

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-77149-1

Client Project/Site: Stewart ANG Base #336089 Kroll Well

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Mr. Dave Chiusano



Authorized for release by:

8/9/2021 9:55:21 AM

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

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Wyatt Watson
Project Management Assistant I
8/9/2021 9:55:21 AM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Job ID: 320-77149-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-77149-1

Comments

No additional comments.

Receipt

The samples were received on 8/4/2021 10:00 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 was 1.1° C.

LCMS

Method WS-LC-0025 Att1: The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgement was used to positively identify the analyte.

A-25 (320-77149-5)

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

Organic Prep

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



Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: Influent

Lab Sample ID: 320-77149-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	4.6		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanoic acid (PFOA)	6.3		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.6		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA

Client Sample ID: Mid point

Lab Sample ID: 320-77149-2

No Detections.

Client Sample ID: Effluent

Lab Sample ID: 320-77149-3

No Detections.

Client Sample ID: Duplicate

Lab Sample ID: 320-77149-4

No Detections.

Client Sample ID: A-25

Lab Sample ID: 320-77149-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	4.0		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanoic acid (PFOA)	3.6		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.7	I	2.0		ng/L	1		WS-LC-0025 Att1	Total/NA

Client Sample ID: A-50

Lab Sample ID: 320-77149-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	2.2		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA

Client Sample ID: A-75

Lab Sample ID: 320-77149-7

No Detections.

Client Sample ID: B-25

Lab Sample ID: 320-77149-8

No Detections.

Client Sample ID: B-50

Lab Sample ID: 320-77149-9

No Detections.

Client Sample ID: B-75

Lab Sample ID: 320-77149-10

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: Influent

Date Collected: 08/03/21 11:20

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-1

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	4.6		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
Perfluorooctanoic acid (PFOA)	6.3		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
Perfluorooctanesulfonic acid (PFOS)	6.6		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:09	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	115		25 - 150				08/05/21 08:06	08/05/21 17:09	1
13C4 PFHpA	116		25 - 150				08/05/21 08:06	08/05/21 17:09	1
13C4 PFOA	111		70 - 130				08/05/21 08:06	08/05/21 17:09	1
13C4 PFOS	104		70 - 130				08/05/21 08:06	08/05/21 17:09	1
13C5 PFNA	105		25 - 150				08/05/21 08:06	08/05/21 17:09	1
13C3 PFBS	88		25 - 150				08/05/21 08:06	08/05/21 17:09	1

Client Sample ID: Mid point

Date Collected: 08/03/21 11:00

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-2

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:28	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	118		25 - 150				08/05/21 08:06	08/05/21 17:28	1
13C4 PFHpA	115		25 - 150				08/05/21 08:06	08/05/21 17:28	1
13C4 PFOA	109		70 - 130				08/05/21 08:06	08/05/21 17:28	1
13C4 PFOS	100		70 - 130				08/05/21 08:06	08/05/21 17:28	1
13C5 PFNA	105		25 - 150				08/05/21 08:06	08/05/21 17:28	1
13C3 PFBS	86		25 - 150				08/05/21 08:06	08/05/21 17:28	1

Client Sample ID: Effluent

Date Collected: 08/03/21 10:35

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-3

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 17:46	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	118		25 - 150				08/05/21 08:06	08/05/21 17:46	1

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Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: Effluent

Date Collected: 08/03/21 10:35

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-3

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	115		25 - 150	08/05/21 08:06	08/05/21 17:46	1
13C4 PFOA	108		70 - 130	08/05/21 08:06	08/05/21 17:46	1
13C4 PFOS	107		70 - 130	08/05/21 08:06	08/05/21 17:46	1
13C5 PFNA	96		25 - 150	08/05/21 08:06	08/05/21 17:46	1
13C3 PFBS	85		25 - 150	08/05/21 08:06	08/05/21 17:46	1

Client Sample ID: Duplicate

Date Collected: 08/03/21 00:00

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-4

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 18:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	119		25 - 150	08/05/21 08:06	08/05/21 18:42	1
13C4 PFHpA	116		25 - 150	08/05/21 08:06	08/05/21 18:42	1
13C4 PFOA	110		70 - 130	08/05/21 08:06	08/05/21 18:42	1
13C4 PFOS	103		70 - 130	08/05/21 08:06	08/05/21 18:42	1
13C5 PFNA	104		25 - 150	08/05/21 08:06	08/05/21 18:42	1
13C3 PFBS	84		25 - 150	08/05/21 08:06	08/05/21 18:42	1

Client Sample ID: A-25

Date Collected: 08/03/21 11:15

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-5

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	4.0		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1
Perfluorooctanoic acid (PFOA)	3.6		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1
Perfluorooctanesulfonic acid (PFOS)	2.7 I		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	121		25 - 150	08/05/21 08:06	08/05/21 19:00	1
13C4 PFHpA	114		25 - 150	08/05/21 08:06	08/05/21 19:00	1
13C4 PFOA	109		70 - 130	08/05/21 08:06	08/05/21 19:00	1
13C4 PFOS	109		70 - 130	08/05/21 08:06	08/05/21 19:00	1
13C5 PFNA	109		25 - 150	08/05/21 08:06	08/05/21 19:00	1
13C3 PFBS	86		25 - 150	08/05/21 08:06	08/05/21 19:00	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: A-50
Date Collected: 08/03/21 11:10
Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-6
Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	2.2		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	121		25 - 150				08/05/21 08:06	08/05/21 19:19	1
13C4 PFHpA	115		25 - 150				08/05/21 08:06	08/05/21 19:19	1
13C4 PFOA	113		70 - 130				08/05/21 08:06	08/05/21 19:19	1
13C4 PFOS	106		70 - 130				08/05/21 08:06	08/05/21 19:19	1
13C5 PFNA	109		25 - 150				08/05/21 08:06	08/05/21 19:19	1
13C3 PFBS	87		25 - 150				08/05/21 08:06	08/05/21 19:19	1

Client Sample ID: A-75
Date Collected: 08/03/21 11:05
Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-7
Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 19:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	116		25 - 150				08/05/21 08:06	08/05/21 19:56	1
13C4 PFHpA	114		25 - 150				08/05/21 08:06	08/05/21 19:56	1
13C4 PFOA	113		70 - 130				08/05/21 08:06	08/05/21 19:56	1
13C4 PFOS	103		70 - 130				08/05/21 08:06	08/05/21 19:56	1
13C5 PFNA	107		25 - 150				08/05/21 08:06	08/05/21 19:56	1
13C3 PFBS	83		25 - 150				08/05/21 08:06	08/05/21 19:56	1

Client Sample ID: B-25
Date Collected: 08/03/21 10:55
Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-8
Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	122		25 - 150				08/05/21 08:06	08/05/21 20:14	1
13C4 PFHpA	117		25 - 150				08/05/21 08:06	08/05/21 20:14	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: B-25

Lab Sample ID: 320-77149-8

Date Collected: 08/03/21 10:55

Matrix: Water

Date Received: 08/04/21 10:00

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	112		70 - 130	08/05/21 08:06	08/05/21 20:14	1
13C4 PFOS	107		70 - 130	08/05/21 08:06	08/05/21 20:14	1
13C5 PFNA	109		25 - 150	08/05/21 08:06	08/05/21 20:14	1
13C3 PFBS	86		25 - 150	08/05/21 08:06	08/05/21 20:14	1

Client Sample ID: B-50

Lab Sample ID: 320-77149-9

Date Collected: 08/03/21 10:50

Matrix: Water

Date Received: 08/04/21 10:00

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	112		25 - 150	08/05/21 08:06	08/05/21 20:32	1
13C4 PFHpA	110		25 - 150	08/05/21 08:06	08/05/21 20:32	1
13C4 PFOA	109		70 - 130	08/05/21 08:06	08/05/21 20:32	1
13C4 PFOS	99		70 - 130	08/05/21 08:06	08/05/21 20:32	1
13C5 PFNA	94		25 - 150	08/05/21 08:06	08/05/21 20:32	1
13C3 PFBS	81		25 - 150	08/05/21 08:06	08/05/21 20:32	1

Client Sample ID: B-75

Lab Sample ID: 320-77149-10

Date Collected: 08/03/21 10:45

Matrix: Water

Date Received: 08/04/21 10:00

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 20:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	118		25 - 150	08/05/21 08:06	08/05/21 20:51	1
13C4 PFHpA	119		25 - 150	08/05/21 08:06	08/05/21 20:51	1
13C4 PFOA	111		70 - 130	08/05/21 08:06	08/05/21 20:51	1
13C4 PFOS	104		70 - 130	08/05/21 08:06	08/05/21 20:51	1
13C5 PFNA	108		25 - 150	08/05/21 08:06	08/05/21 20:51	1
13C3 PFBS	86		25 - 150	08/05/21 08:06	08/05/21 20:51	1

Isotope Dilution Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFHxS	C4PFHA	PFOA	PFOS	PFNA	C3PFBS
		(25-150)	(25-150)	(70-130)	(70-130)	(25-150)	(25-150)
320-77149-1	Influent	115	116	111	104	105	88
320-77149-2	Mid point	118	115	109	100	105	86
320-77149-3	Effluent	118	115	108	107	96	85
320-77149-3 MS	Effluent	114	114	106	109	106	87
320-77149-3 MSD	Effluent	103	113	110	106	104	81
320-77149-4	Duplicate	119	116	110	103	104	84
320-77149-5	A-25	121	114	109	109	109	86
320-77149-6	A-50	121	115	113	106	109	87
320-77149-7	A-75	116	114	113	103	107	83
320-77149-8	B-25	122	117	112	107	109	86
320-77149-9	B-50	112	110	109	99	94	81
320-77149-10	B-75	118	119	111	104	108	86
LCS 320-513245/2-A	Lab Control Sample	119	111	112	108	104	88
MB 320-513245/1-A	Method Blank	119	114	112	105	94	87

Surrogate Legend

PFHxS = 18O2 PFHxS
 C4PFHA = 13C4 PFHpA
 PFOA = 13C4 PFOA
 PFOS = 13C4 PFOS
 PFNA = 13C5 PFNA
 C3PFBS = 13C3 PFBS

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-513245/1-A
Matrix: Water
Analysis Batch: 513450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513245

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/05/21 08:06	08/05/21 16:32	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
18O2 PFHxS	119		25 - 150	08/05/21 08:06	08/05/21 16:32	1
13C4 PFHpA	114		25 - 150	08/05/21 08:06	08/05/21 16:32	1
13C4 PFOA	112		70 - 130	08/05/21 08:06	08/05/21 16:32	1
13C4 PFOS	105		70 - 130	08/05/21 08:06	08/05/21 16:32	1
13C5 PFNA	94		25 - 150	08/05/21 08:06	08/05/21 16:32	1
13C3 PFBS	87		25 - 150	08/05/21 08:06	08/05/21 16:32	1

Lab Sample ID: LCS 320-513245/2-A
Matrix: Water
Analysis Batch: 513450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanesulfonic acid (PFBS)	17.7	18.9		ng/L		107	72 - 151
Perfluorohexanesulfonic acid (PFHxS)	18.2	18.7		ng/L		102	73 - 157
Perfluoroheptanoic acid (PFHpA)	20.0	21.9		ng/L		109	71 - 138
Perfluorooctanoic acid (PFOA)	20.0	20.7		ng/L		103	70 - 130
Perfluorooctanesulfonic acid (PFOS)	18.6	19.7		ng/L		106	70 - 130
Perfluorononanoic acid (PFNA)	20.0	22.4		ng/L		112	73 - 147

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
18O2 PFHxS	119		25 - 150
13C4 PFHpA	111		25 - 150
13C4 PFOA	112		70 - 130
13C4 PFOS	108		70 - 130
13C5 PFNA	104		25 - 150
13C3 PFBS	88		25 - 150

Lab Sample ID: 320-77149-3 MS
Matrix: Water
Analysis Batch: 513450

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanesulfonic acid (PFBS)	ND		14.9	15.9		ng/L		106	72 - 151
Perfluorohexanesulfonic acid (PFHxS)	ND		15.4	15.8		ng/L		103	73 - 157
Perfluoroheptanoic acid (PFHpA)	ND		16.9	17.3		ng/L		102	71 - 138
Perfluorooctanoic acid (PFOA)	ND		16.9	16.9		ng/L		100	70 - 130

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-77149-3 MS
Matrix: Water
Analysis Batch: 513450

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	ND		15.7	14.8		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	ND		16.9	15.6		ng/L		92	73 - 147
MS MS									
Isotope Dilution	%Recovery	Qualifier	Limits						
18O2 PFHxS	114		25 - 150						
13C4 PFHpA	114		25 - 150						
13C4 PFOA	106		70 - 130						
13C4 PFOS	109		70 - 130						
13C5 PFNA	106		25 - 150						
13C3 PFBS	87		25 - 150						

Lab Sample ID: 320-77149-3 MSD
Matrix: Water
Analysis Batch: 513450

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanesulfonic acid (PFBS)	ND		15.2	16.6		ng/L		109	72 - 151	4	30
Perfluorohexanesulfonic acid (PFHxS)	ND		15.6	18.2		ng/L		116	73 - 157	14	30
Perfluoroheptanoic acid (PFHpA)	ND		17.2	16.9		ng/L		98	71 - 138	2	30
Perfluorooctanoic acid (PFOA)	ND		17.2	17.1		ng/L		99	70 - 130	1	20
Perfluorooctanesulfonic acid (PFOS)	ND		16.0	14.9		ng/L		94	70 - 130	1	20
Perfluorononanoic acid (PFNA)	ND		17.2	17.3		ng/L		101	73 - 147	10	30
MSD MSD											
Isotope Dilution	%Recovery	Qualifier	Limits								
18O2 PFHxS	103		25 - 150								
13C4 PFHpA	113		25 - 150								
13C4 PFOA	110		70 - 130								
13C4 PFOS	106		70 - 130								
13C5 PFNA	104		25 - 150								
13C3 PFBS	81		25 - 150								

QC Association Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

LCMS

Prep Batch: 513245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-77149-1	Influent	Total/NA	Water	PFAS Prep	
320-77149-2	Mid point	Total/NA	Water	PFAS Prep	
320-77149-3	Effluent	Total/NA	Water	PFAS Prep	
320-77149-4	Duplicate	Total/NA	Water	PFAS Prep	
320-77149-5	A-25	Total/NA	Water	PFAS Prep	
320-77149-6	A-50	Total/NA	Water	PFAS Prep	
320-77149-7	A-75	Total/NA	Water	PFAS Prep	
320-77149-8	B-25	Total/NA	Water	PFAS Prep	
320-77149-9	B-50	Total/NA	Water	PFAS Prep	
320-77149-10	B-75	Total/NA	Water	PFAS Prep	
MB 320-513245/1-A	Method Blank	Total/NA	Water	PFAS Prep	
LCS 320-513245/2-A	Lab Control Sample	Total/NA	Water	PFAS Prep	
320-77149-3 MS	Effluent	Total/NA	Water	PFAS Prep	
320-77149-3 MSD	Effluent	Total/NA	Water	PFAS Prep	

Analysis Batch: 513450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-77149-1	Influent	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-2	Mid point	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-3	Effluent	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-4	Duplicate	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-5	A-25	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-6	A-50	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-7	A-75	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-8	B-25	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-9	B-50	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-10	B-75	Total/NA	Water	WS-LC-0025 Att1	513245
MB 320-513245/1-A	Method Blank	Total/NA	Water	WS-LC-0025 Att1	513245
LCS 320-513245/2-A	Lab Control Sample	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-3 MS	Effluent	Total/NA	Water	WS-LC-0025 Att1	513245
320-77149-3 MSD	Effluent	Total/NA	Water	WS-LC-0025 Att1	513245

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: Influent

Date Collected: 08/03/21 11:20

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-1

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 17:09	K1S	TAL SAC

Client Sample ID: Mid point

Date Collected: 08/03/21 11:00

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-2

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 17:28	K1S	TAL SAC

Client Sample ID: Effluent

Date Collected: 08/03/21 10:35

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-3

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 17:46	K1S	TAL SAC

Client Sample ID: Duplicate

Date Collected: 08/03/21 00:00

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-4

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 18:42	K1S	TAL SAC

Client Sample ID: A-25

Date Collected: 08/03/21 11:15

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-5

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 19:00	K1S	TAL SAC

Client Sample ID: A-50

Date Collected: 08/03/21 11:10

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-6

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 19:19	K1S	TAL SAC

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Client Sample ID: A-75

Date Collected: 08/03/21 11:05

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-7

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 19:56	K1S	TAL SAC

Client Sample ID: B-25

Date Collected: 08/03/21 10:55

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-8

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 20:14	K1S	TAL SAC

Client Sample ID: B-50

Date Collected: 08/03/21 10:50

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-9

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 20:32	K1S	TAL SAC

Client Sample ID: B-75

Date Collected: 08/03/21 10:45

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77149-10

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	PFAS Prep			1.00 mL	1.66 mL	513245	08/05/21 08:06	HJA	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			513450	08/05/21 20:51	K1S	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

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
New York	NELAP	11666	04-01-22

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
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorobutanesulfonic acid (PFBS)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluoroheptanoic acid (PFHpA)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorohexanesulfonic acid (PFHxS)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorononanoic acid (PFNA)

Method Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Method	Method Description	Protocol	Laboratory
WS-LC-0025 Att1	Fluorinated Alkyl Substances	TAL-SAC	TAL SAC
PFAS Prep	Preparation, Direct Inject PFAS	TAL-SAC	TAL SAC

Protocol References:

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

Laboratory References:

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




Sample Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-77149-1	Influent	Water	08/03/21 11:20	08/04/21 10:00
320-77149-2	Mid point	Water	08/03/21 11:00	08/04/21 10:00
320-77149-3	Effluent	Water	08/03/21 10:35	08/04/21 10:00
320-77149-3 MS	Effluent	Water	08/03/21 10:35	08/04/21 10:00
320-77149-3 MSD	Effluent	Water	08/03/21 10:35	08/04/21 10:00
320-77149-4	Duplicate	Water	08/03/21 00:00	08/04/21 10:00
320-77149-5	A-25	Water	08/03/21 11:15	08/04/21 10:00
320-77149-6	A-50	Water	08/03/21 11:10	08/04/21 10:00
320-77149-7	A-75	Water	08/03/21 11:05	08/04/21 10:00
320-77149-8	B-25	Water	08/03/21 10:55	08/04/21 10:00
320-77149-9	B-50	Water	08/03/21 10:50	08/04/21 10:00
320-77149-10	B-75	Water	08/03/21 10:45	08/04/21 10:00



Client Information		Lab PM: Stone, Judy L		Carrier Tracking No(s): 480-163238-35194.2	
Company: Precision Environmental Services Inc.		E-Mail: Judy.Stone@Eurofinset.com		Page: Page 2 of 2	
Address: 831 State Route 67 Ste 38		State of Origin:		Job #:	
City: Ballston Spa		TAT Requested (days): 72 Hour (3-Day)		Analysis Requested:	
State, Zip: NY, 12020		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		 320-77149 Chain of Custody	
Phone: 518-402-9813(Tel)		Callout ID: 137132		Preservation Codes: ICL M - Hexane laOH N - None n-Acetate O - AshAO2 Nitric Acid P - Na2O4S aHSO4 Q - Na2SO3 eOH R - Na2S2O3 mchlor S - H2SO4 .sorbic Acid T - TSP Dodecahydrate L - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA L - EDA Z - other (specify) Other:	
Email: breumann@pesnyinc.com		Project #: 48020467		Total Number of Containers:	
Project Name: Stewart ANG Base #336089 Kroll Well		SSOW#:		Special Instructions/Notes:	
Site:		Sample Date		Field Filtered Sample (Yes or No)	
Sample Identification		Sample Time		Form MS/MSD (Yes or No)	
Influent		8-3-21 1120		X	
Mid Point		1100		X	
Effluent		1035		X	
Duplicate		1115		X	
A-25		1116		X	
A-50		1105		X	
A-75		1055		X	
B-25		1050		X	
B-50		1045		X	
B-75				X	
Matrix (Water, Solid, Other)		Sample Type (C=Comp, G=grab)		Preservation Code:	
Water		G=grab		Water	
Possible Hazard Identification		Date/Time		Date/Time	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant		8-3-21 / 1326		8-3-21 1326	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time		Date/Time	
Empty Kit Relinquished by:		Relinquished by: Tim Krollman		Relinquished by: Page Cator Ygg	
Relinquished by: Peter Lusk		Date/Time: 8-3-21 1700		Date/Time: 8-3-21 1000	
Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No: 1632337		Cooler Temperature(s) °C and Other Remarks: 11°C	



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 320-77149-1

Login Number: 77149

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Oropeza, Salvador

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	1632337
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	