

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

10600T - CAMANO CO-OP WATER & POWER CO

JOB NUMBER

410-173488-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.
(DW, Water matrices)

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Qualifiers

LCMS

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Washington State Dept of Health
Project: 10600T - CAMANO CO-OP WATER & POWER CO

Job ID: 410-173488-1

Job ID: 410-173488-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-173488-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 5/25/2024 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

Receipt Exceptions

PFAS

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

Detection Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Client Sample ID: Weston Well 5

Lab Sample ID: 410-173488-1

☐ No Detections.

Client Sample ID: Lost Meadows Well 2 AKY881

Lab Sample ID: 410-173488-2

☐ No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Client Sample ID: Weston Well 5

Lab Sample ID: 410-173488-1

Date Collected: 05/23/24 14:50

Matrix: Drinking Water

Date Received: 05/25/24 09:55

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid(9Cl-PF3ONS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorobutanoic acid (PFBA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorodecanoic acid (PFDA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorononanoic acid (PFNA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluorooctanoic acid (PFOA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	ng/L		06/04/24 13:12	06/07/24 05:19	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDoA	117		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C3 HFPO-DA	103		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C3 PFBS	118		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C3 PFHxS	121		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C4 PFBA	121		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C4 PFHpA	119		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C5 PFHxA	111		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C5 PFPeA	144		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C6 PFDA	118		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C7 PFUnA	120		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C8 PFOA	118		50 - 200	06/04/24 13:12	06/07/24 05:19	1
13C8 PFOS	123		50 - 200	06/04/24 13:12	06/07/24 05:19	1

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Client Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Client Sample ID: Weston Well 5

Date Collected: 05/23/24 14:50

Date Received: 05/25/24 09:55

Lab Sample ID: 410-173488-1

Matrix: Drinking Water

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	123		50 - 200	06/04/24 13:12	06/07/24 05:19	1
M2-4:2 FTS	147		50 - 200	06/04/24 13:12	06/07/24 05:19	1
M2-6:2 FTS	157		50 - 200	06/04/24 13:12	06/07/24 05:19	1
M2-8:2 FTS	133		50 - 200	06/04/24 13:12	06/07/24 05:19	1

Client Sample ID: Lost Meadows Well 2 AKY881

Date Collected: 05/23/24 15:15

Date Received: 05/25/24 09:55

Lab Sample ID: 410-173488-2

Matrix: Drinking Water

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorobutanoic acid (PFBA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorodecanoic acid (PFDA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorononanoic acid (PFNA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluorooctanoic acid (PFOA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	ng/L		06/04/24 13:12	06/07/24 05:54	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDoA	118		50 - 200			06/04/24 13:12	06/07/24 05:54	1
13C3 HFPO-DA	105		50 - 200			06/04/24 13:12	06/07/24 05:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Client Sample ID: Lost Meadows Well 2 AKY881

Lab Sample ID: 410-173488-2

Date Collected: 05/23/24 15:15

Matrix: Drinking Water

Date Received: 05/25/24 09:55

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	114		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C3 PFHxS	118		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C4 PFBA	122		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C4 PFHpA	117		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C5 PFHxA	115		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C5 PFPeA	136		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C6 PFDA	117		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C7 PFUnA	115		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C8 PFOA	115		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C8 PFOS	117		50 - 200	06/04/24 13:12	06/07/24 05:54	1
13C9 PFNA	119		50 - 200	06/04/24 13:12	06/07/24 05:54	1
M2-4:2 FTS	148		50 - 200	06/04/24 13:12	06/07/24 05:54	1
M2-6:2 FTS	145		50 - 200	06/04/24 13:12	06/07/24 05:54	1
M2-8:2 FTS	131		50 - 200	06/04/24 13:12	06/07/24 05:54	1

Isotope Dilution Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Drinking Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFD _o A (50-200)	HFPO _{DA} (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	PFBA (50-200)	C4PFHA (50-200)	13C5PHA (50-200)	PFP _e A (50-200)
410-173488-1	Weston Well 5	117	103	118	121	121	119	111	144
410-173488-1 MS	Weston Well 5	123	104	115	121	120	126	110	133
410-173488-1 MSD	Weston Well 5	126	120	110	123	127	124	120	146
410-173488-2	Lost Meadows Well 2 AKY881	118	105	114	118	122	117	115	136
LCS 410-513482/2-A	Lab Control Sample	127	117	127	127	127	124	123	133
LLCS 410-513482/3-A	Lab Control Sample	116	110	116	119	130	117	111	136
MB 410-513482/1-A	Method Blank	116	114	122	122	125	121	117	138

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C6PFDA (50-200)	13C7PUA (50-200)	C8PFOA (50-200)	C8PFOS (50-200)	C9PFNA (50-200)	M242FTS (50-200)	M262FTS (50-200)	M282FTS (50-200)
410-173488-1	Weston Well 5	118	120	118	123	123	147	157	133
410-173488-1 MS	Weston Well 5	120	120	116	121	123	138	141	142
410-173488-1 MSD	Weston Well 5	130	135	128	123	130	138	138	137
410-173488-2	Lost Meadows Well 2 AKY881	117	115	115	117	119	148	145	131
LCS 410-513482/2-A	Lab Control Sample	128	128	133	131	132	142	150	146
LLCS 410-513482/3-A	Lab Control Sample	118	121	117	123	126	137	145	141
MB 410-513482/1-A	Method Blank	123	123	123	122	126	141	144	147

Surrogate Legend

PFD_oA = 13C2 PFD_oA
HFPO_{DA} = 13C3 HFPO-DA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
13C5PHA = 13C5 PFHxA
PFP_eA = 13C5 PFP_eA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
C8PFOA = 13C8 PFOA
C8PFOS = 13C8 PFOS
C9PFNA = 13C9 PFNA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MB 410-513482/1-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 513482

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorobutanoic acid (PFBA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorodecanoic acid (PFDA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorononanoic acid (PFNA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluorooctanoic acid (PFOA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	ng/L		06/04/24 13:12	06/07/24 03:23	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDoA	116		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C3 HFPO-DA	114		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C3 PFBS	122		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C3 PFHxS	122		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C4 PFBA	125		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C4 PFHpA	121		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C5 PFHxA	117		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C5 PFPeA	138		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C6 PFDA	123		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C7 PFUnA	123		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C8 PFOA	123		50 - 200	06/04/24 13:12	06/07/24 03:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MB 410-513482/1-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 513482

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	122		50 - 200	06/04/24 13:12	06/07/24 03:23	1
13C9 PFNA	126		50 - 200	06/04/24 13:12	06/07/24 03:23	1
M2-4:2 FTS	141		50 - 200	06/04/24 13:12	06/07/24 03:23	1
M2-6:2 FTS	144		50 - 200	06/04/24 13:12	06/07/24 03:23	1
M2-8:2 FTS	147		50 - 200	06/04/24 13:12	06/07/24 03:23	1

Lab Sample ID: LCS 410-513482/2-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	74.4	71.4		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.6	78.6		ng/L		103	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	74.7	76.4		ng/L		102	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	75.8	78.0		ng/L		103	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	75.6	84.4		ng/L		112	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	74.4	70.7		ng/L		95	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80.0	82.8		ng/L		104	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	80.0	83.9		ng/L		105	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	71.2	69.2		ng/L		97	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	80.0	87.9		ng/L		110	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	80.0	88.8		ng/L		111	70 - 130
Perfluorobutanesulfonic acid (PFBS)	70.8	70.8		ng/L		100	70 - 130
Perfluorobutanoic acid (PFBA)	80.0	83.1		ng/L		104	70 - 130
Perfluorodecanoic acid (PFDA)	80.0	83.8		ng/L		105	70 - 130
Perfluorododecanoic acid (PFDoA)	80.0	81.4		ng/L		102	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	76.2	77.0		ng/L		101	70 - 130
Perfluoroheptanoic acid (PFHpA)	80.0	82.5		ng/L		103	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	73.0	74.9		ng/L		103	70 - 130
Perfluorohexanoic acid (PFHxA)	80.0	83.6		ng/L		105	70 - 130
Perfluorononanoic acid (PFNA)	80.0	80.1		ng/L		100	70 - 130
Perfluorooctanesulfonic acid (PFOS)	74.0	73.5		ng/L		99	70 - 130
Perfluorooctanoic acid (PFOA)	80.0	77.5		ng/L		97	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LCS 410-513482/2-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	75.0	75.7		ng/L		101	70 - 130
Perfluoropentanoic acid (PFPeA)	80.0	82.3		ng/L		103	70 - 130
Perfluoroundecanoic acid (PFUnA)	80.0	78.1		ng/L		98	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDoA	127		50 - 200
13C3 HFPO-DA	117		50 - 200
13C3 PFBS	127		50 - 200
13C3 PFHxS	127		50 - 200
13C4 PFBA	127		50 - 200
13C4 PFHpA	124		50 - 200
13C5 PFHxA	123		50 - 200
13C5 PFPeA	133		50 - 200
13C6 PFDA	128		50 - 200
13C7 PFUnA	128		50 - 200
13C8 PFOA	133		50 - 200
13C8 PFOS	131		50 - 200
13C9 PFNA	132		50 - 200
M2-4:2 FTS	142		50 - 200
M2-6:2 FTS	150		50 - 200
M2-8:2 FTS	146		50 - 200

Lab Sample ID: LLCS 410-513482/3-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.86	2.05		ng/L		110	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	2.14		ng/L		112	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.87	2.08		ng/L		112	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	2.22		ng/L		117	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	2.25		ng/L		119	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	1.86	1.89	J	ng/L		102	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	2.49		ng/L		125	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	2.35		ng/L		118	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	1.78	1.91	J	ng/L		108	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	2.25		ng/L		112	50 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LLCS 410-513482/3-A

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	2.29		ng/L		115	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.77	1.98	J	ng/L		112	50 - 150
Perfluorobutanoic acid (PFBA)	2.00	2.23		ng/L		112	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.37		ng/L		119	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.35		ng/L		117	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.02		ng/L		106	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.43		ng/L		121	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.99	J	ng/L		109	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.38		ng/L		119	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.26		ng/L		113	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.85	2.16		ng/L		117	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.54		ng/L		127	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	2.04		ng/L		109	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	2.37		ng/L		119	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.25		ng/L		112	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C2 PFDoA	116		50 - 200
13C3 HFPO-DA	110		50 - 200
13C3 PFBS	116		50 - 200
13C3 PFHxS	119		50 - 200
13C4 PFBA	130		50 - 200
13C4 PFHpA	117		50 - 200
13C5 PFHxA	111		50 - 200
13C5 PFPeA	136		50 - 200
13C6 PFDA	118		50 - 200
13C7 PFUnA	121		50 - 200
13C8 PFOA	117		50 - 200
13C8 PFOS	123		50 - 200
13C9 PFNA	126		50 - 200
M2-4:2 FTS	137		50 - 200
M2-6:2 FTS	145		50 - 200
M2-8:2 FTS	141		50 - 200

Lab Sample ID: 410-173488-1 MS

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Weston Well 5

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		62.6	61.4		ng/L		98	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: 410-173488-1 MS

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Weston Well 5

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		64.5	62.1		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		62.9	66.5		ng/L		106	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		63.9	65.5		ng/L		103	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		63.7	69.1		ng/L		109	70 - 130
9-Chlorohexadecafluoro-3-oxan onane-1-sulfonic acid(9Cl-PF3ONS)	ND		62.6	62.3		ng/L		99	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		67.4	74.8		ng/L		111	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		67.4	72.8		ng/L		108	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		60.0	65.2		ng/L		109	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		67.4	83.5		ng/L		124	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		67.4	80.6		ng/L		120	70 - 130
Perfluorobutanesulfonic acid (PFBS)	ND		59.6	62.8		ng/L		105	70 - 130
Perfluorobutanoic acid (PFBA)	ND		67.4	72.5		ng/L		108	70 - 130
Perfluorodecanoic acid (PFDA)	ND		67.4	75.4		ng/L		112	70 - 130
Perfluorododecanoic acid (PFDoA)	ND		67.4	70.2		ng/L		104	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	ND		64.1	66.3		ng/L		103	70 - 130
Perfluoroheptanoic acid (PFHpA)	ND		67.4	68.2		ng/L		101	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	ND		61.4	66.9		ng/L		109	70 - 130
Perfluorohexanoic acid (PFHxA)	ND		67.4	76.9		ng/L		114	70 - 130
Perfluorononanoic acid (PFNA)	ND		67.4	70.4		ng/L		105	70 - 130
Perfluorooctanesulfonic acid (PFOS)	ND		62.3	63.5		ng/L		102	70 - 130
Perfluorooctanoic acid (PFOA)	ND		67.4	73.2		ng/L		109	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	ND		63.2	66.6		ng/L		105	70 - 130
Perfluoropentanoic acid (PFPeA)	ND		67.4	73.4		ng/L		109	70 - 130
Perfluoroundecanoic acid (PFUnA)	ND		67.4	69.4		ng/L		103	70 - 130
		MS	MS						
Isotope Dilution	%Recovery	Qualifier	Limits						
13C2 PFDoA	123		50 - 200						
13C3 HFPO-DA	104		50 - 200						
13C3 PFBS	115		50 - 200						
13C3 PFHxS	121		50 - 200						
13C4 PFBA	120		50 - 200						
13C4 PFHpA	126		50 - 200						
13C5 PFHxA	110		50 - 200						
13C5 PFPeA	133		50 - 200						

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: 410-173488-1 MS

Matrix: Drinking Water

Analysis Batch: 514686

Client Sample ID: Weston Well 5

Prep Type: Total/NA

Prep Batch: 513482

<i>Isotope Dilution</i>	<i>MS %Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
13C6 PFDA	120		50 - 200
13C7 PFUnA	120		50 - 200
13C8 PFOA	116		50 - 200
13C8 PFOS	121		50 - 200
13C9 PFNA	123		50 - 200
M2-4:2 FTS	138		50 - 200
M2-6:2 FTS	141		50 - 200
M2-8:2 FTS	142		50 - 200

Lab Sample ID: 410-173488-1 MSD

Matrix: Drinking Water

Analysis Batch: 515084

Client Sample ID: Weston Well 5

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		63.9	65.0		ng/L		102	70 - 130	6	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		65.8	67.5		ng/L		102	70 - 130	8	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		64.2	69.3		ng/L		108	70 - 130	4	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		65.2	69.6		ng/L		107	70 - 130	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		64.9	73.3		ng/L		113	70 - 130	6	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		63.9	63.8		ng/L		100	70 - 130	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		68.7	74.8		ng/L		109	70 - 130	0	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		68.7	77.0		ng/L		112	70 - 130	6	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		61.2	67.5		ng/L		110	70 - 130	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		68.7	83.7		ng/L		122	70 - 130	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		68.7	75.3		ng/L		110	70 - 130	7	30
Perfluorobutanesulfonic acid (PFBS)	ND		60.8	65.9		ng/L		108	70 - 130	5	30
Perfluorobutanoic acid (PFBA)	ND		68.7	74.9		ng/L		109	70 - 130	3	30
Perfluorodecanoic acid (PFDA)	ND		68.7	66.7		ng/L		97	70 - 130	12	30
Perfluorododecanoic acid (PFDoA)	ND		68.7	74.9		ng/L		109	70 - 130	6	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		65.4	68.4		ng/L		105	70 - 130	3	30
Perfluoroheptanoic acid (PFHpA)	ND		68.7	74.0		ng/L		108	70 - 130	8	30
Perfluorohexanesulfonic acid (PFHxS)	ND		62.7	65.1		ng/L		104	70 - 130	3	30
Perfluorohexanoic acid (PFHxA)	ND		68.7	76.4		ng/L		111	70 - 130	1	30
Perfluorononanoic acid (PFNA)	ND		68.7	74.9		ng/L		109	70 - 130	6	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: 410-173488-1 MSD

Matrix: Drinking Water

Analysis Batch: 515084

Client Sample ID: Weston Well 5

Prep Type: Total/NA

Prep Batch: 513482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	ND		63.6	65.2		ng/L		103	70 - 130	3	30
Perfluorooctanoic acid (PFOA)	ND		68.7	69.8		ng/L		102	70 - 130	5	30
Perfluoropentanesulfonic acid (PFPeS)	ND		64.5	66.0		ng/L		102	70 - 130	1	30
Perfluoropentanoic acid (PFPeA)	ND		68.7	72.6		ng/L		106	70 - 130	1	30
Perfluoroundecanoic acid (PFUnA)	ND		68.7	68.2		ng/L		99	70 - 130	2	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFDoA	126		50 - 200
13C3 HFPO-DA	120		50 - 200
13C3 PFBS	110		50 - 200
13C3 PFHxS	123		50 - 200
13C4 PFBA	127		50 - 200
13C4 PFHpA	124		50 - 200
13C5 PFHxA	120		50 - 200
13C5 PFPeA	146		50 - 200
13C6 PFDA	130		50 - 200
13C7 PFUnA	135		50 - 200
13C8 PFOA	128		50 - 200
13C8 PFOS	123		50 - 200
13C9 PFNA	130		50 - 200
M2-4:2 FTS	138		50 - 200
M2-6:2 FTS	138		50 - 200
M2-8:2 FTS	137		50 - 200

QC Association Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

LCMS

Prep Batch: 513482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-173488-1	Weston Well 5	Total/NA	Drinking Water	533 Prep	
410-173488-2	Lost Meadows Well 2 AKY881	Total/NA	Drinking Water	533 Prep	
MB 410-513482/1-A	Method Blank	Total/NA	Drinking Water	533 Prep	
LCS 410-513482/2-A	Lab Control Sample	Total/NA	Drinking Water	533 Prep	
LLCS 410-513482/3-A	Lab Control Sample	Total/NA	Drinking Water	533 Prep	
410-173488-1 MS	Weston Well 5	Total/NA	Drinking Water	533 Prep	
410-173488-1 MSD	Weston Well 5	Total/NA	Drinking Water	533 Prep	

Analysis Batch: 514686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-173488-1	Weston Well 5	Total/NA	Drinking Water	533	513482
410-173488-2	Lost Meadows Well 2 AKY881	Total/NA	Drinking Water	533	513482
MB 410-513482/1-A	Method Blank	Total/NA	Drinking Water	533	513482
LCS 410-513482/2-A	Lab Control Sample	Total/NA	Drinking Water	533	513482
LLCS 410-513482/3-A	Lab Control Sample	Total/NA	Drinking Water	533	513482
410-173488-1 MS	Weston Well 5	Total/NA	Drinking Water	533	513482

Analysis Batch: 515084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-173488-1 MSD	Weston Well 5	Total/NA	Drinking Water	533	513482

Lab Chronicle

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Client Sample ID: Weston Well 5

Lab Sample ID: 410-173488-1

Date Collected: 05/23/24 14:50

Matrix: Drinking Water

Date Received: 05/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533 Prep			513482	HQ8B	ELLE	06/04/24 13:12
Total/NA	Analysis	533		1	514686	QD9Y	ELLE	06/07/24 05:19

Client Sample ID: Lost Meadows Well 2 AKY881

Lab Sample ID: 410-173488-2

Date Collected: 05/23/24 15:15

Matrix: Drinking Water

Date Received: 05/25/24 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533 Prep			513482	HQ8B	ELLE	06/04/24 13:12
Total/NA	Analysis	533		1	514686	QD9Y	ELLE	06/07/24 05:54

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-24 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	ELLE
533 Prep	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Washington State Dept of Health
Project/Site: 10600T - CAMANO CO-OP WATER & POWER
CO

Job ID: 410-173488-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-173488-1	Weston Well 5	Drinking Water	05/23/24 14:50	05/25/24 09:55
410-173488-2	Lost Meadows Well 2 AKY881	Drinking Water	05/23/24 15:15	05/25/24 09:55

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



410-173488-02 Chain of Custody

Per- and Polyfluoroalkyl Substances (PFAS)
533 Analysis

Date Collected: <u>5/23/24</u>	System Group Type: (circle one) <u>(A)</u> B Other:
Water System ID Number: <u>106001</u>	System Name: <u>Campbell Coop</u>
	County: <u>Island</u>
Sample Location: <u>Weston well</u> <u>105+ meadows</u>	Source Number(s): (list all sources if blended or composi <u>505, (105+ meadows well)</u> <u>502 (Weston well)</u>
Sample Purpose: (check appropriate box) ☒ RC – Routine/Compliance (satisfies monitoring ☐ C – Confirmation (confirmation of chemical result)* ☐ I – Investigative (does not satisfy monitoring requirements) ☐ O – Other (specify – does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box) ☒ S – Single Source ☐ B – Blended (list source numbers in "Source Numbers" field) ☐ C – Composite (list source numbers in "Source Numbers" field) ☐ D – Distribution Sample	Sample Type: (check one) ☒ Pre-treatment/Untreated (Raw) ☐ Post-treatment (Finished) ☐ Unknown or Other:

Login Sample Receipt Checklist

Client: Washington State Dept of Health

Job Number: 410-173488-1

Login Number: 173488

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	