

ANALYTICAL REPORT

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Laboratory Job ID: 320-62008-1

Laboratory Sample Delivery Group: Iliamna
Client Project/Site: PFAS, Alaska Drinking Water

For:

Alaska Department of Env. Conservation
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Authorized for release by:
6/29/2020 3:25:21 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Qualifiers

LCMS

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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

Case Narrative

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Job ID: 320-62008-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-62008-1

Receipt

Twelve samples were received on 6/19/2020 9:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.8° C.

Receipt Exceptions

Sample FRB (320-62008-10) indicates "NO PRESERVATIVE; DUMPED TRIZMA OUT" on the COC. This sample was received as unpreserved.

LCMS

Method 537.1 DW: Several analytes in the following laboratory control sample duplicate / laboratory control sample duplicate (LCS/LCSD) are reported with E flags: (LCS 320-388624/2-A) and (LCSD 320-388624/3-A). The method requires the LCS/LCSD fortification levels be rotated between low, mid and high levels from batch to batch. The fortification level for these LCS/LCSD are at the upper level of the calibration resulting in the flagged data and not due to being out of control.

Method 537.1 DW: The following sample arrived unpreserved without Trizma: FRB (320-62008-10). The client stated that the Trizma preservative was dumped out. 1.25 g of Trizma was added into the sample to preserve it at a pH of 7.2.

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

Detection Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-001-DW

Lab Sample ID: 320-62008-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.0021		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.0039		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.012		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.0067		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-002-DW

Lab Sample ID: 320-62008-2

No Detections.

Client Sample ID: IL-003-DW

Lab Sample ID: 320-62008-3

No Detections.

Client Sample ID: IL-004-DW

Lab Sample ID: 320-62008-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.0035		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.00050	J	0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorooctanoic acid (PFOA)	0.00066	J	0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.0054		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.020		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.020		0.0018	0.00046	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-005-DW

Lab Sample ID: 320-62008-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.0033		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorooctanoic acid (PFOA)	0.00081	J	0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.0055		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.021		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.020		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-006-DW

Lab Sample ID: 320-62008-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.0049		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.00060	J	0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorooctanoic acid (PFOA)	0.00066	J	0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.0059		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.017		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.013		0.0018	0.00044	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-007-DW

Lab Sample ID: 320-62008-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.00048	J	0.0019	0.00047	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-008-DW

Lab Sample ID: 320-62008-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.00086	J	0.0018	0.00046	ug/L	1		537.1 DW	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-009-DW

Lab Sample ID: 320-62008-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.0047		0.0019	0.00047	ug/L	1		537.1 DW	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.00088	J	0.0019	0.00047	ug/L	1		537.1 DW	Total/NA
Perfluorooctanoic acid (PFOA)	0.0018	J	0.0019	0.00047	ug/L	1		537.1 DW	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.017		0.0019	0.00047	ug/L	1		537.1 DW	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.092		0.0019	0.00047	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.042		0.0019	0.00047	ug/L	1		537.1 DW	Total/NA

Client Sample ID: FRB

Lab Sample ID: 320-62008-10

No Detections.

Client Sample ID: IL-010-DW

Lab Sample ID: 320-62008-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.00045	J	0.0017	0.00043	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.00045	J	0.0017	0.00043	ug/L	1		537.1 DW	Total/NA

Client Sample ID: IL-011-DW

Lab Sample ID: 320-62008-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.00048	J	0.0018	0.00046	ug/L	1		537.1 DW	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.00050	J	0.0018	0.00046	ug/L	1		537.1 DW	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-001-DW

Lab Sample ID: 320-62008-1

Date Collected: 06/16/20 12:41

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0021		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorobutanesulfonic acid (PFBS)	0.0039		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.012		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Perfluorooctanesulfonic acid (PFOS)	0.0067		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
F-53B Major	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
F-53B Minor	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
HFPO-DA (GenX)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
DONA	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	85		70 - 130				06/22/20 20:18	06/23/20 11:01	1
13C2 PFDA	81		70 - 130				06/22/20 20:18	06/23/20 11:01	1
d5-NEtFOSAA	87		70 - 130				06/22/20 20:18	06/23/20 11:01	1
13C3 HFPO-DA	78		70 - 130				06/22/20 20:18	06/23/20 11:01	1

Client Sample ID: IL-002-DW

Lab Sample ID: 320-62008-2

Date Collected: 06/16/20 12:59

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-002-DW

Lab Sample ID: 320-62008-2

Date Collected: 06/16/20 12:59

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-53B Major	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
F-53B Minor	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
HFPO-DA (GenX)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
DONA	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	82		70 - 130				06/22/20 20:18	06/23/20 11:08	1
13C2 PFDA	87		70 - 130				06/22/20 20:18	06/23/20 11:08	1
d5-NEtFOSAA	84		70 - 130				06/22/20 20:18	06/23/20 11:08	1
13C3 HFPO-DA	70		70 - 130				06/22/20 20:18	06/23/20 11:08	1

Client Sample ID: IL-003-DW

Lab Sample ID: 320-62008-3

Date Collected: 06/16/20 13:42

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
F-53B Major	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
F-53B Minor	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
HFPO-DA (GenX)	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
DONA	ND		0.0018	0.00045	ug/L		06/22/20 20:18	06/23/20 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	91		70 - 130				06/22/20 20:18	06/23/20 11:16	1
13C2 PFDA	91		70 - 130				06/22/20 20:18	06/23/20 11:16	1
d5-NEtFOSAA	86		70 - 130				06/22/20 20:18	06/23/20 11:16	1
13C3 HFPO-DA	81		70 - 130				06/22/20 20:18	06/23/20 11:16	1

Client Sample ID: IL-004-DW

Lab Sample ID: 320-62008-4

Date Collected: 06/16/20 14:14

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0035		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-004-DW

Lab Sample ID: 320-62008-4

Date Collected: 06/16/20 14:14

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	0.00050	J	0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorooctanoic acid (PFOA)	0.00066	J	0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorobutanesulfonic acid (PFBS)	0.0054		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorohexanesulfonic acid (PFHxS)	0.020		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Perfluorooctanesulfonic acid (PFOS)	0.020		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
F-53B Major	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
F-53B Minor	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
HFPO-DA (GenX)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
DONA	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	94		70 - 130				06/22/20 20:18	06/23/20 11:24	1
13C2 PFDA	90		70 - 130				06/22/20 20:18	06/23/20 11:24	1
d5-NEtFOSAA	91		70 - 130				06/22/20 20:18	06/23/20 11:24	1
13C3 HFPO-DA	83		70 - 130				06/22/20 20:18	06/23/20 11:24	1

Client Sample ID: IL-005-DW

Lab Sample ID: 320-62008-5

Date Collected: 06/16/20 14:15

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0033		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorooctanoic acid (PFOA)	0.00081	J	0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorobutanesulfonic acid (PFBS)	0.0055		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.021		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
Perfluorooctanesulfonic acid (PFOS)	0.020		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-005-DW

Lab Sample ID: 320-62008-5

Date Collected: 06/16/20 14:15

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
F-53B Major	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
F-53B Minor	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
HFPO-DA (GenX)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1
DONA	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	93		70 - 130	06/22/20 20:18	06/23/20 11:31	1
13C2 PFDA	86		70 - 130	06/22/20 20:18	06/23/20 11:31	1
d5-NEtFOSAA	99		70 - 130	06/22/20 20:18	06/23/20 11:31	1
13C3 HFPO-DA	82		70 - 130	06/22/20 20:18	06/23/20 11:31	1

Client Sample ID: IL-006-DW

Lab Sample ID: 320-62008-6

Date Collected: 06/16/20 14:43

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0049		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluoroheptanoic acid (PFHpA)	0.00060	J	0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorooctanoic acid (PFOA)	0.00066	J	0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorobutanesulfonic acid (PFBS)	0.0059		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.017		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
Perfluorooctanesulfonic acid (PFOS)	0.013		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
F-53B Major	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
F-53B Minor	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
HFPO-DA (GenX)	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1
DONA	ND		0.0018	0.00044	ug/L		06/22/20 20:18	06/23/20 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	93		70 - 130	06/22/20 20:18	06/23/20 11:39	1
13C2 PFDA	91		70 - 130	06/22/20 20:18	06/23/20 11:39	1
d5-NEtFOSAA	90		70 - 130	06/22/20 20:18	06/23/20 11:39	1
13C3 HFPO-DA	87		70 - 130	06/22/20 20:18	06/23/20 11:39	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-007-DW

Lab Sample ID: 320-62008-7

Date Collected: 06/16/20 14:56

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorooctanoic acid (PFOA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorononanoic acid (PFNA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorodecanoic acid (PFDA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorododecanoic acid (PFDoA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Perfluorooctanesulfonic acid (PFOS)	0.00048	J	0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
F-53B Major	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
F-53B Minor	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
HFPO-DA (GenX)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
DONA	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	90		70 - 130				06/22/20 20:18	06/23/20 11:47	1
13C2 PFDA	89		70 - 130				06/22/20 20:18	06/23/20 11:47	1
d5-NEtFOSAA	94		70 - 130				06/22/20 20:18	06/23/20 11:47	1
13C3 HFPO-DA	80		70 - 130				06/22/20 20:18	06/23/20 11:47	1

Client Sample ID: IL-008-DW

Lab Sample ID: 320-62008-8

Date Collected: 06/16/20 15:10

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.00086	J	0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
F-53B Major	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-008-DW

Lab Sample ID: 320-62008-8

Date Collected: 06/16/20 15:10

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-53B Minor	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
HFPO-DA (GenX)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
DONA	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 11:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	92		70 - 130				06/22/20 20:18	06/23/20 11:54	1
13C2 PFDA	88		70 - 130				06/22/20 20:18	06/23/20 11:54	1
d5-NEtFOSAA	90		70 - 130				06/22/20 20:18	06/23/20 11:54	1
13C3 HFPO-DA	81		70 - 130				06/22/20 20:18	06/23/20 11:54	1

Client Sample ID: IL-009-DW

Lab Sample ID: 320-62008-9

Date Collected: 06/16/20 15:49

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.0047		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluoroheptanoic acid (PFHpA)	0.00088	J	0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorooctanoic acid (PFOA)	0.0018	J	0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorononanoic acid (PFNA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorodecanoic acid (PFDA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorobutanesulfonic acid (PFBS)	0.017		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.092		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Perfluorooctanesulfonic acid (PFOS)	0.042		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
F-53B Major	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
F-53B Minor	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
HFPO-DA (GenX)	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
DONA	ND		0.0019	0.00047	ug/L		06/22/20 20:18	06/23/20 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	89		70 - 130				06/22/20 20:18	06/23/20 12:02	1
13C2 PFDA	83		70 - 130				06/22/20 20:18	06/23/20 12:02	1
d5-NEtFOSAA	96		70 - 130				06/22/20 20:18	06/23/20 12:02	1
13C3 HFPO-DA	79		70 - 130				06/22/20 20:18	06/23/20 12:02	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: FRB

Lab Sample ID: 320-62008-10

Date Collected: 06/16/20 16:20

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorooctanoic acid (PFOA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorononanoic acid (PFNA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorodecanoic acid (PFDA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
F-53B Major	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
F-53B Minor	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
HFPO-DA (GenX)	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1
DONA	ND		0.0019	0.00046	ug/L		06/23/20 11:02	06/24/20 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	87		70 - 130	06/23/20 11:02	06/24/20 14:08	1
13C2 PFDA	87		70 - 130	06/23/20 11:02	06/24/20 14:08	1
d5-NEtFOSAA	94		70 - 130	06/23/20 11:02	06/24/20 14:08	1
13C3 HFPO-DA	83		70 - 130	06/23/20 11:02	06/24/20 14:08	1

Client Sample ID: IL-010-DW

Lab Sample ID: 320-62008-11

Date Collected: 06/17/20 10:22

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorooctanoic acid (PFOA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorononanoic acid (PFNA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorodecanoic acid (PFDA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorododecanoic acid (PFDoA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.00045	J	0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Perfluorooctanesulfonic acid (PFOS)	0.00045	J	0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
F-53B Major	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-010-DW

Lab Sample ID: 320-62008-11

Date Collected: 06/17/20 10:22

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
F-53B Minor	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
HFPO-DA (GenX)	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
DONA	ND		0.0017	0.00043	ug/L		06/22/20 20:18	06/23/20 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	93		70 - 130				06/22/20 20:18	06/23/20 12:33	1
13C2 PFDA	90		70 - 130				06/22/20 20:18	06/23/20 12:33	1
d5-NEtFOSAA	93		70 - 130				06/22/20 20:18	06/23/20 12:33	1
13C3 HFPO-DA	82		70 - 130				06/22/20 20:18	06/23/20 12:33	1

Client Sample ID: IL-011-DW

Lab Sample ID: 320-62008-12

Date Collected: 06/17/20 10:23

Matrix: Water

Date Received: 06/19/20 09:40

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorooctanoic acid (PFOA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorononanoic acid (PFNA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorodecanoic acid (PFDA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorododecanoic acid (PFDoA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.00048	J	0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Perfluorooctanesulfonic acid (PFOS)	0.00050	J	0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
F-53B Major	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
F-53B Minor	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
HFPO-DA (GenX)	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
DONA	ND		0.0018	0.00046	ug/L		06/22/20 20:18	06/23/20 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFHxA	91		70 - 130				06/22/20 20:18	06/23/20 12:41	1
13C2 PFDA	92		70 - 130				06/22/20 20:18	06/23/20 12:41	1
d5-NEtFOSAA	91		70 - 130				06/22/20 20:18	06/23/20 12:41	1
13C3 HFPO-DA	83		70 - 130				06/22/20 20:18	06/23/20 12:41	1

Surrogate Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		PFHxA (70-130)	PFDA (70-130)	d5NEFOS (70-130)	HFPODA (70-130)
320-62008-1	IL-001-DW	85	81	87	78
320-62008-2	IL-002-DW	82	87	84	70
320-62008-3	IL-003-DW	91	91	86	81
320-62008-4	IL-004-DW	94	90	91	83
320-62008-5	IL-005-DW	93	86	99	82
320-62008-6	IL-006-DW	93	91	90	87
320-62008-7	IL-007-DW	90	89	94	80
320-62008-8	IL-008-DW	92	88	90	81
320-62008-9	IL-009-DW	89	83	96	79
320-62008-10	FRB	87	87	94	83
320-62008-11	IL-010-DW	93	90	93	82
320-62008-12	IL-011-DW	91	92	91	83
LCS 320-388624/2-A	Lab Control Sample	81	79	86	78
LCSD 320-388624/3-A	Lab Control Sample Dup	88	83	89	84
LLCS 320-388469/2-A	Lab Control Sample	90	91	92	82
LLCSD 320-388469/3-A	Lab Control Sample Dup	87	87	92	81
MB 320-388469/1-A	Method Blank	95	87	90	81
MB 320-388624/1-A	Method Blank	84	83	89	82

Surrogate Legend

PFHxA = 13C2 PFHxA

PFDA = 13C2 PFDA

d5NEFOS = d5-NEtFOSAA

HFPODA = 13C3 HFPO-DA

QC Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MB 320-388469/1-A

Matrix: Water

Analysis Batch: 388570

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 388469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorooctanoic acid (PFOA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorononanoic acid (PFNA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorodecanoic acid (PFDA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
F-53B Major	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
F-53B Minor	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
HFPO-DA (GenX)	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1
DONA	ND		0.0020	0.00050	ug/L		06/22/20 20:18	06/23/20 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	95		70 - 130	06/22/20 20:18	06/23/20 10:53	1
13C2 PFDA	87		70 - 130	06/22/20 20:18	06/23/20 10:53	1
d5-NEtFOSAA	90		70 - 130	06/22/20 20:18	06/23/20 10:53	1
13C3 HFPO-DA	81		70 - 130	06/22/20 20:18	06/23/20 10:53	1

Lab Sample ID: LLCS 320-388469/2-A

Matrix: Water

Analysis Batch: 388573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 388469

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid (PFHxA)	0.00400	0.00368		ug/L		92	50 - 150
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00424		ug/L		106	50 - 150
Perfluorooctanoic acid (PFOA)	0.00400	0.00373		ug/L		93	50 - 150
Perfluorononanoic acid (PFNA)	0.00400	0.00386		ug/L		97	50 - 150
Perfluorodecanoic acid (PFDA)	0.00400	0.00386		ug/L		96	50 - 150
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00396		ug/L		99	50 - 150
Perfluorododecanoic acid (PFDoA)	0.00400	0.00363		ug/L		91	50 - 150
Perfluorotridecanoic acid (PFTriA)	0.00400	0.00373		ug/L		93	50 - 150
Perfluorotetradecanoic acid (PFTeA)	0.00400	0.00349		ug/L		87	50 - 150
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00377		ug/L		107	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00374		ug/L		103	50 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCS 320-388469/2-A

Matrix: Water

Analysis Batch: 388573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 388469

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00388		ug/L		105	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00415		ug/L		104	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00406		ug/L		102	50 - 150
F-53B Major	0.00373	0.00402		ug/L		108	50 - 150
F-53B Minor	0.00377	0.00386		ug/L		103	50 - 150
HFPO-DA (GenX)	0.00400	0.00318		ug/L		79	50 - 150
DONA	0.00377	0.00343		ug/L		91	50 - 150

Surrogate	LLCS %Recovery	LLCS Qualifier	Limits
13C2 PFHxA	90		70 - 130
13C2 PFDA	91		70 - 130
d5-NEtFOSAA	92		70 - 130
13C3 HFPO-DA	82		70 - 130

Lab Sample ID: LLCSD 320-388469/3-A

Matrix: Water

Analysis Batch: 388573

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 388469

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Perfluorohexanoic acid (PFHxA)	0.00400	0.00356		ug/L		89	50 - 150	3	50
Perfluoroheptanoic acid (PFHpA)	0.00400	0.00381		ug/L		95	50 - 150	11	50
Perfluorooctanoic acid (PFOA)	0.00400	0.00368		ug/L		92	50 - 150	1	50
Perfluorononanoic acid (PFNA)	0.00400	0.00358		ug/L		89	50 - 150	8	50
Perfluorodecanoic acid (PFDA)	0.00400	0.00396		ug/L		99	50 - 150	3	50
Perfluoroundecanoic acid (PFUnA)	0.00400	0.00385		ug/L		96	50 - 150	3	50
Perfluorododecanoic acid (PFDoA)	0.00400	0.00345		ug/L		86	50 - 150	5	50
Perfluorotridecanoic acid (PFTriA)	0.00400	0.00355		ug/L		89	50 - 150	5	50
Perfluorotetradecanoic acid (PFTeA)	0.00400	0.00338		ug/L		84	50 - 150	3	50
Perfluorobutanesulfonic acid (PFBS)	0.00354	0.00356		ug/L		101	50 - 150	6	50
Perfluorohexanesulfonic acid (PFHxS)	0.00364	0.00366		ug/L		101	50 - 150	2	50
Perfluorooctanesulfonic acid (PFOS)	0.00371	0.00361		ug/L		97	50 - 150	7	50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.00400	0.00395		ug/L		99	50 - 150	5	50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.00400	0.00424		ug/L		106	50 - 150	4	50
F-53B Major	0.00373	0.00383		ug/L		103	50 - 150	5	50
F-53B Minor	0.00377	0.00396		ug/L		105	50 - 150	2	50
HFPO-DA (GenX)	0.00400	0.00318		ug/L		79	50 - 150	0.07	50
DONA	0.00377	0.00339		ug/L		90	50 - 150	1	50

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LLCSD 320-388469/3-A

Matrix: Water

Analysis Batch: 388573

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 388469

Surrogate	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C2 PFHxA	87		70 - 130
13C2 PFDA	87		70 - 130
d5-NEtFOSAA	92		70 - 130
13C3 HFPO-DA	81		70 - 130

Lab Sample ID: MB 320-388624/1-A

Matrix: Water

Analysis Batch: 389040

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 388624

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid (PFHxA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluoroheptanoic acid (PFHpA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorooctanoic acid (PFOA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorononanoic acid (PFNA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorodecanoic acid (PFDA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluoroundecanoic acid (PFUnA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorododecanoic acid (PFDoA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorotridecanoic acid (PFTriA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
F-53B Major	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
F-53B Minor	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
HFPO-DA (GenX)	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1
DONA	ND		0.0020	0.00050	ug/L		06/23/20 11:02	06/24/20 14:01	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFHxA	84		70 - 130	06/23/20 11:02	06/24/20 14:01	1
13C2 PFDA	83		70 - 130	06/23/20 11:02	06/24/20 14:01	1
d5-NEtFOSAA	89		70 - 130	06/23/20 11:02	06/24/20 14:01	1
13C3 HFPO-DA	82		70 - 130	06/23/20 11:02	06/24/20 14:01	1

Lab Sample ID: LCS 320-388624/2-A

Matrix: Water

Analysis Batch: 389040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 388624

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Perfluorohexanoic acid (PFHxA)	0.200	0.161		ug/L		81	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.200	0.191		ug/L		96	70 - 130
Perfluorooctanoic acid (PFOA)	0.200	0.176		ug/L		88	70 - 130
Perfluorononanoic acid (PFNA)	0.200	0.173		ug/L		87	70 - 130
Perfluorodecanoic acid (PFDA)	0.200	0.179		ug/L		89	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.200	0.165		ug/L		82	70 - 130

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCS 320-388624/2-A

Matrix: Water

Analysis Batch: 389040

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 388624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorododecanoic acid (PFDoA)	0.200	0.164		ug/L		82	70 - 130
Perfluorotridecanoic acid (PFTriA)	0.200	0.167		ug/L		84	70 - 130
Perfluorotetradecanoic acid (PFTeA)	0.200	0.160		ug/L		80	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.177	0.177	E	ug/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.207	E	ug/L		114	70 - 130
Perfluorooctanesulfonic acid (PFOS)	0.186	0.186	E	ug/L		100	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.196		ug/L		98	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.189		ug/L		95	70 - 130
F-53B Major	0.186	0.194	E	ug/L		104	70 - 130
F-53B Minor	0.188	0.197	E	ug/L		105	70 - 130
HFPO-DA (GenX)	0.200	0.160		ug/L		80	70 - 130
DONA	0.188	0.155		ug/L		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	81		70 - 130
13C2 PFDA	79		70 - 130
d5-NEtFOSAA	86		70 - 130
13C3 HFPO-DA	78		70 - 130

Lab Sample ID: LCSD 320-388624/3-A

Matrix: Water

Analysis Batch: 389040

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 388624

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)	0.200	0.170		ug/L		85	70 - 130	6	30
Perfluoroheptanoic acid (PFHpA)	0.200	0.191		ug/L		95	70 - 130	0	30
Perfluorooctanoic acid (PFOA)	0.200	0.182		ug/L		91	70 - 130	3	30
Perfluorononanoic acid (PFNA)	0.200	0.177		ug/L		89	70 - 130	2	30
Perfluorodecanoic acid (PFDA)	0.200	0.192		ug/L		96	70 - 130	7	30
Perfluoroundecanoic acid (PFUnA)	0.200	0.174		ug/L		87	70 - 130	6	30
Perfluorododecanoic acid (PFDoA)	0.200	0.168		ug/L		84	70 - 130	3	30
Perfluorotridecanoic acid (PFTriA)	0.200	0.164		ug/L		82	70 - 130	2	30
Perfluorotetradecanoic acid (PFTeA)	0.200	0.159		ug/L		80	70 - 130	1	30
Perfluorobutanesulfonic acid (PFBS)	0.177	0.183	E	ug/L		104	70 - 130	3	30
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.210	E	ug/L		115	70 - 130	1	30
Perfluorooctanesulfonic acid (PFOS)	0.186	0.191	E	ug/L		103	70 - 130	3	30

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method: 537.1 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCSD 320-388624/3-A

Matrix: Water

Analysis Batch: 389040

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 388624

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.204	E	ug/L		102	70 - 130	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.194		ug/L		97	70 - 130	2	30
F-53B Major	0.186	0.204	E	ug/L		110	70 - 130	5	30
F-53B Minor	0.188	0.197	E	ug/L		104	70 - 130	0	30
HFPO-DA (GenX)	0.200	0.169		ug/L		84	70 - 130	5	30
DONA	0.188	0.156		ug/L		83	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C2 PFHxA	88		70 - 130
13C2 PFDA	83		70 - 130
d5-NEtFOSAA	89		70 - 130
13C3 HFPO-DA	84		70 - 130

QC Association Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

LCMS

Prep Batch: 388469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62008-1	IL-001-DW	Total/NA	Water	537.1 DW	
320-62008-2	IL-002-DW	Total/NA	Water	537.1 DW	
320-62008-3	IL-003-DW	Total/NA	Water	537.1 DW	
320-62008-4	IL-004-DW	Total/NA	Water	537.1 DW	
320-62008-5	IL-005-DW	Total/NA	Water	537.1 DW	
320-62008-6	IL-006-DW	Total/NA	Water	537.1 DW	
320-62008-7	IL-007-DW	Total/NA	Water	537.1 DW	
320-62008-8	IL-008-DW	Total/NA	Water	537.1 DW	
320-62008-9	IL-009-DW	Total/NA	Water	537.1 DW	
320-62008-11	IL-010-DW	Total/NA	Water	537.1 DW	
320-62008-12	IL-011-DW	Total/NA	Water	537.1 DW	
MB 320-388469/1-A	Method Blank	Total/NA	Water	537.1 DW	
LLCS 320-388469/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	
LLCSD 320-388469/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	

Analysis Batch: 388570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62008-1	IL-001-DW	Total/NA	Water	537.1 DW	388469
320-62008-2	IL-002-DW	Total/NA	Water	537.1 DW	388469
320-62008-3	IL-003-DW	Total/NA	Water	537.1 DW	388469
320-62008-4	IL-004-DW	Total/NA	Water	537.1 DW	388469
320-62008-5	IL-005-DW	Total/NA	Water	537.1 DW	388469
320-62008-6	IL-006-DW	Total/NA	Water	537.1 DW	388469
320-62008-7	IL-007-DW	Total/NA	Water	537.1 DW	388469
320-62008-8	IL-008-DW	Total/NA	Water	537.1 DW	388469
320-62008-9	IL-009-DW	Total/NA	Water	537.1 DW	388469
MB 320-388469/1-A	Method Blank	Total/NA	Water	537.1 DW	388469

Analysis Batch: 388573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62008-11	IL-010-DW	Total/NA	Water	537.1 DW	388469
320-62008-12	IL-011-DW	Total/NA	Water	537.1 DW	388469
LLCS 320-388469/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	388469
LLCSD 320-388469/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	388469

Prep Batch: 388624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62008-10	FRB	Total/NA	Water	537.1 DW	
MB 320-388624/1-A	Method Blank	Total/NA	Water	537.1 DW	
LCS 320-388624/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	
LCSD 320-388624/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	

Analysis Batch: 389040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62008-10	FRB	Total/NA	Water	537.1 DW	388624
MB 320-388624/1-A	Method Blank	Total/NA	Water	537.1 DW	388624
LCS 320-388624/2-A	Lab Control Sample	Total/NA	Water	537.1 DW	388624
LCSD 320-388624/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW	388624

Lab Chronicle

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-001-DW

Date Collected: 06/16/20 12:41

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			271.5 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:01	JRB	TAL SAC

Client Sample ID: IL-002-DW

Date Collected: 06/16/20 12:59

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			280.3 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:08	JRB	TAL SAC

Client Sample ID: IL-003-DW

Date Collected: 06/16/20 13:42

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			277.9 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:16	JRB	TAL SAC

Client Sample ID: IL-004-DW

Date Collected: 06/16/20 14:14

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			274.5 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:24	JRB	TAL SAC

Client Sample ID: IL-005-DW

Date Collected: 06/16/20 14:15

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			285.7 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:31	JRB	TAL SAC

Client Sample ID: IL-006-DW

Date Collected: 06/16/20 14:43

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			283.8 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:39	JRB	TAL SAC

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Lab Chronicle

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Client Sample ID: IL-007-DW

Date Collected: 06/16/20 14:56

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			267.3 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:47	JRB	TAL SAC

Client Sample ID: IL-008-DW

Date Collected: 06/16/20 15:10

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			274.1 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 11:54	JRB	TAL SAC

Client Sample ID: IL-009-DW

Date Collected: 06/16/20 15:49

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			268.4 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388570	06/23/20 12:02	JRB	TAL SAC

Client Sample ID: FRB

Date Collected: 06/16/20 16:20

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			269 mL	1.00 mL	388624	06/23/20 11:02	SAD	TAL SAC
Total/NA	Analysis	537.1 DW		1			389040	06/24/20 14:08	SK	TAL SAC

Client Sample ID: IL-010-DW

Date Collected: 06/17/20 10:22

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			290 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388573	06/23/20 12:33	JRB	TAL SAC

Client Sample ID: IL-011-DW

Date Collected: 06/17/20 10:23

Date Received: 06/19/20 09:40

Lab Sample ID: 320-62008-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537.1 DW			274.1 mL	1.00 mL	388469	06/22/20 20:18	JER	TAL SAC
Total/NA	Analysis	537.1 DW		1			388573	06/23/20 12:41	JRB	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21

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
537.1 DW	537.1 DW	Water	DONA
537.1 DW	537.1 DW	Water	F-53B Major
537.1 DW	537.1 DW	Water	F-53B Minor
537.1 DW	537.1 DW	Water	HFPO-DA (GenX)
537.1 DW	537.1 DW	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537.1 DW	537.1 DW	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537.1 DW	537.1 DW	Water	Perfluorobutanesulfonic acid (PFBS)
537.1 DW	537.1 DW	Water	Perfluorodecanoic acid (PFDA)
537.1 DW	537.1 DW	Water	Perfluorododecanoic acid (PFDoA)
537.1 DW	537.1 DW	Water	Perfluoroheptanoic acid (PFHpA)
537.1 DW	537.1 DW	Water	Perfluorohexanesulfonic acid (PFHxS)
537.1 DW	537.1 DW	Water	Perfluorohexanoic acid (PFHxA)
537.1 DW	537.1 DW	Water	Perfluorononanoic acid (PFNA)
537.1 DW	537.1 DW	Water	Perfluorooctanesulfonic acid (PFOS)
537.1 DW	537.1 DW	Water	Perfluorooctanoic acid (PFOA)
537.1 DW	537.1 DW	Water	Perfluorotetradecanoic acid (PFTeA)
537.1 DW	537.1 DW	Water	Perfluorotridecanoic acid (PFTriA)
537.1 DW	537.1 DW	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Method	Method Description	Protocol	Laboratory
537.1 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	TAL SAC
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Alaska Department of Env. Conservation
Project/Site: PFAS, Alaska Drinking Water

Job ID: 320-62008-1
SDG: Iliamna

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-62008-1	IL-001-DW	Water	06/16/20 12:41	06/19/20 09:40	
320-62008-2	IL-002-DW	Water	06/16/20 12:59	06/19/20 09:40	
320-62008-3	IL-003-DW	Water	06/16/20 13:42	06/19/20 09:40	
320-62008-4	IL-004-DW	Water	06/16/20 14:14	06/19/20 09:40	
320-62008-5	IL-005-DW	Water	06/16/20 14:15	06/19/20 09:40	
320-62008-6	IL-006-DW	Water	06/16/20 14:43	06/19/20 09:40	
320-62008-7	IL-007-DW	Water	06/16/20 14:56	06/19/20 09:40	
320-62008-8	IL-008-DW	Water	06/16/20 15:10	06/19/20 09:40	
320-62008-9	IL-009-DW	Water	06/16/20 15:49	06/19/20 09:40	
320-62008-10	FRB	Water	06/16/20 16:20	06/19/20 09:40	
320-62008-11	IL-010-DW	Water	06/17/20 10:22	06/19/20 09:40	
320-62008-12	IL-011-DW	Water	06/17/20 10:23	06/19/20 09:40	

Eurofins TestAmerica, Sacramento

880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record



Client Information Client Contact: Anne Marie Palmieri Phone: 907-269-7527 Email: elaine.walker@testamericainc.com		Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com		Camer Tracking No(s): 320-32380-7850.1 Page 1 of 2 Job #	
Company: Alaska Department of Env. Conservation Address: Post Office Box 1542 City: Haines State, Zip: AK, 99827 Phone: 907-766-3184(Tel) Email: annemarie.palmieri@alaska.gov Project Name: PFAS, Alaska Drinking Water Site: ILIANA		Due Date Requested: TAT Requested (days): 10 Business Days PO #: Purchase Order Requested WO #: 32015376 Project #: 32015376 SSOW#		Analysis Requested Barcode: 320-62008 Chain of Custody Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Na2SO3 H - H2SO4 I - Ascorbic Acid J - Ice K - DI Water L - EDTA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:	
Sample Identification Sample ID: IL-001-DW IL-002-DW IL-003-DW IL-004-DW IL-005-DW IL-006-DW IL-007-DW IL-008-DW IL-009-DW FRB		Sample Date: 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020 6/16/2020		Sample Time: 12:41 12:59 13:42 14:14 14:15 14:43 14:56 15:10 15:49 16:20	
Matrix (W=water, S=solid, O=washoil, BT=Tissue, A=Air) Sample Type (C=Comp, G=grab) Preservation Code:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 637.1 DW - EPA 637.1 List (18 Analytes)		Special Instructions/Note: 1.25g TRIZMA CRISTAL pH 7 NO PRESERVATIVE; TRIZMA OUT	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: R. Quat Relinquished by: R. Quat Relinquished by: R. Quat		Date: 6/17/2020, 1:00 PM Date/Time: 6/17/2020, 1:00 PM Date/Time: 6/17/2020, 1:00 PM		Method of Shipment:	
Custody Seal Intact: ☒ Yes ☐ No Custody Seal No.: 1030767 1030766		Cooler Temperature(s) °C and Other Remarks: 0.8		Company: ADEZ Date/Time: 6/17/2020, 1:00 PM Company: ADEZ Date/Time: 6/17/2020, 1:00 PM Company: ADEZ Date/Time: 6/17/2020, 1:00 PM	

Chain of Custody Record

Client Information Client Contact: Anne Marie Palmieri Phone: 907-269-7527 E-Mail: elaine.walker@testamericainc.com		Lab PM: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com		Carrier Tracking No(s): COC No: 320-32380-7850.1 Page 2 of 2 Job #	
Address: Alaska Department of Env. Conservation Post Office Box 1542 City: Anchorage State, Zip: AK, 99827 Phone: 907-766-3184 (Tel) Email: annemarie.palmieri@alaska.gov Project Name: PFAS, Alaska Drinking Water Site: TLIAMWA		Analysis Requested Due Date Requested: TAT Requested (days): 10 Business Days PO #: 907-766-3184 (Tel) WO #: 32015376 Project #: 32015376 SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=Water, S=solid, O=Other) Preservation Code:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 637.1, DW - EPA 637.1 List (18 Analytes)		Total Number of Containers Special Instructions/Note: 1.25 g TRIZMA CRISTAL H 7 ↓	
IL-010-DW IL-011-DW		6/17/2020 10:22 6/17/2020 10:23 G G Water Water Water Water Water		N N N N N N N N N	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify) II		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Empty Kit Relinquished by: Rgmt Relinquished by: Rgmt Relinquished by: Rgmt Relinquished by: Rgmt		Date/Time: 6/17/2020, 1:00 PM Date/Time: 6/17/2020, 1:00 PM Date/Time: 6/17/2020, 1:00 PM Date/Time: 6/17/2020, 1:00 PM		Method of Shipment: 940 Date/Time: 6/19/20 Date/Time: 6/19/20 Date/Time: 6/19/20 Date/Time: 6/19/20	
Custody Seal Intact: Δ Yes Δ No Custody Seal No.: 1030767 1030766		Cooler Temperature(s) °C and Other Remarks: 0.8		Company: ADEL Company: ADEL Company: ADEL Company: ADEL	

Login Sample Receipt Checklist

Client: Alaska Department of Env. Conservation

Job Number: 320-62008-1

SDG Number: Iliamna

Login Number: 62008

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Her, David A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1030767/1030766
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	