005-N-S0005-01232025 (590-29140-8)	1/23/25	11:15 Pacific	G	Solid			X	X	X	1	
HFH-005-N-S006-01232025 (590-29140-12)	1/23/25	11:30 Pacific	G	Solid			X	X	X	1	
HFH-003-N-S0005-01232025 (590-29140-14)	1/23/25	12:20 Pacific	G	Solid			X	X	X	1	
HFH-003-N-S010-01232025 (590-29140-19)	1/23/25	12:40 Pacific	G	Solid			X	X	X	1	
HFH-002-N-S0005-01232025 (590-29140-21)	1/23/25	13:10 Pacific	G	Solid			X	X	X	1	
HFH-002-N-S006-01232025 (590-29140-25)	1/23/25	13:25 Pacific	G	Solid			X	X	X	1	
FMB-004-N-S0005-01232025 (590-29140-28)	1/23/25	15:50 Pacific	G	Solid			X	X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/24/25 1600	EESPO	[signature]	2-25-25 1000	EETn
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1R15 4.1/4.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10574.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29140-3
Address: 5755 8th Street East,	Due Date Requested: 3/3/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	9045D	Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
FMB-004-S006-01232025 (590-29140-31)	1/23/25	16:05 Pacific	G	Solid			X	X	X	1	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/24/25 1600	EESP		2-25-25 1000	EESP
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 4.1/4.1

Ver: 10/10/2024

3/7/2025

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Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-3

Login Number: 29140
List Number: 1
Creator: Vaughan, Madison R

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-3

Login Number: 29140
List Number: 2
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 01/28/25 02:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 0.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29140-3

Login Number: 29140
List Number: 3
Creator: Pike, Jacob 1

List Source: Eurofins Seattle
List Creation: 02/25/25 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	IR15 4.1c
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 2/11/2025 1:48:22 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29158-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

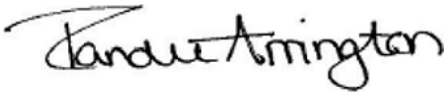
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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2/11/2025 1:48:22 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29158-1 Eurofins Spokane

Job Narrative
590-29158-1

Receipt
The samples were received on 1/27/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.4º C.

Receipt Exceptions

The following sample was listed on the Chain of Custody (COC); however, no sample was received: CFH-005-N-S006-01242025 (590-29158-31).

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29158-2	FMB-001-N-S001-01272025	Solid	01/27/25 09:50	01/27/25 15:30
590-29158-3	FMB-001-FD-S001-01272025	Solid	01/27/25 10:20	01/27/25 15:30
590-29158-4	FMB-001-N-S003-01272025	Solid	01/27/25 09:55	01/27/25 15:30
590-29158-8	FMB-003-N-S001-01242025	Solid	01/24/25 08:05	01/27/25 15:30
590-29158-9	FMB-003-FD-S001-01242025	Solid	01/24/25 08:35	01/27/25 15:30
590-29158-10	FMB-003-N-S003-01242025	Solid	01/24/25 08:10	01/27/25 15:30
590-29158-12	FMB-003-N-S010-01242025	Solid	01/24/25 08:20	01/27/25 15:30
590-29158-13	FMB-003-FD-S010-01242025	Solid	01/24/25 08:50	01/27/25 15:30
590-29158-16	FMB-002-N-S001-01242025	Solid	01/24/25 09:05	01/27/25 15:30
590-29158-17	FMB-002-N-S003-01242025	Solid	01/24/25 09:10	01/27/25 15:30
590-29158-22	CFH-007-N-S001-01242025	Solid	01/24/25 11:05	01/27/25 15:30
590-29158-23	CFH-007-FD-S001-01242025	Solid	01/24/25 11:35	01/27/25 15:30
590-29158-24	CFH-007-N-S003-01242025	Solid	01/24/25 11:10	01/27/25 15:30
590-29158-26	CFH-006-N-S001-01242025	Solid	01/24/25 11:50	01/27/25 15:30
590-29158-28	CFH-005-N-S001-01242025	Solid	01/24/25 12:05	01/27/25 15:30
590-29158-29	CFH-005-N-S003-01242025	Solid	01/24/25 12:10	01/27/25 15:30
590-29158-30	CFH-005-FD-S003-01242025	Solid	01/24/25 12:40	01/27/25 15:30
590-29158-33	CFH-004-N-S001-01242025	Solid	01/24/25 13:05	01/27/25 15:30
590-29158-34	CFH-004-N-S003-01242025	Solid	01/24/25 13:10	01/27/25 15:30
590-29158-36	CFH-004-N-S010-01242025	Solid	01/24/25 13:20	01/27/25 15:30
590-29158-37	CFH-004-FD-S010-01242025	Solid	01/24/25 13:50	01/27/25 15:30
590-29158-40	CFH-003-N-S001-01242025	Solid	01/24/25 14:20	01/27/25 15:30
590-29158-41	CFH-003-N-S003-01242025	Solid	01/24/25 14:25	01/27/25 15:30
590-29158-43	CFH-003-N-S009-01242025	Solid	01/24/25 14:35	01/27/25 15:30
590-29158-44	CFH-003-FD-S009-01242025	Solid	01/24/25 15:05	01/27/25 15:30
590-29158-46	CFH-002-N-S001-01242025	Solid	01/24/25 15:05	01/27/25 15:30
590-29158-47	CFH-002-FD-S001-01242025	Solid	01/24/25 15:35	01/27/25 15:30
590-29158-48	CFH-002-N-S003-01242025	Solid	01/24/25 15:10	01/27/25 15:30
590-29158-53	CFH-001-N-S001-01242025	Solid	01/24/25 15:50	01/27/25 15:30
590-29158-54	CFH-001-N-S003-01242025	Solid	01/24/25 15:55	01/27/25 15:30
590-29158-58	CFH-006-N-S003-01242025	Solid	01/24/25 11:55	01/27/25 15:30

Client: Haley & Aldrich, Inc. Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: FMB-001-N-S001-01272025 — Lab Sample ID: 590-29158-2

Date Collected: 01/27/25 09:50 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			02/06/25 21:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.1		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-001-FD-S001-01272025 — Lab Sample ID: 590-29158-3

Date Collected: 01/27/25 10:20 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1800	J	2000	97	mg/Kg			02/06/25 21:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.7		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-001-N-S003-01272025 — Lab Sample ID: 590-29158-4

Date Collected: 01/27/25 09:55 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	680	J	2000	97	mg/Kg			02/07/25 18:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-003-N-S001-01242025 — Lab Sample ID: 590-29158-8

Date Collected: 01/24/25 08:05 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5200		2000	97	mg/Kg			02/07/25 20:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.7		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-003-FD-S001-01242025 — Lab Sample ID: 590-29158-9

Date Collected: 01/24/25 08:35 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4700		2000	97	mg/Kg			02/07/25 21:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.7		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-003-N-S003-01242025 Lab Sample ID: 590-29158-10

Date Collected: 01/24/25 08:10 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3000		2000	97	mg/Kg			02/07/25 21:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.1		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-003-N-S010-01242025 Lab Sample ID: 590-29158-12

Date Collected: 01/24/25 08:20 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	440	J	2000	97	mg/Kg			02/07/25 22:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-003-FD-S010-01242025 Lab Sample ID: 590-29158-13

Date Collected: 01/24/25 08:50 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	380	J	2000	97	mg/Kg			02/07/25 22:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-002-N-S001-01242025 Lab Sample ID: 590-29158-16

Date Collected: 01/24/25 09:05 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5100		2000	97	mg/Kg			02/07/25 22:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.6		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: FMB-002-N-S003-01242025 Lab Sample ID: 590-29158-17

Date Collected: 01/24/25 09:10 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5100		2000	97	mg/Kg			02/07/25 22:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-007-N-S001-01242025 — Lab Sample ID: 590-29158-22

Date Collected: 01/24/25 11:05 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1900	J	2000	97	mg/Kg			02/07/25 23:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-007-FD-S001-01242025 — Lab Sample ID: 590-29158-23

Date Collected: 01/24/25 11:35 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3400		2000	97	mg/Kg			02/07/25 23:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-007-N-S003-01242025 — Lab Sample ID: 590-29158-24

Date Collected: 01/24/25 11:10 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	29000		2000	97	mg/Kg			02/07/25 23:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-006-N-S001-01242025 — Lab Sample ID: 590-29158-26

Date Collected: 01/24/25 11:50 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	400	J	2000	97	mg/Kg			02/07/25 23:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-005-N-S001-01242025 — Lab Sample ID: 590-29158-28

Date Collected: 01/24/25 12:05 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3700		2000	97	mg/Kg			02/08/25 00:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-005-N-S003-01242025 Lab Sample ID: 590-29158-29

Date Collected: 01/24/25 12:10 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	650	J	2000	97	mg/Kg			02/08/25 00:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-005-FD-S003-01242025 Lab Sample ID: 590-29158-30

Date Collected: 01/24/25 12:40 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	320	J	2000	97	mg/Kg			02/08/25 01:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.4		0.1	0.1	SU			01/31/25 11:47	1

Client Sample ID: CFH-004-N-S001-01242025 Lab Sample ID: 590-29158-33

Date Collected: 01/24/25 13:05 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	7900		2000	97	mg/Kg			02/08/25 01:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-004-N-S003-01242025 Lab Sample ID: 590-29158-34

Date Collected: 01/24/25 13:10 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	1300	J	2000	97	mg/Kg			02/08/25 01:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-004-N-S010-01242025 Lab Sample ID: 590-29158-36

Date Collected: 01/24/25 13:20 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	470	J	2000	97	mg/Kg			02/08/25 01:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-004-FD-S010-01242025 — Lab Sample ID: 590-29158-37

Date Collected: 01/24/25 13:50 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	240	J	2000	97	mg/Kg			02/08/25 02:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-003-N-S001-01242025 — Lab Sample ID: 590-29158-40

Date Collected: 01/24/25 14:20 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2600		2000	97	mg/Kg			02/08/25 02:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-003-N-S003-01242025 — Lab Sample ID: 590-29158-41

Date Collected: 01/24/25 14:25 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2900	F1	2000	97	mg/Kg			02/08/25 17:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-003-N-S009-01242025 — Lab Sample ID: 590-29158-43

Date Collected: 01/24/25 14:35 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	500	J	2000	97	mg/Kg			02/08/25 18:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.1		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-003-FD-S009-01242025 — Lab Sample ID: 590-29158-44

Date Collected: 01/24/25 15:05 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	520	J	2000	97	mg/Kg			02/08/25 19:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.2		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-002-N-S001-01242025 — Lab Sample ID: 590-29158-46

Date Collected: 01/24/25 15:05 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2100		2000	97	mg/Kg			02/08/25 19:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-002-FD-S001-01242025 — Lab Sample ID: 590-29158-47

Date Collected: 01/24/25 15:35 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2100		2000	97	mg/Kg			02/08/25 20:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-002-N-S003-01242025 — Lab Sample ID: 590-29158-48

Date Collected: 01/24/25 15:10 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	900	J	2000	97	mg/Kg			02/08/25 20:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.3		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-001-N-S001-01242025 — Lab Sample ID: 590-29158-53

Date Collected: 01/24/25 15:50 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3100		2000	97	mg/Kg			02/08/25 20:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8		0.1	0.1	SU			01/31/25 11:49	1

Client Sample ID: CFH-001-N-S003-01242025 — Lab Sample ID: 590-29158-54

Date Collected: 01/24/25 15:55 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2500		2000	97	mg/Kg			02/08/25 20:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5		0.1	0.1	SU			01/31/25 11:49	1

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-006-N-S003-01242025
Lab Sample ID: 590-29158-58
Date Collected: 01/24/25 11:55
Matrix: Solid
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	360	J	2000	97	mg/Kg			02/08/25 21:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.1	0.1	SU			01/31/25 11:49	1

Method: 9045D - pH

Lab Sample ID: LCS 590-52099/1
Matrix: Solid
Analysis Batch: 52099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29158-2 DU
Matrix: Solid
Analysis Batch: 52099

Client Sample ID: FMB-001-N-S001-01272025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	10.1			10.0		SU				0	20

Lab Sample ID: LCS 590-52100/1
Matrix: Solid
Analysis Batch: 52100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	98.6 - 101.4		

Lab Sample ID: 590-29158-58 DU
Matrix: Solid
Analysis Batch: 52100

Client Sample ID: CFH-006-N-S003-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.6			7.9		SU				3	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-484420/3
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/06/25 14:08	1

Lab Sample ID: LCS 580-484420/4
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	317000		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 580-484420/5
Matrix: Solid
Analysis Batch: 484420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	326000		mg/Kg		102	80 - 120	3	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 580-484493/3
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/07/25 17:56	1

Lab Sample ID: LCS 580-484493/4
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	328000		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 580-484493/5
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	308000		mg/Kg		96	80 - 120	6	20

Lab Sample ID: 590-29158-4 MS
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: FMB-001-N-S003-01272025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	680	J	76100	79000		mg/Kg		103	75 - 125		

Lab Sample ID: 590-29158-4 MSD
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: FMB-001-N-S003-01272025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	680	J	80000	83200		mg/Kg		103	75 - 125	5	20

Lab Sample ID: 590-29158-4 DU
Matrix: Solid
Analysis Batch: 484493

Client Sample ID: FMB-001-N-S003-01272025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	680	J		360	J F5	mg/Kg				61	20

Lab Sample ID: MB 580-484627/3
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/08/25 17:06	1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 580-484627/4
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	286000		mg/Kg		89	80 - 120		

Lab Sample ID: LCSD 580-484627/5
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	276000		mg/Kg		86	80 - 120	3	20

Lab Sample ID: 590-29158-41 MS
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: CFH-003-N-S003-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup	2900	F1	77400	104000	F1	mg/Kg		130	75 - 125		

Lab Sample ID: 590-29158-41 MSD
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: CFH-003-N-S003-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	2900	F1	84300	101000		mg/Kg		116	75 - 125	2	20

Lab Sample ID: 590-29158-41 DU
Matrix: Solid
Analysis Batch: 484627

Client Sample ID: CFH-003-N-S003-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon - Average Dup	2900	F1	3130		mg/Kg		8	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-001-N-S001-01272025
Lab Sample ID: 590-29158-2
Date Collected: 01/27/25 09:50
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.28 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.3000 mg	203.3000 mg	484420	02/06/25 21:06	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-001-FD-S001-01272025
Lab Sample ID: 590-29158-3
Date Collected: 01/27/25 10:20
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.20 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.9000 mg	200.9000 mg	484420	02/06/25 21:21	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-001-N-S003-01272025
Lab Sample ID: 590-29158-4
Date Collected: 01/27/25 09:55
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.53 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.7000 mg	198.7000 mg	484493	02/07/25 18:40	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-003-N-S001-01242025
Lab Sample ID: 590-29158-8
Date Collected: 01/24/25 08:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.6000 mg	206.6000 mg	484493	02/07/25 20:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-003-FD-S001-01242025
Lab Sample ID: 590-29158-9
Date Collected: 01/24/25 08:35
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.20 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	193.5000 mg	193.5000 mg	484493	02/07/25 21:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-003-N-S003-01242025
Lab Sample ID: 590-29158-10
Date Collected: 01/24/25 08:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.15 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.6000 mg	195.6000 mg	484493	02/07/25 21:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-003-N-S010-01242025
Lab Sample ID: 590-29158-12
Date Collected: 01/24/25 08:20
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.1000 mg	203.1000 mg	484493	02/07/25 22:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-003-FD-S010-01242025
Lab Sample ID: 590-29158-13
Date Collected: 01/24/25 08:50
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.01 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	197.8000 mg	197.8000 mg	484493	02/07/25 22:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-002-N-S001-01242025
Lab Sample ID: 590-29158-16
Date Collected: 01/24/25 09:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	198.9000 mg	198.9000 mg	484493	02/07/25 22:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: FMB-002-N-S003-01242025
Lab Sample ID: 590-29158-17
Date Collected: 01/24/25 09:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.17 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.0000 mg	199.0000 mg	484493	02/07/25 22:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-007-N-S001-01242025
Lab Sample ID: 590-29158-22
Date Collected: 01/24/25 11:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.08 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	213.5000 mg	213.5000 mg	484493	02/07/25 23:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-007-FD-S001-01242025
Lab Sample ID: 590-29158-23
Date Collected: 01/24/25 11:35
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.52 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.7000 mg	196.7000 mg	484493	02/07/25 23:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-007-N-S003-01242025
Lab Sample ID: 590-29158-24
Date Collected: 01/24/25 11:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.27 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	209.0000 mg	209.0000 mg	484493	02/07/25 23:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-006-N-S001-01242025
Lab Sample ID: 590-29158-26
Date Collected: 01/24/25 11:50
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.20 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.5000 mg	206.5000 mg	484493	02/07/25 23:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-005-N-S001-01242025
Lab Sample ID: 590-29158-28
Date Collected: 01/24/25 12:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.34 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	214.4000 mg	214.4000 mg	484493	02/08/25 00:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-005-N-S003-01242025
Lab Sample ID: 590-29158-29
Date Collected: 01/24/25 12:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.24 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.0000 mg	201.0000 mg	484493	02/08/25 00:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-005-FD-S003-01242025
Lab Sample ID: 590-29158-30
Date Collected: 01/24/25 12:40
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.48 g	10.0 mL	52099	01/31/25 11:47	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.3000 mg	194.3000 mg	484493	02/08/25 01:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-004-N-S001-01242025
Lab Sample ID: 590-29158-33
Date Collected: 01/24/25 13:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.8000 mg	205.8000 mg	484493	02/08/25 01:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-004-N-S003-01242025
Lab Sample ID: 590-29158-34
Date Collected: 01/24/25 13:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.39 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	205.8000 mg	205.8000 mg	484493	02/08/25 01:44	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-004-N-S010-01242025
Lab Sample ID: 590-29158-36
Date Collected: 01/24/25 13:20
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.47 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	213.3000 mg	213.3000 mg	484493	02/08/25 01:59	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-004-FD-S010-01242025
Lab Sample ID: 590-29158-37
Date Collected: 01/24/25 13:50
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.35 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	195.4000 mg	195.4000 mg	484493	02/08/25 02:14	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-003-N-S001-01242025
Lab Sample ID: 590-29158-40
Date Collected: 01/24/25 14:20
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.16 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.7000 mg	194.7000 mg	484493	02/08/25 02:29	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-003-N-S003-01242025
Lab Sample ID: 590-29158-41
Date Collected: 01/24/25 14:25
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	194.7000 mg	194.7000 mg	484627	02/08/25 17:51	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-003-N-S009-01242025
Lab Sample ID: 590-29158-43
Date Collected: 01/24/25 14:35
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.21 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	204.9000 mg	204.9000 mg	484627	02/08/25 18:50	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-003-FD-S009-01242025
Lab Sample ID: 590-29158-44
Date Collected: 01/24/25 15:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.25 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	206.2000 mg	206.2000 mg	484627	02/08/25 19:05	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-002-N-S001-01242025
Lab Sample ID: 590-29158-46
Date Collected: 01/24/25 15:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.14 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	200.6000 mg	200.6000 mg	484627	02/08/25 19:20	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-002-FD-S001-01242025
Lab Sample ID: 590-29158-47
Date Collected: 01/24/25 15:35
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.10 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	221.5000 mg	221.5000 mg	484627	02/08/25 20:04	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-002-N-S003-01242025
Lab Sample ID: 590-29158-48
Date Collected: 01/24/25 15:10
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.26 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	201.3000 mg	201.3000 mg	484627	02/08/25 20:19	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-001-N-S001-01242025
Lab Sample ID: 590-29158-53
Date Collected: 01/24/25 15:50
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.00 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	199.7000 mg	199.7000 mg	484627	02/08/25 20:34	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Client Sample ID: CFH-001-N-S003-01242025
Lab Sample ID: 590-29158-54
Date Collected: 01/24/25 15:55
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.07 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	219.6000 mg	219.6000 mg	484627	02/08/25 20:49	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-006-N-S003-01242025
Lab Sample ID: 590-29158-58

Date Collected: 01/24/25 11:55
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.07 g	10.0 mL	52100	01/31/25 11:49	RMA	EET SPK
Total/NA	Analysis	9060A		1	196.2000 mg	196.2000 mg	484627	02/08/25 21:04	FCG	EET SEA
Total/NA	Analysis	Moisture		1			52036	01/28/25 15:43	AMB	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc. Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-1
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
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Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-001-N-S0005-01272025	1/27/2025	0945	Soil				X	1
FMB-001-N-S001-01272025	1/27/2025	0950	Soil	X	X	X		1
FMB-001-FD-S001-01272025	1/27/2025	1020	Soil	X	X	X		1
FMB-001-N-S003-01272025	1/27/2025	0955	Soil	X	X	X		1
FMB-001-N-S006-01272025	1/27/2025	1000	Soil				X	1
FMB-001-N-S005-01272025	1/27/2025	1005	Soil				X	1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC. Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Pelan
Firm Haley Aldrich	Firm H&A
Date 01/27/25 Time 1400	Date 1/27/25 1400
Relinquished by	**Received by**
Sign	Sign
Print Luke Pelan	Print Jeremiah Brownlee
Firm H&A	Firm ~~EEGA~~ Spokane
Date 1/27/25 Time 1530	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29158 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-003-N-S0005-01242025	1/24/2025	0800	Soil				X	1
FMB-003-N-S001-01242025	1/24/2025	0805	Soil	X	X	X		1
FMB-003-FD-S001-01242025	1/24/2025	0835	Soil	X	X	X		1
FMB-003-N-S003-01242025	1/24/2025	0810	Soil	X	X	X		1
FMB-003-N-S006-01242025	1/24/2025	0815	Soil				X	1
FMB-003-N-S010-01242025	1/24/2025	0820	Soil	X	X	X		1
FMB-003-FD-S010-01242025	1/24/2025	0850	Soil	X	X	X		1
FMB-003-N-S015-01242025	1/24/2025	0825	Soil				X	1
FMB-002-N-S0005-01242025	1/24/2025	0900	Soil				X	1
FMB-002-N-S001-01242025	1/24/2025	0905	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

Obs Temp 4.1°C Corr Temp: 4.9°C ID# IR06

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peden
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1900	Date 1/25/25 1800
Relinquished by	**Received by**
Sign	Sign
Print Luke Peden	Print Rebecca D. Beaudoin
Firm H&A	Firm EPA Spokane
Date 1/25/25 Time 15:00	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-002-N-S003-01242025	1/24/2025	0910	Soil	X	X	X		1
FMB-002-N-S006-01242026	1/24/2025	0915	Soil				X	1
FMB-002-N-S010-01242027	1/24/2025	0920	Soil				X	1
FMB-002-N-S013-01242028	1/24/2025	0925	Soil				X	1
CFH-007-N-S000-01242025	1/24/2025	1100	Soil				X	1
CFH-007-N-S001-01242025	1/24/2025	1105	Soil	X	X	X		1
CFH-007-FD-S001-01242025	1/24/2025	1135	Soil	X	X	X		1
CFH-007-N-S003-01242025	1/24/2025	1110	Soil	X	X	X		1
CFH-006-N-S000-01242025	1/24/2025	1145	Soil				X	1
CFH-006-N-S001-01242025	1/24/2025	1150	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1800	Date 1/24/25 1800
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Amanda M Brown
Firm H&A	Firm DEQ Spokane
Date 1/27/25 Time 15:20	Date 1/27/25 1550
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/27/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-005-N-S000-01242025	1/24/2025	1200	Soil				X	1
CFH-005-N-S001-01242025	1/24/2025	1205	Soil	X	X	X		1
CFH-005-N-S003-01242025	1/24/2025	1210	Soil	X	X	X		1
CFH-005-FD-S003-01242025	1/24/2025	1240	Soil	X	X	X		1
CFH-005-N-S006-01242025	1/24/2025	1215	Soil				X	1
CFH-004-N-S000-01242025	1/24/2025	1300	Soil				X	1
CFH-004-N-S001-01242025	1/24/2025	1305	Soil	X	X	X		1
CFH-004-N-S003-01242025	1/24/2025	1310	Soil	X	X	X		1
CFH-004-N-S006-01242025	1/24/2025	1315	Soil				X	1
CFH-004-N-S010-01242025	1/24/2025	1320	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by
Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by
Sign
Print Luke Peden
Firm H&A
Date 1/24/25 1800

Relinquished by
Sign
Print Luke Peden
Firm H&A
Date 1/27/25 Time 15:20

Received by
Sign
Print Aaron Hibbert
Firm EPA SPOKANE
Date 01/27/25 1520

Relinquished by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

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_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW 846 9045D	Moisture Content	HOLD	Number of Containers
CFH-004-FD-S010-01242025	1/24/2025	1350	Soil	X	X	X		1
CFH-004-N-S015-01242025	1/24/2025	1325	Soil				X	1
CFH-003-N-S000-01242025	1/24/2025	1415	Soil				X	1
CFH-003-N-S001-01242025	1/24/2025	1420	Soil	X	X	X		1
CFH-003-N-S003-01242025	1/24/2025	1425	Soil	X	X	X		1
CFH-003-N-S006-01242025	1/24/2025	1430	Soil				X	1
CFH-003-N-S009-01242025	1/24/2025	1435	Soil	X	X	X		1
CFH-003-FD-S009-01242025	1/24/2025	1505	Soil	X	X	X		1
CFH-002-N-S000-01242025	1/24/2025	1500	Soil				X	1
CFH-002-N-S001-01242025	1/24/2025	1505	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed

– TOC- Total Organic Carbon

Sampled and Relinquished by

Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by

Sign
Print Luke Peden
Firm H+A
Date 1/24/25 1800

Relinquished by

Sign
Print Luke Peden
Firm H&A
Date 1/29/25 Time 15:20

Received by

Sign
Print Deanna Beaark
Firm ESI Spokane
Date 01/27/25 1530

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave,
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-002-FD-S001-01242025	1/24/2025	1535	Soil	X	X	X		1
CFH-002-N-S003-01242025	1/24/2025	1510	Soil	X	X	X		1
CFH-002-N-S006-01242025	1/24/2025	1515	Soil				X	1
CFH-002-N-S010-01242025	1/24/2025	1520	Soil				X	1
CFH-002-N-S012-01242025	1/24/2025	1525	Soil				X	1
CFH-001-N-S000-01242025	1/24/2025	1545	Soil				X	1
CFH-001-N-S001-01242025	1/24/2025	1550	Soil	X	X	X		1
CFH-001-N-S003-01242025	1/24/2025	1555	Soil	X	X	X		1
CFH-001-N-S006-01242025	1/24/2025	1600	Soil				X	1
CFH-001-N-S010-01242025	1/24/2025	1605	Soil				X	1

Comments(special instructions, precautions, additional method numbers, etc.)
- PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
- TOC- Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1800	Date 1/24/25 1900
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Deanne N. Brodnik
Firm H&A	Firm EPA Spokane
Date 1/27/25 Time 15:20	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/27/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-001-N-S013-01242025	1/24/2025	1610	Soil				X	1
CFH-006-N-S003-01242025	1/24/2025	1155	Soil	X	X	X	DUP	1
								1
								1
								1
								1
								1
								1
								1
								1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm Haley & Aldrich
Date 01/24/2025 Time 1500	Date 1/24/25 1809
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Alexandria Bacon
Firm H&A	Firm Eurofins Spokane
Date 1/27/25 Time 15:20	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10450.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 4
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/10/2025	Analysis Requested		Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FMB-001-N-S001-01272025 (590-29158-2)	1/27/25	09:50 Pacific	G	Solid			X	1	
FMB-001-FD-S001-01272025 (590-29158-3)	1/27/25	10:20 Pacific	G	Solid			X	1	
FMB-001-N-S003-01272025 (590-29158-4)	1/27/25	09:55 Pacific	G	Solid			X	1	
FMB-003-N-S001-01242025 (590-29158-8)	**1/24/25**	**08:05 Pacific**	**G**	**Solid**			**X**	1	
FMB-003-FD-S001-01242025 (590-29158-9)	1/24/25	08:35 Pacific	G	Solid			X	1	
FMB-003-N-S003-01242025 (590-29158-10)	1/24/25	08:10 Pacific	G	Solid			X	1	
FMB-003-N-S010-01242025 (590-29158-12)	1/24/25	08:20 Pacific	G	Solid			X	1	
FMB-003-FD-S010-01242025 (590-29158-13)	1/24/25	08:50 Pacific	G	Solid			X	1	
FMB-002-N-S001-01242025 (590-29158-16)	1/24/25	09:05 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1/29/25 1530	GLPSRO		1-30-25 930	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 2.1/2.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10450.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 4
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/10/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FMB-002-N-S003-01242025 (590-29158-17)	1/24/25	09:10 Pacific	G	Solid			X		
CFH-007-N-S001-01242025 (590-29158-22)	1/24/25	11:05 Pacific	G	Solid			X		
CFH-007-FD-S001-01242025 (590-29158-23)	1/24/25	11:35 Pacific	G	Solid			X		
CFH-007-N-S003-01242025 (590-29158-24)	1/24/25	11:10 Pacific	G	Solid			X		
CFH-006-N-S001-01242025 (590-29158-26)	1/24/25	11:50 Pacific	G	Solid			X		
CFH-005-N-S001-01242025 (590-29158-28)	1/24/25	12:05 Pacific	G	Solid			X		
CFH-005-N-S003-01242025 (590-29158-29)	1/24/25	12:10 Pacific	G	Solid			X		
CFH-005-FD-S003-01242025 (590-29158-30)	1/24/25	12:40 Pacific	G	Solid			X		
CFH-004-N-S001-01242025 (590-29158-33)	1/24/25	13:05 Pacific	G	Solid			X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				1-30-25 930	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 2.1/2.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10450.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 3 of 4
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/10/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CFH-004-N-S003-01242025 (590-29158-34)	1/24/25	13:10 Pacific	G	Solid			X	1	
CFH-004-N-S010-01242025 (590-29158-36)	1/24/25	13:20 Pacific	G	Solid			X	1	
CFH-004-FD-S010-01242025 (590-29158-37)	1/24/25	13:50 Pacific	G	Solid			X	1	
CFH-003-N-S001-01242025 (590-29158-40)	1/24/25	14:20 Pacific	G	Solid			X	1	
CFH-003-N-S003-01242025 (590-29158-41)	1/24/25	14:25 Pacific	G	Solid			X	1	
CFH-003-N-S009-01242025 (590-29158-43)	1/24/25	14:35 Pacific	G	Solid			X	1	
CFH-003-FD-S009-01242025 (590-29158-44)	1/24/25	15:05 Pacific	G	Solid			X	1	
CFH-002-N-S001-01242025 (590-29158-46)	1/24/25	15:05 Pacific	G	Solid			X	1	
CFH-002-FD-S001-01242025 (590-29158-47)	1/24/25	15:35 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 1/29/25 1530	Company EETSPO	Received by:	Date/Time: 1-30-25 930	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1215 2.1 | 2.1

Ver: 10/10/2024

2/11/2025

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

2/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10450.4
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 4 of 4
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-1
Address: 5755 8th Street East, ,	Due Date Requested: 2/10/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CFH-002-N-S003-01242025 (590-29158-48)	1/24/25	15:10 Pacific	G	Solid			X	1	
CFH-001-N-S001-01242025 (590-29158-53)	1/24/25	15:50 Pacific	G	Solid			X	1	
CFH-001-N-S003-01242025 (590-29158-54)	1/24/25	15:55 Pacific	G	Solid			X	1	
CFH-006-N-S003-01242025 (590-29158-58)	1/24/25	11:55 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/29/25 1530	ECSPO		1-30-25 930	EETN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR5 2.1 | 2.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-1

Login Number: 29158

List Source: Eurofins Spokane

List Number: 1

Creator: Morris, Mackenzie 1

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-1

Login Number: 29158
List Number: 2
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 01/30/25 04:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 2.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 3/6/2025 5:18:36 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29158-3

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

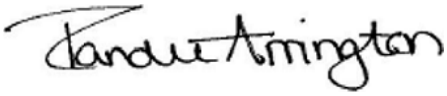
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
3/6/2025 5:18:36 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29158-3 Eurofins Spokane

Job Narrative
590-29158-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/27/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The following samples were activated by the client on 02/02/25: FMB-001-N-S0005-01272025 (590-29158-1), FMB-001-N-S005-01272025 (590-29158-6), FMB-003-N-S0005-01242025 (590-29158-7), FMB-003-N-S006-01242025 (590-29158-11), FMB-003-N-S015-01242025 (590-29158-14), FMB-002-N-S0005-01242025 (590-29158-15), FMB-002-N-S006-01242025 (590-29158-18), CFH-007-N-S000-01242025 (590-29158-21), CFH-006-N-S000-01242025 (590-29158-25), CFH-005-N-S000-01242025 (590-29158-27), CFH-004-N-S000-01242025 (590-29158-32), CFH-004-N-S006-01242025 (590-29158-35), CFH-004-N-S015-01242025 (590-29158-38), CFH-003-N-S000-01242025 (590-29158-39), CFH-003-N-S006-01242025 (590-29158-42), CFH-002-N-S000-01242025 (590-29158-45), CFH-001-N-S000-01242025 (590-29158-52) and CFH-001-N-S006-01242025 (590-29158-55).

General Chemistry
Method 9060A: The following samples were activated outside of holding time: FMB-003-N-S015-01242025 (590-29158-14) and FMB-002-N-S0005-01242025 (590-29158-15).

Method 9060A: The following samples were received outside of holding time: FMB-001-N-S0005-01272025 (590-29158-1), FMB-001-N-S005-01272025 (590-29158-6), FMB-003-N-S0005-01242025 (590-29158-7), FMB-003-N-S006-01242025 (590-29158-11), FMB-003-N-S015-01242025 (590-29158-14) and FMB-002-N-S006-01242025 (590-29158-18).

Method 9060A: The sample duplicate (DUP) precision for analytical batch 580-486689 was outside control limits. Sample matrix interference is suspected.

Method 9060A: The following samples were activated outside of holding time: CFH-007-N-S000-01242025 (590-29158-21), CFH-006-N-S000-01242025 (590-29158-25), CFH-005-N-S000-01242025 (590-29158-27), CFH-004-N-S000-01242025 (590-29158-32), CFH-004-N-S006-01242025 (590-29158-35), CFH-004-N-S015-01242025 (590-29158-38), CFH-003-N-S000-01242025 (590-29158-39), CFH-003-N-S006-01242025 (590-29158-42), CFH-001-N-S000-01242025 (590-29158-52) and CFH-001-N-S006-01242025 (590-29158-55).

Method 9060A: The following sample was activated outside of holding time: CFH-002-N-S000-01242025 (590-29158-45).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29158-1	FMB-001-N-S0005-01272025	Solid	01/27/25 09:45	01/27/25 15:30
590-29158-6	FMB-001-N-S005-01272025	Solid	01/27/25 10:05	01/27/25 15:30
590-29158-7	FMB-003-N-S0005-01242025	Solid	01/24/25 08:00	01/27/25 15:30
590-29158-11	FMB-003-N-S006-01242025	Solid	01/24/25 08:15	01/27/25 15:30
590-29158-14	FMB-003-N-S015-01242025	Solid	01/24/25 08:25	01/27/25 15:30
590-29158-15	FMB-002-N-S0005-01242025	Solid	01/24/25 09:00	01/27/25 15:30
590-29158-18	FMB-002-N-S006-01242025	Solid	01/24/25 09:15	01/27/25 15:30
590-29158-21	CFH-007-N-S000-01242025	Solid	01/24/25 11:00	01/27/25 15:30
590-29158-25	CFH-006-N-S000-01242025	Solid	01/24/25 11:45	01/27/25 15:30
590-29158-27	CFH-005-N-S000-01242025	Solid	01/24/25 12:00	01/27/25 15:30
590-29158-32	CFH-004-N-S000-01242025	Solid	01/24/25 13:00	01/27/25 15:30
590-29158-35	CFH-004-N-S006-01242025	Solid	01/24/25 13:15	01/27/25 15:30
590-29158-38	CFH-004-N-S015-01242025	Solid	01/24/25 13:25	01/27/25 15:30
590-29158-39	CFH-003-N-S000-01242025	Solid	01/24/25 14:15	01/27/25 15:30
590-29158-42	CFH-003-N-S006-01242025	Solid	01/24/25 14:30	01/27/25 15:30
590-29158-45	CFH-002-N-S000-01242025	Solid	01/24/25 15:00	01/27/25 15:30
590-29158-52	CFH-001-N-S000-01242025	Solid	01/24/25 15:45	01/27/25 15:30
590-29158-55	CFH-001-N-S006-01242025	Solid	01/24/25 16:00	01/27/25 15:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: FMB-001-N-S0005-01272025 Lab Sample ID: 590-29158-1

Date Collected: 01/27/25 09:45 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	10.1	HF			SU			02/27/25 21:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2900	H	2000	97	mg/Kg			02/25/25 14:15	1

Client Sample ID: FMB-001-N-S005-01272025 Lab Sample ID: 590-29158-6

Date Collected: 01/27/25 10:05 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.8	HF			SU			02/27/25 21:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	340	J H	2000	97	mg/Kg			02/25/25 14:30	1

Client Sample ID: FMB-003-N-S0005-01242025 Lab Sample ID: 590-29158-7

Date Collected: 01/24/25 08:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.6	HF			SU			02/24/25 15:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	6900	H	2000	97	mg/Kg			03/05/25 22:09	1

Client Sample ID: FMB-003-N-S006-01242025 Lab Sample ID: 590-29158-11

Date Collected: 01/24/25 08:15 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	9.0	HF			SU			02/24/25 15:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	360	J H	2000	97	mg/Kg			03/05/25 22:24	1

Client Sample ID: FMB-003-N-S015-01242025 Lab Sample ID: 590-29158-14

Date Collected: 01/24/25 08:25 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.9	HF			SU			02/24/25 15:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	290	J H	2000	97	mg/Kg			03/05/25 13:22	1

Client Sample ID: FMB-002-N-S0005-01242025 Lab Sample ID: 590-29158-15

Date Collected: 01/24/25 09:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	11.4	HF			SU			02/24/25 15:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5100	H	2000	97	mg/Kg			03/05/25 13:37	1

Client Sample ID: FMB-002-N-S006-01242025 Lab Sample ID: 590-29158-18

Date Collected: 01/24/25 09:15 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.9	HF			SU			02/24/25 15:31	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	570	J H	2000	97	mg/Kg			03/05/25 13:52	1

Client Sample ID: CFH-007-N-S000-01242025 Lab Sample ID: 590-29158-21

Date Collected: 01/24/25 11:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.5	HF			SU			02/24/25 15:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2100	H	2000	97	mg/Kg			03/06/25 01:22	1

Client Sample ID: CFH-006-N-S000-01242025 Lab Sample ID: 590-29158-25

Date Collected: 01/24/25 11:45 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/24/25 15:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	2600	H	2000	97	mg/Kg			03/06/25 02:21	1

Client Sample ID: CFH-005-N-S000-01242025 Lab Sample ID: 590-29158-27

Date Collected: 01/24/25 12:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.7	HF			SU			02/24/25 15:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	5800	H	2000	97	mg/Kg			03/06/25 02:36	1

Client Sample ID: CFH-004-N-S000-01242025 — Lab Sample ID: 590-29158-32

Date Collected: 01/24/25 13:00 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5	HF			SU			02/24/25 15:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	8400	H	2000	97	mg/Kg			03/06/25 02:51	1

Client Sample ID: CFH-004-N-S006-01242025 — Lab Sample ID: 590-29158-35

Date Collected: 01/24/25 13:15 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.2	HF			SU			02/24/25 15:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	570	J H	2000	97	mg/Kg			03/06/25 03:35	1

Client Sample ID: CFH-004-N-S015-01242025 — Lab Sample ID: 590-29158-38

Date Collected: 01/24/25 13:25 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.7	HF			SU			02/24/25 15:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	240	J H	2000	97	mg/Kg			03/06/25 03:50	1

Client Sample ID: CFH-003-N-S000-01242025 — Lab Sample ID: 590-29158-39

Date Collected: 01/24/25 14:15 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.3	HF			SU			02/24/25 15:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4700	H	2000	97	mg/Kg			03/06/25 04:05	1

Client Sample ID: CFH-003-N-S006-01242025 — Lab Sample ID: 590-29158-42

Date Collected: 01/24/25 14:30 — **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.8	HF			SU			02/24/25 15:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	510	J H	2000	97	mg/Kg			03/06/25 11:19	1

Client Sample ID: CFH-002-N-S000-01242025 Lab Sample ID: 590-29158-45

Date Collected: 01/24/25 15:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6	HF			SU			02/24/25 15:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	4900	H	2000	97	mg/Kg			03/05/25 22:54	1

Client Sample ID: CFH-001-N-S000-01242025 Lab Sample ID: 590-29158-52

Date Collected: 01/24/25 15:45 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.5	HF			SU			02/24/25 15:52	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	3800	H	2000	97	mg/Kg			03/06/25 11:34	1

Client Sample ID: CFH-001-N-S006-01242025 Lab Sample ID: 590-29158-55

Date Collected: 01/24/25 16:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.6	HF			SU			02/24/25 15:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	980	J H	2000	97	mg/Kg			03/06/25 11:48	1

Method: 9045D - pH

Lab Sample ID: 590-29158-55 DU
Matrix: Solid
Analysis Batch: 485720

Client Sample ID: CFH-001-N-S006-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.6	HF		8.6		SU				0.8	1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-486432/3
Matrix: Solid
Analysis Batch: 486432

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			02/25/25 12:32	1

Lab Sample ID: LCS 580-486432/4
Matrix: Solid
Analysis Batch: 486432

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	310000		mg/Kg		97	80 - 120		

Lab Sample ID: LCSD 580-486432/5
Matrix: Solid
Analysis Batch: 486432

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	311000		mg/Kg		97	80 - 120	1	20

Lab Sample ID: MB 580-486627/3
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/04/25 23:33	1

Lab Sample ID: LCS 580-486627/4
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Organic Carbon - Average Dup			320000	298000		mg/Kg		93	80 - 120		

Lab Sample ID: LCSD 580-486627/5
Matrix: Solid
Analysis Batch: 486627

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup			320000	311000		mg/Kg		97	80 - 120	4	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 580-486650/3
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/05/25 15:33	1

Lab Sample ID: LCS 580-486650/4
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	335000		mg/Kg		105	80 - 120

Lab Sample ID: LCSD 580-486650/5
Matrix: Solid
Analysis Batch: 486650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	293000		mg/Kg		91	80 - 120	14	20

Lab Sample ID: MB 580-486689/3
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	ND		2000	97	mg/Kg			03/06/25 00:37	1

Lab Sample ID: LCS 580-486689/4
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	329000		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 580-486689/5
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	300000		mg/Kg		94	80 - 120	9	20

Lab Sample ID: 590-29158-21 MS
Matrix: Solid
Analysis Batch: 486689

Client Sample ID: CFH-007-N-S000-01242025
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	2100	H	84100	82700		mg/Kg		96	75 - 125

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 590-29158-21 MSD
Client Sample ID: CFH-007-N-S000-01242025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486689

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	2100	H	83900	77700		mg/Kg		90	75 - 125	6	20

Lab Sample ID: 590-29158-21 DU
Client Sample ID: CFH-007-N-S000-01242025
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 486689

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Carbon - Average Dup	2100	H		2220		mg/Kg				6	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-001-N-S0005-01272025
Lab Sample ID: 590-29158-1
Date Collected: 01/27/25 09:45
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:23	FCG	EET SEA
Total/NA	Analysis	9060A		1	203.7000 mg	203.7000 mg	486432	02/25/25 14:15	FCG	EET SEA

Client Sample ID: FMB-001-N-S005-01272025
Lab Sample ID: 590-29158-6
Date Collected: 01/27/25 10:05
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			486099	02/27/25 21:25	FCG	EET SEA
Total/NA	Analysis	9060A		1	200.2000 mg	200.2000 mg	486432	02/25/25 14:30	FCG	EET SEA

Client Sample ID: FMB-003-N-S0005-01242025
Lab Sample ID: 590-29158-7
Date Collected: 01/24/25 08:00
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:23	CSS	EET SEA
Total/NA	Analysis	9060A		1	201.5000 mg	201.5000 mg	486650	03/05/25 22:09	FCG	EET SEA

Client Sample ID: FMB-003-N-S006-01242025
Lab Sample ID: 590-29158-11
Date Collected: 01/24/25 08:15
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:25	CSS	EET SEA
Total/NA	Analysis	9060A		1	213.8000 mg	213.8000 mg	486650	03/05/25 22:24	FCG	EET SEA

Client Sample ID: FMB-003-N-S015-01242025
Lab Sample ID: 590-29158-14
Date Collected: 01/24/25 08:25
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:27	CSS	EET SEA
Total/NA	Analysis	9060A		1	210.4000 mg	210.4000 mg	486627	03/05/25 13:22	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc. Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-002-N-S0005-01242025 Lab Sample ID: 590-29158-15

Date Collected: 01/24/25 09:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:29	CSS	EET SEA
Total/NA	Analysis	9060A		1	200.3000 mg	200.3000 mg	486627	03/05/25 13:37	FCG	EET SEA

Client Sample ID: FMB-002-N-S006-01242025 Lab Sample ID: 590-29158-18

Date Collected: 01/24/25 09:15 **Matrix: Solid**
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:31	CSS	EET SEA
Total/NA	Analysis	9060A		1	205.1000 mg	205.1000 mg	486627	03/05/25 13:52	FCG	EET SEA

Client Sample ID: CFH-007-N-S000-01242025 Lab Sample ID: 590-29158-21

Date Collected: 01/24/25 11:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:33	CSS	EET SEA
Total/NA	Analysis	9060A		1	197.7000 mg	197.7000 mg	486689	03/06/25 01:22	FCG	EET SEA

Client Sample ID: CFH-006-N-S000-01242025 Lab Sample ID: 590-29158-25

Date Collected: 01/24/25 11:45 **Matrix: Solid**
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:35	CSS	EET SEA
Total/NA	Analysis	9060A		1	202.5000 mg	202.5000 mg	486689	03/06/25 02:21	FCG	EET SEA

Client Sample ID: CFH-005-N-S000-01242025 Lab Sample ID: 590-29158-27

Date Collected: 01/24/25 12:00 **Matrix: Solid**
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:38	CSS	EET SEA
Total/NA	Analysis	9060A		1	199.0000 mg	199.0000 mg	486689	03/06/25 02:36	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-004-N-S000-01242025
Lab Sample ID: 590-29158-32
Date Collected: 01/24/25 13:00
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:40	CSS	EET SEA
Total/NA	Analysis	9060A		1	194.3000 mg	194.3000 mg	486689	03/06/25 02:51	FCG	EET SEA

Client Sample ID: CFH-004-N-S006-01242025
Lab Sample ID: 590-29158-35
Date Collected: 01/24/25 13:15
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:42	CSS	EET SEA
Total/NA	Analysis	9060A		1	199.5000 mg	199.5000 mg	486689	03/06/25 03:35	FCG	EET SEA

Client Sample ID: CFH-004-N-S015-01242025
Lab Sample ID: 590-29158-38
Date Collected: 01/24/25 13:25
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:44	CSS	EET SEA
Total/NA	Analysis	9060A		1	205.4000 mg	205.4000 mg	486689	03/06/25 03:50	FCG	EET SEA

Client Sample ID: CFH-003-N-S000-01242025
Lab Sample ID: 590-29158-39
Date Collected: 01/24/25 14:15
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:46	CSS	EET SEA
Total/NA	Analysis	9060A		1	200.1000 mg	200.1000 mg	486689	03/06/25 04:05	FCG	EET SEA

Client Sample ID: CFH-003-N-S006-01242025
Lab Sample ID: 590-29158-42
Date Collected: 01/24/25 14:30
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486160	02/28/25 12:45	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:48	CSS	EET SEA
Total/NA	Analysis	9060A		1	200.0000 mg	200.0000 mg	486689	03/06/25 11:19	FCG	EET SEA

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: CFH-002-N-S000-01242025
Lab Sample ID: 590-29158-45
Date Collected: 01/24/25 15:00
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486397	03/04/25 10:54	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:50	CSS	EET SEA
Total/NA	Analysis	9060A		1	211.2000 mg	211.2000 mg	486650	03/05/25 22:54	FCG	EET SEA

Client Sample ID: CFH-001-N-S000-01242025
Lab Sample ID: 590-29158-52
Date Collected: 01/24/25 15:45
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486397	03/04/25 10:54	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:52	CSS	EET SEA
Total/NA	Analysis	9060A		1	196.7000 mg	196.7000 mg	486689	03/06/25 11:34	FCG	EET SEA

Client Sample ID: CFH-001-N-S006-01242025
Lab Sample ID: 590-29158-55
Date Collected: 01/24/25 16:00
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			486397	03/04/25 10:54	B1M	EET SEA
Total/NA	Analysis	9045D		1			485720	02/24/25 15:53	CSS	EET SEA
Total/NA	Analysis	9060A		1	200.3000 mg	200.3000 mg	486689	03/06/25 11:48	FCG	EET SEA

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-3
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
2540G	SM 2540G	SM22	EET SEA
9045D	pH	SW846	EET SEA
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-001-N-S0005-01272025	1/27/2025	0945	Soil				X	1
FMB-001-N-S001-01272025	1/27/2025	0950	Soil	X	X	X		1
FMB-001-FD-S001-01272025	1/27/2025	1020	Soil	X	X	X		1
FMB-001-N-S003-01272025	1/27/2025	0955	Soil	X	X	X		1
FMB-001-N-S006-01272025	1/27/2025	1000	Soil				X	1
FMB-001-N-S005-01272025	1/27/2025	1005	Soil				X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC. Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Pelan
Firm Haley Aldrich	Firm H&A
Date 01/27/2025 Time 1400	Date 1/27/25 1400
Relinquished by	**Received by**
Sign	Sign
Print Luke Pelan	Print Jessica L. Brown
Firm H&A	Firm EEPA Spokane
Date 1/27/25 Time 1530	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29158 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-003-N-S0005-01242025	1/24/2025	0800	Soil				X	1
FMB-003-N-S001-01242025	1/24/2025	0805	Soil	X	X	X		1
FMB-003-FD-S001-01242025	1/24/2025	0835	Soil	X	X	X		1
FMB-003-N-S003-01242025	1/24/2025	0810	Soil	X	X	X		1
FMB-003-N-S006-01242025	1/24/2025	0815	Soil				X	1
FMB-003-N-S010-01242025	1/24/2025	0820	Soil	X	X	X		1
FMB-003-FD-S010-01242025	1/24/2025	0850	Soil	X	X	X		1
FMB-003-N-S015-01242025	1/24/2025	0825	Soil				X	1
FMB-002-N-S0005-01242025	1/24/2025	0900	Soil				X	1
FMB-002-N-S001-01242025	1/24/2025	0905	Soil	X	X	X		1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Obs Temp 4.1°C Corr Temp: 4.9°C ID# IR06

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peden
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1900	Date 1/27/25 1800
Relinquished by	**Received by**
Sign	Sign
Print Luke Peden	Print Rebecca D. Beaudoin
Firm H&A	Firm EPA Spokane
Date 1/27/25 Time 15:00	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
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Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington

DELIVERY DATE 1/27/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-002-N-S003-01242025	1/24/2025	0910	Soil	X	X	X		1
FMB-002-N-S006-01242026	1/24/2025	0915	Soil				X	1
FMB-002-N-S010-01242027	1/24/2025	0920	Soil				X	1
FMB-002-N-S013-01242028	1/24/2025	0925	Soil				X	1
CFH-007-N-S000-01242025	1/24/2025	1100	Soil				X	1
CFH-007-N-S001-01242025	1/24/2025	1105	Soil	X	X	X		1
CFH-007-FD-S001-01242025	1/24/2025	1135	Soil	X	X	X		1
CFH-007-N-S003-01242025	1/24/2025	1110	Soil	X	X	X		1
CFH-006-N-S000-01242025	1/24/2025	1145	Soil				X	1
CFH-006-N-S001-01242025	1/24/2025	1150	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC Total Organic Carbon

Sampled and Relinquished by
Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by
Sign
Print Luke Peda
Firm H&A
Date 1/24/25 1800

Relinquished by
Sign
Print Luke Peda
Firm H&A
Date 1/24/25 Time 15:20

Received by
Sign
Print Hannah M Brown
Firm DEQ Spokane
Date 1/27/25 1550

Relinquished by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

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STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/27/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-005-N-S000-01242025	1/24/2025	1200	Soil				X	1
CFH-005-N-S001-01242025	1/24/2025	1205	Soil	X	X	X		1
CFH-005-N-S003-01242025	1/24/2025	1210	Soil	X	X	X		1
CFH-005-FD-S003-01242025	1/24/2025	1240	Soil	X	X	X		1
CFH-005-N-S006-01242025	1/24/2025	1215	Soil				X	1
CFH-004-N-S000-01242025	1/24/2025	1300	Soil				X	1
CFH-004-N-S001-01242025	1/24/2025	1305	Soil	X	X	X		1
CFH-004-N-S003-01242025	1/24/2025	1310	Soil	X	X	X		1
CFH-004-N-S006-01242025	1/24/2025	1315	Soil				X	1
CFH-004-N-S010-01242025	1/24/2025	1320	Soil	X	X	X		1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peden
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1400	Date 1/24/25 1800
Relinquished by	**Received by**
Sign	Sign
Print Luke Peden	Print Aaron H Bennett
Firm H&A	Firm EPA SPOKANE
Date 1/27/25 Time 15:20	Date 01/27/25 1520
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO. 0209800-001
PROJECT NAME Geiger Field PFAS Support
H&A CONTACT Breeyn Greer

LABORATORY Eurofins Environmental Testing
ADDRESS 11922 E 1st Ave, Spokane Valley WA 99206
CONTACT Randee Arrington

DELIVERY DATE 1/27/25
TURNAROUND TIME Standard
PROJECT MANAGER Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW 846 9045D	Moisture Content	HOLD	Number of Containers
CFH-004-FD-S010-01242025	1/24/2025	1350	Soil	X	X	X		1
CFH-004-N-S015-01242025	1/24/2025	1325	Soil				X	1
CFH-003-N-S000-01242025	1/24/2025	1415	Soil				X	1
CFH-003-N-S001-01242025	1/24/2025	1420	Soil	X	X	X		1
CFH-003-N-S003-01242025	1/24/2025	1425	Soil	X	X	X		1
CFH-003-N-S006-01242025	1/24/2025	1430	Soil				X	1
CFH-003-N-S009-01242025	1/24/2025	1435	Soil	X	X	X		1
CFH-003-FD-S009-01242025	1/24/2025	1505	Soil	X	X	X		1
CFH-002-N-S000-01242025	1/24/2025	1500	Soil				X	1
CFH-002-N-S001-01242025	1/24/2025	1505	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed

– TOC- Total Organic Carbon

Sampled and Relinquished by
Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by
Sign
Print Luke Peden
Firm H+A
Date 1/24/25 1800

Relinquished by
Sign
Print Luke Peden
Firm H&A
Date 1/27/25 Time 15:20

Received by
Sign
Print Deanna Beckwith
Firm ESS Spokane
Date 01/27/25 1530

Relinquished by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-002-FD-S001-01242025	1/24/2025	1535	Soil	X	X	X		1
CFH-002-N-S003-01242025	1/24/2025	1510	Soil	X	X	X		1
CFH-002-N-S006-01242025	1/24/2025	1515	Soil				X	1
CFH-002-N-S010-01242025	1/24/2025	1520	Soil				X	1
CFH-002-N-S012-01242025	1/24/2025	1525	Soil				X	1
CFH-001-N-S000-01242025	1/24/2025	1545	Soil				X	1
CFH-001-N-S001-01242025	1/24/2025	1550	Soil	X	X	X		1
CFH-001-N-S003-01242025	1/24/2025	1555	Soil	X	X	X		1
CFH-001-N-S006-01242025	1/24/2025	1600	Soil				X	1
CFH-001-N-S010-01242025	1/24/2025	1605	Soil				X	1

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

Sampled and Relinquished by
Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1800

Received by
Sign
Print Luke Peda
Firm H&A
Date 1/24/25 1900

Relinquished by
Sign
Print Luke Peda
Firm H&A
Date 1/27/25 Time 15:20

Received by
Sign
Print Deanne N. Brodnik
Firm EPA Spokane
Date 01/27/25 1530

Relinquished by
Sign
Print
Firm
Date Time

Received by
Sign
Print
Firm
Date

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Clear Glass		
Preservative		
Volume		

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/27/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-001-N-S013-01242025	1/24/2025	1610	Soil				X	1
CFH-006-N-S003-01242025	1/24/2025	1155	Soil	X	X	X	DUP	1
								1
								1
								1
								1
								1
								1
								1
								1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm Haley & Aldrich
Date 01/24/2025 Time 1800	Date 1/24/25 1809
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Alexandria Bacon
Firm H&A	Firm Spokane
Date 1/27/25 Time 15:20	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory November 2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

3/6/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10570.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample	Perform MS/MSD	9060A/ Standard Soil TOC	9045D	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
FMB-001-N-S0005-01272025 (590-29158-1)	1/27/25	09:45 Pacific	G	Solid			X	X	1	
FMB-001-N-S005-01272025 (590-29158-6)	1/27/25	10:05 Pacific	G	Solid			X	X	1	
FMB-003-N-S0005-01242025 (590-29158-7)	1/24/25	08:00 Pacific	G	Solid			X	X	1	
FMB-003-N-S006-01242025 (590-29158-11)	1/24/25	08:15 Pacific	G	Solid			X	X	1	
FMB-003-N-S015-01242025 (590-29158-14)	1/24/25	08:25 Pacific	G	Solid			X	X	1	
FMB-002-N-S0005-01242025 (590-29158-15)	1/24/25	09:00 Pacific	G	Solid			X	X	1	
FMB-002-N-S006-01242025 (590-29158-18)	1/24/25	09:15 Pacific	G	Solid			X	X	1	
CFH-007-N-S000-01242025 (590-29158-21)	1/24/25	11:00 Pacific	G	Solid			X	X	1	
CFH-006-N-S000-01242025 (590-29158-25)	1/24/25	11:45 Pacific	G	Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 2/21/25 1543	Company EETSPO	Received by: Brook Moore	Date/Time: 2/22/25 945	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 cor 2.3 un 3.1

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10570.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 2 of 2
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-3
Address: 5755 8th Street East, ,	Due Date Requested: 3/3/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A / Standard Soil TOC	9045D	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
CFH-005-N-S000-01242025 (590-29158-27)	1/24/25	12:00 Pacific	G	Solid			X	X		
CFH-004-N-S000-01242025 (590-29158-32)	1/24/25	13:00 Pacific	G	Solid			X	X		
CFH-004-N-S006-01242025 (590-29158-35)	1/24/25	13:15 Pacific	G	Solid			X	X		
CFH-004-N-S015-01242025 (590-29158-38)	1/24/25	13:25 Pacific	G	Solid			X	X		
CFH-003-N-S000-01242025 (590-29158-39)	1/24/25	14:15 Pacific	G	Solid			X	X	1	
CFH-003-N-S006-01242025 (590-29158-42)	1/24/25	14:30 Pacific	G	Solid			X	X		
CFH-002-N-S000-01242025 (590-29158-45)	1/24/25	15:00 Pacific	G	Solid			X	X		
CFH-001-N-S000-01242025 (590-29158-52)	1/24/25	15:45 Pacific	G	Solid			X	X		
CFH-001-N-S006-01242025 (590-29158-55)	1/24/25	16:00 Pacific	G	Solid			X	X		

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: Date:	Time: Method of Shipment:

Relinquished by:	Date/Time: 2/21/25 1543	Company EET898	Received by: Brock Moore	Date/Time: 2/22/25 948	Company EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 cor 2.3 un 3.1

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-3

Login Number: 29158
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-3

Login Number: 29158
List Number: 2
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 01/30/25 04:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 2.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-3

Login Number: 29158
List Number: 3
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 02/22/25 01:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor 2.3 un 3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Sarah Mass
Haley & Aldrich, Inc.
8101 E. Prentice Avenue
Suite 600
Greenwood Village, Colorado 80111

Generated 4/11/2025 8:11:37 PM

JOB DESCRIPTION

Geiger Field PFAS Support/0209800-001

JOB NUMBER

590-29158-5

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

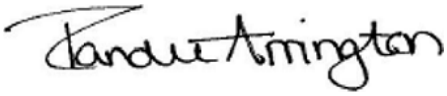
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
4/11/2025 8:11:37 PM

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

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Job ID: 590-29158-5 Eurofins Spokane

Job Narrative
590-29158-5

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/27/2025 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The following sample was activated by the client on 03/24/25: FMB-002-N-S013-01242025 (590-29158-20).

General Chemistry
Method 9045D: The following sample was analyzed outside of analytical holding time due to client activation: FMB-002-N-S013-01242025 (590-29158-20).

Method 9060A: The method blank for analytical batch 580-489638 contained TOC above the method detection limit (MDL) . This target analyte concentration was less than the reporting limit (RL)in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9060A: The following sample was activated outside of holding time: FMB-002-N-S013-01242025 (590-29158-20).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-29158-20	FMB-002-N-S013-01242025	Solid	01/24/25 09:25	01/27/25 15:30

Definitions/Glossary

Client: Haley & Aldrich, Inc. Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-002-N-S013-01242025
Lab Sample ID: 590-29158-20
Date Collected: 01/24/25 09:25
Matrix: Solid
Date Received: 01/27/25 15:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup (SW846 9060A)	340	J H B	2000	97	mg/Kg			04/07/25 19:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	6.9	H	0.1	0.1	SU			03/24/25 11:14	1

Method: 9045D - pH

Lab Sample ID: LCS 590-53044/1
Matrix: Solid
Analysis Batch: 53044

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		SU		101	98.6 - 101.4

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-489638/3
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Average Dup	270	J	2000	97	mg/Kg			04/07/25 14:50	1

Lab Sample ID: LCS 580-489638/4
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120

Lab Sample ID: LCSD 580-489638/5
Matrix: Solid
Analysis Batch: 489638

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon - Average Dup	320000	316000		mg/Kg		99	80 - 120	0	20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Client Sample ID: FMB-002-N-S013-01242025
Lab Sample ID: 590-29158-20

Date Collected: 01/24/25 09:25
Matrix: Solid
Date Received: 01/27/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	10.03 g	10 mL	53044	03/24/25 11:14	RMA	EET SPK
Total/NA	Analysis	9060A		1	203.9000 mg	203.9000 mg	489638	04/07/25 19:32	FCG	EET SEA
Total/NA	Analysis	Moisture		1			53041	03/23/25 14:11	M1M	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-25
Florida	NELAP	E87575	06-30-25
Louisiana	NELAP	03073	06-30-25
Louisiana (All)	NELAP	03073	06-30-25
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-25
New York	NELAP	11662	04-01-25 *
Oregon	NELAP	4167	07-07-25
US Fish & Wildlife	US Federal Programs	A20571	06-30-25
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788-24	07-13-25
Wisconsin	State	399133460	09-01-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Haley & Aldrich, Inc.
Job ID: 590-29158-5
Project/Site: Geiger Field PFAS Support/0209800-001

Method	Method Description	Protocol	Laboratory
9045D	pH	SW846	EET SPK
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
Moisture	Percent Moisture	EPA	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

Page 1 of 1

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-001-N-S0005-01272025	1/27/2025	0945	Soil				X	1
FMB-001-N-S001-01272025	1/27/2025	0950	Soil	X	X	X		1
FMB-001-FD-S001-01272025	1/27/2025	1020	Soil	X	X	X		1
FMB-001-N-S003-01272025	1/27/2025	0955	Soil	X	X	X		1
FMB-001-N-S006-01272025	1/27/2025	1000	Soil				X	1
FMB-001-N-S005-01272025	1/27/2025	1005	Soil				X	1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC. Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Pelan
Firm Haley Aldrich	Firm H&A
Date 01/27/2025 Time 1400	Date 1/27/25 1400
Relinquished by	**Received by**
Sign	Sign
Print Luke Pelan	Print Jeremiah Brownlee
Firm H&A	Firm ~~EEGA~~ Spokane
Date 1/27/25 Time 1530	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

590-29158 Chain of Custody

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

Form 3003

4/11/2025

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-003-N-S0005-01242025	1/24/2025	0800	Soil				X	1
FMB-003-N-S001-01242025	1/24/2025	0805	Soil	X	X	X		1
FMB-003-FD-S001-01242025	1/24/2025	0835	Soil	X	X	X		1
FMB-003-N-S003-01242025	1/24/2025	0810	Soil	X	X	X		1
FMB-003-N-S006-01242025	1/24/2025	0815	Soil				X	1
FMB-003-N-S010-01242025	1/24/2025	0820	Soil	X	X	X		1
FMB-003-FD-S010-01242025	1/24/2025	0850	Soil	X	X	X		1
FMB-003-N-S015-01242025	1/24/2025	0825	Soil				X	1
FMB-002-N-S0005-01242025	1/24/2025	0900	Soil				X	1
FMB-002-N-S001-01242025	1/24/2025	0905	Soil	X	X	X		1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC- Total Organic Carbon

Obs Temp 4.1°C Corr Temp: 4.9°C ID# IR06

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peden
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1900	Date 1/25/25 1830
Relinquished by	**Received by**
Sign	Sign
Print Luke Peden	Print Rebecca D. Beaudoin
Firm H&A	Firm EPA Spokane
Date 1/25/25 Time 15:29	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
FMB-002-N-S003-01242025	1/24/2025	0910	Soil	X	X	X		1
FMB-002-N-S006-01242026	1/24/2025	0915	Soil				X	1
FMB-002-N-S010-01242027	1/24/2025	0920	Soil				X	1
FMB-002-N-S013-01242028	1/24/2025	0925	Soil				X	1
CFH-007-N-S000-01242025	1/24/2025	1100	Soil				X	1
CFH-007-N-S001-01242025	1/24/2025	1105	Soil	X	X	X		1
CFH-007-FD-S001-01242025	1/24/2025	1135	Soil	X	X	X		1
CFH-007-N-S003-01242025	1/24/2025	1110	Soil	X	X	X		1
CFH-006-N-S000-01242025	1/24/2025	1145	Soil				X	1
CFH-006-N-S001-01242025	1/24/2025	1150	Soil	X	X	X		1

Comments(special instructions, precautions, additional method numbers, etc.)
– PFAS Analysis to be conducted by Eurofins Sacramento
Laboratory to use applicable DEP CAM methods, unless otherwise directed.
– TOC Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm H&A
Date 01/24/2025 Time 1800	Date 1/24/25 1800
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Hannah M Brown
Firm H&A	Firm DEQ Spokane
Date 1/27/25 Time 15:20	Date 1/27/25 1550
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY
A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:
_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives
☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory
November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/27/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-005-N-S000-01242025	1/24/2025	1200	Soil				X	1
CFH-005-N-S001-01242025	1/24/2025	1205	Soil	X	X	X		1
CFH-005-N-S003-01242025	1/24/2025	1210	Soil	X	X	X		1
CFH-005-FD-S003-01242025	1/24/2025	1240	Soil	X	X	X		1
CFH-005-N-S006-01242025	1/24/2025	1215	Soil				X	1
CFH-004-N-S000-01242025	1/24/2025	1300	Soil				X	1
CFH-004-N-S001-01242025	1/24/2025	1305	Soil	X	X	X		1
CFH-004-N-S003-01242025	1/24/2025	1310	Soil	X	X	X		1
CFH-004-N-S006-01242025	1/24/2025	1315	Soil				X	1
CFH-004-N-S010-01242025	1/24/2025	1320	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by

Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by

Sign
Print Luke Peden
Firm H&A
Date 1/24/25 1800

Relinquished by

Sign
Print Luke Peden
Firm H&A
Date 1/27/25 Time 15:20

Received by

Sign
Print Aaron H Bennett
Firm EPA SPOKANE
Date 01/27/25 1520

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____ includes _____ does not include samples defined as Drinking Water Samples.

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH
Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513
Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW 846 9045D	Moisture Content	HOLD	Number of Containers
CFH-004-FD-S010-01242025	1/24/2025	1350	Soil	X	X	X		1
CFH-004-N-S015-01242025	1/24/2025	1325	Soil				X	1
CFH-003-N-S000-01242025	1/24/2025	1415	Soil				X	1
CFH-003-N-S001-01242025	1/24/2025	1420	Soil	X	X	X		1
CFH-003-N-S003-01242025	1/24/2025	1425	Soil	X	X	X		1
CFH-003-N-S006-01242025	1/24/2025	1430	Soil				X	1
CFH-003-N-S009-01242025	1/24/2025	1435	Soil	X	X	X		1
CFH-003-FD-S009-01242025	1/24/2025	1505	Soil	X	X	X		1
CFH-002-N-S000-01242025	1/24/2025	1500	Soil				X	1
CFH-002-N-S001-01242025	1/24/2025	1505	Soil	X	X	X		1

Analysis Requested

Comments(special instructions, precautions, additional method numbers, etc.)

PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed

– TOC- Total Organic Carbon

Sampled and Relinquished by

Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1400

Received by

Sign
Print Luke Peden
Firm H+A
Date 1/24/25 1800

Relinquished by

Sign
Print Luke Peden
Firm H&A
Date 1/29/25 Time 15:20

Received by

Sign
Print Deanna Beaark
Firm ESI Spokane
Date 01/27/25 1530

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

Sampling Comments

Evidence samples were tampered with? YES NO

If YES, please explain in section below.

PRESERVATION KEY

A	Sample chilled	C	NaOH	E	H_2SO_4	G	Methanol
B	Sample filtered	D	HNO_3	F	HCL	H	Water/NaHSO4 (circle)

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.

_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.

_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave,
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley WA 99206
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington
DELIVERY DATE	1/27/25		
TURNAROUND TIME	Standard		
PROJECT MANAGER	Breeyn Greer		

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-002-FD-S001-01242025	1/24/2025	1535	Soil	X	X	X		1
CFH-002-N-S003-01242025	1/24/2025	1510	Soil	X	X	X		1
CFH-002-N-S006-01242025	1/24/2025	1515	Soil				X	1
CFH-002-N-S010-01242025	1/24/2025	1520	Soil				X	1
CFH-002-N-S012-01242025	1/24/2025	1525	Soil				X	1
CFH-001-N-S000-01242025	1/24/2025	1545	Soil				X	1
CFH-001-N-S001-01242025	1/24/2025	1550	Soil	X	X	X		1
CFH-001-N-S003-01242025	1/24/2025	1555	Soil	X	X	X		1
CFH-001-N-S006-01242025	1/24/2025	1600	Soil				X	1
CFH-001-N-S010-01242025	1/24/2025	1605	Soil				X	1

Comments(special instructions, precautions, additional method numbers, etc.)

- PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

- TOC- Total Organic Carbon

Sampled and Relinquished by

Sign
Print Zack Castillo da Silva
Firm Haley Aldrich
Date 01/24/2025 Time 1800

Received by

Sign
Print Luke Peda
Firm H&A
Date 1/24/25 1900

Relinquished by

Sign
Print Luke Peda
Firm H&A
Date 1/27/25 Time 15:20

Received by

Sign
Print Deanna N. Beadnell
Firm EPA Spokane
Date 01/27/25 1530

Relinquished by

Sign
Print
Firm
Date Time

Received by

Sign
Print
Firm
Date

	LIQUID	SOLID
VOA Vial		
Amber Glass		
Plastic Bottle		
Clear Glass		
Preservative		
Volume		

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

PRESERVATION KEY

A Sample chilled	C NaOH	E H_2SO_4	G Methanol	
B Sample filtered	D HNO_3	F HCL	H Water/NaHSO4 (circle)	

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections:

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.

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_____

_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory

November 2024

HALEY ALDRICH

Haley & Aldrich, Inc.
505 W Riverside Ave.
STE 450,
Spokane, WA 99201-0513

Phone (509) 960-7447
Fax (509) 960-7447

H&A FILE NO.	0209800-001	LABORATORY	Eurofins Environmental Testing	DELIVERY DATE	1/27/25
PROJECT NAME	Geiger Field PFAS Support	ADDRESS	11922 E 1st Ave, Spokane Valley, WA 99206	TURNAROUND TIME	Standard
H&A CONTACT	Breeyn Greer	CONTACT	Randee Arrington	PROJECT MANAGER	Breeyn Greer

Sample No.	Date	Time	Type	TOC EPA 9060A	pH EPA SW-846 9045D	Moisture Content	HOLD	Number of Containers
CFH-001-N-S013-01242025	1/24/2025	1610	Soil				X	1
CFH-006-N-S003-01242025	1/24/2025	1155	Soil	X	X	X	DUP	1
								1
								1
								1
								1
								1
								1
								1
								1

Comments(special instructions, precautions, additional method numbers, etc.)

– PFAS Analysis to be conducted by Eurofins Sacramento

Laboratory to use applicable DEP CAM methods, unless otherwise directed.

– TOC: Total Organic Carbon

Sampled and Relinquished by	Received by
Sign	Sign
Print Zack Castillo da Silva	Print Luke Peda
Firm Haley Aldrich	Firm Haley & Aldrich
Date 01/24/2025 Time 1800	Date 1/24/25 1809
Relinquished by	**Received by**
Sign	Sign
Print Luke Peda	Print Alexandria Bacon
Firm H&A	Firm Eurofins Spokane
Date 1/27/25 Time 15:20	Date 01/27/25 1530
Relinquished by	**Received by**
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date

LIQUID	SOLID
VOA Vial	VOA Vial
Amber Glass	Amber Glass
Plastic Bottle	Clear Glass
Preservative	Preservative
Volume	Volume

PRESERVATION KEY

A Sample chilled C NaOH E H_2SO_4 G Methanol
B Sample filtered D HNO_3 F HCL H Water/NaHSO4 (circle)

Sampling Comments

Evidence samples were tampered with? YES NO
If YES, please explain in section below.

Presumptive Certainty Data Package (Laboratory to use applicable DEP CAM methods)

If Presumptive Certainty Data Package is needed, initial all sections

_____ The required minimum field QC samples, as designated in BWSC CAM-VII have been or will be collected, as appropriate, to meet the requirements of Presumptive Certainty.
_____ Matrix Spike (MS) samples for MCP Metals and/or Cyanide are included and identified herein.
_____ This Chain of Custody Record (specify) _____includes _____does not include samples defined as Drinking Water Samples.
_____
_____ If this Chain of Custody Record identifies samples defined as Drinking Water Samples, Trip Blanks and Field Duplicates are included and identified and analysis of TICs are requ

Required Reporting Limits and Data Quality Objectives

☐ RC-S1 ☐ S1 ☐ GW1
☐ RC-S2 ☐ S2 ☐ GW2
☐ RC-GW1 ☐ S3 ☐ GW3
☐ RC-GW2

WHITE Laboratory CANARY Project Manager PINK Haley & Aldrich Laboratory November 2024

SHIPPING/RECEIVING
EUROFINS ENVIRONMENTAL SPOKANE
11922 E 1ST AVE

SPOKANE VALLEY, WA 99206
UNITED STATES US

CAD: 0941709/CAFE3855

BILL SENDER

Part # 159469-434 MTW EXP 04/25

TO SHIPPING/RECEIVING
EUROFINS TUSTIN
2841 DOW AVENUE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:
INV:
PO: DEPT:

FedEx Express

J243024070401uv

TRK# 0201 4242 5693 4087

WED - 12 MAR 10:30A
PRIORITY OVERNIGHT

XW DTHA

92780
CA-US SNA

590-29158 Waybill

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

4/11/2025

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-10754.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-5
Address: 5755 8th Street East, ,	Due Date Requested: 4/7/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FMB-002-N-S013-01242025 (590-29158-20)	1/24/25	09:25 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Courier Designee	3/25/25 15:15	TSTSPO	[signature]	3/26/25 0950	EETN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		IR11 1.1/1.9

Ver: 10/10/2024

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 570-435022.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Washington	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest,		Accreditations Required (See note): State - Washington		Job #: 590-29158-4
Address: 5755 8th Street East, ,	Due Date Requested: 3/24/2025			
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Geiger Field PFAS Support/0209800-001	Project #: 59003905			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A/ Standard Soil TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
FMB-001-N-S006-01272025 (590-29158-5)	1/27/25	10:00 Pacific	G	Solid			X	1	
FMB-002-N-S010-01242025 (590-29158-19)	1/24/25	09:20 Pacific	G	Solid			X	1	
CFH-001-N-S010-01242025 (590-29158-56)	1/24/25	16:05 Pacific	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3/25/25 1444	EC		3-26-25 950	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR11 0.5 / 1.3

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-5

Login Number: 29158
List Number: 1
Creator: Morris, Mackenzie 1

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-5

Login Number: 29158
List Number: 2
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 01/30/25 04:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR15 2.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-5

Login Number: 29158
List Number: 3
Creator: Moore, Brook 1

List Source: Eurofins Seattle
List Creation: 02/22/25 01:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 cor 2.3 un 3.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 590-29158-5

Login Number: 29158
List Number: 5
Creator: Groves, Elizabeth

List Source: Eurofins Seattle
List Creation: 03/26/25 03:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR11 1.1c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

ISOTECH
a Stratum Reservoir brand
1308 Parkland Court
Champaign, IL 61821
P 217-398-3490
isotechlabs.com

Lab #: 953510

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: LA-MW-8-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 10:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-115.9‰ relative to VSMOW
$\delta^{18}O$ of water	-15.13‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953511 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: LA-MW-10-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 11:15 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-113.7‰ relative to VSMOW
$\delta^{18}O$ of water	-14.66‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953512

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: LA-MW-10-FD-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 11:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.1‰ relative to VSMOW
$\delta^{18}O$ of water	-14.69‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953513

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: LA-MW-9-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 12:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-122.1‰ relative to VSMOW
$\delta^{18}O$ of water	-15.84‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953514 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: LA-MW-12-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 13:30 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-112.2‰ relative to VSMOW
$\delta^{18}O$ of water	-14.47‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953515

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: LA-MW-11-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 14:20

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.8‰ relative to VSMOW
$\delta^{18}O$ of water	-14.79‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953516 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: W-MW-17-N-01062025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/06/2025 16:15 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-113.0‰ relative to VSMOW
$\delta^{18}O$ of water	-14.67‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953517

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: W-MW-15-N-010725

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/07/2025 09:35

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-115.8‰ relative to VSMOW
$\delta^{18}O$ of water	-14.83‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953518 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: EA-MW-14A-N-01072025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/07/2025 12:35 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-124.1‰ relative to VSMOW
$\delta^{18}O$ of water	-15.97‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953519

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-13A-N-01072025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/07/2025 14:50

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-122.1‰ relative to VSMOW
$\delta^{18}O$ of water	-15.77‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953520

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-13A-FD-01072025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/07/2025 15:20

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-121.9‰ relative to VSMOW
$\delta^{18}O$ of water	-15.73‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953521

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-13B-N-01082025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/08/2025 10:35

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-111.9‰ relative to VSMOW
$\delta^{18}O$ of water	-14.37‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953522

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-8A-N-01082025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/08/2025 12:00

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-123.3‰ relative to VSMOW
$\delta^{18}O$ of water	-15.88‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953523

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-5A-N-01082025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/08/2025 13:15

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-122.2‰ relative to VSMOW
$\delta^{18}O$ of water	-15.77‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953524

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-5A-FD-01082025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/08/2025 13:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-121.9‰ relative to VSMOW
$\delta^{18}O$ of water	-15.71‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953525

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-321-N-01082025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/08/2025 14:55

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-121.4‰ relative to VSMOW
$\delta^{18}O$ of water	-15.84‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953526

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-A-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 10:20

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-116.1‰ relative to VSMOW
$\delta^{18}O$ of water	-14.99‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953527 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: SWN-MW-3-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 12:25 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-122.7‰ relative to VSMOW
$\delta^{18}O$ of water	-16.24‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953528

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-1-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 14:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-119.4‰ relative to VSMOW
$\delta^{18}O$ of water	-15.58‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953529

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-2-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 15:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-123.4‰ relative to VSMOW
$\delta^{18}O$ of water	-16.25‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953530 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: SWN-MW-7-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 09:45 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-117.0‰ relative to VSMOW
$\delta^{18}O$ of water	-15.21‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953531

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-7-FD-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 10:15

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.2‰ relative to VSMOW
$\delta^{18}O$ of water	-15.20‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953532 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: SWN-MW-4-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 11:15 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-122.8‰ relative to VSMOW
$\delta^{18}O$ of water	-16.31‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953533 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: SWN-MW-6-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 12:15 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-126.5‰ relative to VSMOW
$\delta^{18}O$ of water	-16.50‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953534

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-14-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 13:10

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-112.1‰ relative to VSMOW
$\delta^{18}O$ of water	-14.43‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953535

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-13-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 14:10

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.3‰ relative to VSMOW
$\delta^{18}O$ of water	-14.76‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953536

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: FGF-MW-18-N-01092025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/09/2025 15:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.7‰ relative to VSMOW
$\delta^{18}O$ of water	-14.99‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953537

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-5-N-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 07:35

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-125.0‰ relative to VSMOW
$\delta^{18}O$ of water	-16.39‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953538

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: SWN-MW-5-FD-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 08:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-125.0‰ relative to VSMOW
$\delta^{18}O$ of water	-16.36‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953539

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: PD-MW-1A-N-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 08:20

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.8‰ relative to VSMOW
$\delta^{18}O$ of water	-15.21‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953540

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-8-N-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 10:15

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-111.6‰ relative to VSMOW
$\delta^{18}O$ of water	-14.49‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953541

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-7D-N-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 11:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.6‰ relative to VSMOW
$\delta^{18}O$ of water	-14.76‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953542

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-7S-N-01102025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/10/2025 10:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.2‰ relative to VSMOW
$\delta^{18}O$ of water	-14.84‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953543

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-5D-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 12:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-115.2‰ relative to VSMOW
$\delta^{18}O$ of water	-14.91‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953544

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-13-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 10:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-109.5‰ relative to VSMOW
$\delta^{18}O$ of water	-14.11‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953545 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: GCF-MW-5-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 11:40 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-122.4‰ relative to VSMOW
$\delta^{18}O$ of water	-15.96‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953546

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-5-FD-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 12:10

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-122.3‰ relative to VSMOW
$\delta^{18}O$ of water	-15.94‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953547

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-11-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 13:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.6‰ relative to VSMOW
$\delta^{18}O$ of water	-14.68‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953548

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-7-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 14:45

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.6‰ relative to VSMOW
$\delta^{18}O$ of water	-14.78‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953549

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-11B-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 16:10

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.2‰ relative to VSMOW
$\delta^{18}O$ of water	-15.25‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953550

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-5B-N-01132025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/13/2025 15:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-114.2‰ relative to VSMOW
$\delta^{18}O$ of water	-14.75‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953551 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: EA-MW-8B-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 11:50 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-114.9‰ relative to VSMOW
$\delta^{18}O$ of water	-14.89‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953552

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-11A-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 10:35

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.6‰ relative to VSMOW
$\delta^{18}O$ of water	-15.26‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953553

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-12A-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 11:55

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.4‰ relative to VSMOW
$\delta^{18}O$ of water	-15.22‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953554

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-12A-FD-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 12:25

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-117.5‰ relative to VSMOW
$\delta^{18}O$ of water	-15.23‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953555

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-12B-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 13:15

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-112.7‰ relative to VSMOW
$\delta^{18}O$ of water	-14.63‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953556

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-MW-10A-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 14:30

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-116.1‰ relative to VSMOW
$\delta^{18}O$ of water	-15.01‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953557

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-MW-10R-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 15:15

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-109.3‰ relative to VSMOW
$\delta^{18}O$ of water	-14.15‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953558

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-5-N-01142025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/14/2025 14:05

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-131.3‰ relative to VSMOW
$\delta^{18}O$ of water	-17.10‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953559

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-2-FD-01152025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/15/2025 09:55

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.1‰ relative to VSMOW
$\delta^{18}O$ of water	-14.75‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953560

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GDF-GR-2-N-01152025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/15/2025 09:45

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.1‰ relative to VSMOW
$\delta^{18}O$ of water	-14.76‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953561 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: GDF-GR-3-N-01152025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/15/2025 09:05 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-112.0‰ relative to VSMOW
$\delta^{18}O$ of water	-14.62‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953562 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: GDF-GR-4-N-01152025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/15/2025 10:45 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-108.7‰ relative to VSMOW
$\delta^{18}O$ of water	-14.07‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953563

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-8-N-01172025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/17/2025 08:55

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-109.2‰ relative to VSMOW
$\delta^{18}O$ of water	-14.11‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953564

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-8-FD-N-01172025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/17/2025 09:25

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-109.7‰ relative to VSMOW
$\delta^{18}O$ of water	-14.62‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953565

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: GCF-MW-10-N-01172025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/17/2025 10:45

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.6‰ relative to VSMOW
$\delta^{18}O$ of water	-15.03‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953566 **Job #:** 61245 **Co. Job#:** Geiger Field PFAS Support

Sample Name: EA-MW-7B-N-01172025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/17/2025 09:10 **Date Received:** 01/24/2025 **Date Reported:** 02/11/2025

δD of water	-114.1‰ relative to VSMOW
$\delta^{18}O$ of water	-15.34‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953567

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-7A-N-01172025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/17/2025 10:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-123.6‰ relative to VSMOW
$\delta^{18}O$ of water	-16.33‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water

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Lab #: 953568

Job #: 61245

Co. Job#: Geiger Field PFAS Support

Sample Name: EA-MW-14B-N-01072025

Company: GSI Environmental Inc.

Container: 250ml Plastic Bottle

Date Sampled: 01/07/2025 13:40

Date Received: 01/24/2025

Date Reported: 02/11/2025

δD of water	-113.8‰ relative to VSMOW
$\delta^{18}O$ of water	-15.15‰ relative to VSMOW
Tritium content of water	na
$\delta^{13}C$ of DIC	na
^{14}C content of DIC	na
$\delta^{15}N$ of nitrate	na
$\delta^{18}O$ of nitrate	na
δ^{34} of sulfate	na
$\delta^{18}O$ of sulfate	na
Vacuum Distilled? *	No

Remarks:

nd = not detected. na = not analyzed.
*Indicates if vacuum distillation was utilized for hydrogen and oxygen isotopic analysis of water