



**HONORABLE MAYOR**  
Anthony David Turner, MPH

**TOWN CLERK**  
Valerie M. Armendariz, MPA

**MAYOR PRO-TEM**  
Eluterio F. Alfaro, Place # 4

**CHIEF OF POLICE**  
Carlos Enriquez, MPA

**TOWN COUNCIL**  
Alicia Stevens, Place # 1  
Shawn Weeks, Place #2  
Soledad Flores, Place # 3  
Eduardo Chavez, Place # 5

May 1, 2024

Texas Commission on Environmental Quality  
Water Supply Division  
Drinking Water Standards Section (MC-155)  
Ms. Laura Higgins, Section Manager  
P.O. Box 13087  
Austin, Texas 78711-3087

***Subject: Results of Unregulated Contaminant Monitoring Town of Anthon, Texas***  
***PWS ID TX0710001, El Paso County, TX***

Dear Ms. Higgins,

I am writing to you as the Mayor of the Town of Anthony concerning a discrepancy between the PFAS concentration levels reported in the EPA's UCMR5 and those obtained through our independent analysis conducted in response. Following the recent publication of the EPA's UCMR5 dataset dated August 17, 2023, which identified unusually high PFAS concentrations in the Town's Well 2, the Town engaged Eurofins lab to perform testing of water from all three of the Town's wells. This step was taken as part of our broader effort to validate and address the concerning findings initially reported, and to take appropriate steps in response to these preliminary results.

The Eurofins lab testing conducted on January 29, 2024, presented a stark contrast to the EPA's results, as it detected no PFAS contamination in any of the wells, including Well 2. This discrepancy raises concerns about the initial findings and the potential implications for public health and community safety.

Given this difference between the two sampling events, we respectfully request a joint review of the sampling procedure conducted by the EPA, along with a reevaluation of both sets of results. The analytical results of the testing provided by Eurofins lab are included with this letter for your review. It is crucial for our community that we base our actions and policies on accurate data. We are fully





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prepared to provide all necessary details and facilitate further testing to ensure clarity on this matter, as part of the due diligence carried out by the Town to ensure the health and safety of the community. The Town of Anthony deeply values TCEQ's and EPA's commitment to uphold stringent and evidence-based environmental and health standards. We appreciate your urgent attention to this emerging contaminant and look forward to your guidance on how best to proceed.

Thank you for your attention on this issue. We value your partnership in ensuring the well-being of our community and we are ready to assist in any way necessary to facilitate a review of this matter.

Yours sincerely,

---

Anthony Turner, MPH, Mayor  
Town of Anthony  
Ph. 915-886-3944  
Email: [mayor@townofanthony.org](mailto:mayor@townofanthony.org)

Cc: EPA – Brian Dye, email: [dye.brian@epa.gov](mailto:dye.brian@epa.gov)  
TCEQ El Paso Office  
EPA Region 6 Office, Dallas, TX.  
Town of Anthony, Isael Martinez Utilities Director  
Parkhill – Mark O. Sanchez, P.E.

Enclosure: Eurofins Test Results 2/16/24 Report (43 pages)



April 29, 2024

Town of Anthony  
Mr. Anthony Turner  
Mayor  
401 Wildcat Dr  
Anthony, Texas 79821

**Transmitted via e-mail:**  
To: mayor@townofanthony.org

Re: PFAS Test Results for Town of Anthony Wells 1, 2, and 3


Dear Mayor:

Attached to this letter is a full copy of the subject PFAS results (43-page report) originally transmitted to the Town by email on February 16, 2024. Two samples were taken from each of the Town's three wells on January 29, 2024 by the Town's Engineer (Parkhill) and staff from Anthony Public Works Department. Samples were analyzed by Eurofins Sacramento California Lab. Test results were received from Eurofins on February 16, 2024. Page 6 of the attached report shows that all six samples showed "No Detections" of any PFAS chemicals. "Pdt" in the report is abbreviation for "Product" with number of the well appended on the end. For example, "Pdt 1" means the product water for Well No. 1.

If you have any questions or require additional information, I can be reached at 915-533-6811.

Sincerely,

PARKHILL

By   
Mark O. Sanchez, P.E.  
Town Engineer

MOS/erv  
Enclosure: Eurofins Test Results 2/16/24 Report (43 pages)

Cc: imart@townofanthony.org



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Kyle Hetzel  
Parkhill  
501 W San Antonio Ave  
El Paso, Texas 79901

Generated 2/16/2024 9:42:27 AM

## JOB DESCRIPTION

PFAS, Drinking Water, Town of Anthony

## JOB NUMBER

320-109224-1

# Eurofins Sacramento

## Job Notes

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

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

## Authorization



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Authorized for release by  
Criselda Caparas, Project Manager I  
[Criselda.Caparas@et.eurofinsus.com](mailto:Criselda.Caparas@et.eurofinsus.com)  
(510)600-4414



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# Definitions/Glossary

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

## 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: Parkhill  
Project: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Job ID: 320-109224-1**

**Eurofins Sacramento**

## Job Narrative 320-109224-1

### Receipt

The samples were received on 1/30/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.9° C.

### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed  
COC was not relinquished by shipper.

On 01/31/2024 Kyle responded to the NON Conformance below and sent a revised COC with signature.

: The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): Well 1 FRB 1 (320-109224-1), Well 1 Pdt 1 (320-109224-2), Well 1 FRB 2 (320-109224-3), Well 1 Pdt 2 (320-109224-4), Well 2 Pdt 1 (320-109224-5), Well 2 FRB 1 (320-109224-6), Well 2 FRB 2 (320-109224-7), Well 2 Pdt 2 (320-109224-8), Well 3 FRB 1 (320-109224-9), Well 3 FRB 2 (320-109224-10), Well 3 Pdt 1 (320-109224-11) and Well 3 Pdt 2 (320-109224-12).  
All samples, Sample containers have no dates.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): Well 2 Pdt 1 (320-109224-5), Well 2 Pdt 2 (320-109224-8) and Well 3 FRB 2 (320-109224-10).  
Sample 5 & 8, Sample containers have ID with Prod. COC has ID with Pdt.

### LCMS

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

### Organic Prep

Method 533: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-738242.

Method 533: The following samples in preparation batch 320-738242 were orange in color prior to extraction. Well 3 Pdt 1 (320-109224-11) and Well 3 Pdt 2 (320-109224-12)

Method 533: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-739358.

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

Eurofins Sacramento



# Detection Summary

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

Well 1 Samples  
Well 2 Samples  
Well 3 Samples

<input type="checkbox"/> No Detections.	Client Sample ID: Well 1 FRB 1	Lab Sample ID: 320-109224-1
<input type="checkbox"/> No Detections.	Client Sample ID: Well 1 Pdt 1	Lab Sample ID: 320-109224-2
<input type="checkbox"/> No Detections.	Client Sample ID: Well 1 FRB 2	Lab Sample ID: 320-109224-3
<input type="checkbox"/> No Detections.	Client Sample ID: Well 1 Pdt 2	Lab Sample ID: 320-109224-4
<input type="checkbox"/> No Detections.	Client Sample ID: Well 2 Pdt 1	Lab Sample ID: 320-109224-5
<input type="checkbox"/> No Detections.	Client Sample ID: Well 2 FRB 1	Lab Sample ID: 320-109224-6
<input type="checkbox"/> No Detections.	Client Sample ID: Well 2 FRB 2	Lab Sample ID: 320-109224-7
<input type="checkbox"/> No Detections.	Client Sample ID: Well 2 Pdt 2	Lab Sample ID: 320-109224-8
<input type="checkbox"/> No Detections.	Client Sample ID: Well 3 FRB 1	Lab Sample ID: 320-109224-9
<input type="checkbox"/> No Detections.	Client Sample ID: Well 3 FRB 2	Lab Sample ID: 320-109224-10
<input type="checkbox"/> No Detections.	Client Sample ID: Well 3 Pdt 1	Lab Sample ID: 320-109224-11
<input type="checkbox"/> No Detections.	Client Sample ID: Well 3 Pdt 2	Lab Sample ID: 320-109224-12

See Note (2)

- Note:
- 1) Between Wells 1, 2, and 3, there are three associated samples. They are...
    - FRB = Field Reagent Blank, this is non-well water which acts as a "control" sample.
    - PDT 1 = Well Water, First Sample
    - PDT 2 = Well Water, Second Sample
  - 2) Out of the six samples collected (two samples per well, at three wells), there were "No Detections" of PFAS, PFOA, PFOS, etc. Based on these results, there is no evidence of "forever chemical" contamination.
  - 3) This sampling was carried out using the EPA's Method 533: *Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry*

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 1 FRB 1**

**Lab Sample ID: 320-109224-1**

**Date Collected: 01/29/24 09:00**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C5 PFPeA	86		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C3 PFBS	94		50 - 200	02/09/24 07:26	02/12/24 14:58	1
M2-4:2 FTS	124		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C5 PFHxA	80		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C3 HFPO-DA	74		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C4 PFHpA	89		50 - 200	02/09/24 07:26	02/12/24 14:58	1
M2-6:2 FTS	98		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C8 PFOA	72		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C9 PFNA	76		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C8 PFOS	94		50 - 200	02/09/24 07:26	02/12/24 14:58	1
M2-8:2 FTS	85		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C6 PFDA	69		50 - 200	02/09/24 07:26	02/12/24 14:58	1

Eurofins Sacramento

# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 1 FRB 1**

**Lab Sample ID: 320-109224-1**

**Date Collected: 01/29/24 09:00**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C7 PFUnA	65		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C2 PFDoA	72		50 - 200	02/09/24 07:26	02/12/24 14:58	1
13C3 PFHxS	93		50 - 200	02/09/24 07:26	02/12/24 14:58	1

**Client Sample ID: Well 1 Pdt 1**

**Lab Sample ID: 320-109224-2**

**Date Collected: 01/29/24 09:05**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:07	1

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	79		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C5 PFPeA	77		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C3 PFBS	101		50 - 200	02/09/24 07:26	02/12/24 15:07	1
M2-4:2 FTS	103		50 - 200	02/09/24 07:26	02/12/24 15:07	1

Eurofins Sacramento

# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 1 Pdt 1**

**Lab Sample ID: 320-109224-2**

**Date Collected: 01/29/24 09:05**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	81		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C3 HFPO-DA	74		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C4 PFHpA	93		50 - 200	02/09/24 07:26	02/12/24 15:07	1
M2-6:2 FTS	96		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C8 PFOA	76		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C9 PFNA	83		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C8 PFOS	93		50 - 200	02/09/24 07:26	02/12/24 15:07	1
M2-8:2 FTS	86		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C6 PFDA	81		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C7 PFUnA	77		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C2 PFDoA	84		50 - 200	02/09/24 07:26	02/12/24 15:07	1
13C3 PFHxS	96		50 - 200	02/09/24 07:26	02/12/24 15:07	1

**Client Sample ID: Well 1 FRB 2**

**Lab Sample ID: 320-109224-3**

**Date Collected: 01/29/24 09:32**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 1 FRB 2**

**Lab Sample ID: 320-109224-3**

**Date Collected: 01/29/24 09:32**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C5 PFPeA	75		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C3 PFBS	90		50 - 200				02/09/24 07:26	02/12/24 15:16	1
M2-4:2 FTS	95		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C5 PFHxA	79		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C3 HFPO-DA	71		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C4 PFHpA	88		50 - 200				02/09/24 07:26	02/12/24 15:16	1
M2-6:2 FTS	92		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C8 PFOA	79		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C9 PFNA	87		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C8 PFOS	88		50 - 200				02/09/24 07:26	02/12/24 15:16	1
M2-8:2 FTS	81		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C6 PFDA	78		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C7 PFUnA	88		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C2 PFDoA	90		50 - 200				02/09/24 07:26	02/12/24 15:16	1
13C3 PFHxS	91		50 - 200				02/09/24 07:26	02/12/24 15:16	1

**Client Sample ID: Well 1 Pdt 2**

**Lab Sample ID: 320-109224-4**

**Date Collected: 01/29/24 09:35**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecanoic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
9-Chlorohexadecafluoro-3-oxanonanoic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 1 Pdt 2**

**Lab Sample ID: 320-109224-4**

**Date Collected: 01/29/24 09:35**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C5 PFPeA	85		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C3 PFBS	93		50 - 200				02/09/24 07:26	02/12/24 15:25	1
M2-4:2 FTS	130		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C5 PFHxA	72		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C3 HFPO-DA	66		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C4 PFHpA	77		50 - 200				02/09/24 07:26	02/12/24 15:25	1
M2-6:2 FTS	102		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C8 PFOA	70		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C9 PFNA	81		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C8 PFOS	89		50 - 200				02/09/24 07:26	02/12/24 15:25	1
M2-8:2 FTS	85		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C6 PFDA	78		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C7 PFUnA	73		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C2 PFDoA	72		50 - 200				02/09/24 07:26	02/12/24 15:25	1
13C3 PFHxS	90		50 - 200				02/09/24 07:26	02/12/24 15:25	1

**Client Sample ID: Well 2 Pdt 1**

**Lab Sample ID: 320-109224-5**

**Date Collected: 01/29/24 09:15**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1

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# Client Sample Results

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 2 Pdt 1**

**Lab Sample ID: 320-109224-5**

**Date Collected: 01/29/24 09:15**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 15:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C5 PFPeA	89		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C3 PFBS	91		50 - 200				02/09/24 07:26	02/12/24 15:35	1
M2-4:2 FTS	129		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C5 PFHxA	79		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C3 HFPO-DA	72		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C4 PFHpA	85		50 - 200				02/09/24 07:26	02/12/24 15:35	1
M2-6:2 FTS	100		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C8 PFOA	77		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C9 PFNA	85		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C8 PFOS	88		50 - 200				02/09/24 07:26	02/12/24 15:35	1
M2-8:2 FTS	86		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C6 PFDA	77		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C7 PFUnA	78		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C2 PFDoA	79		50 - 200				02/09/24 07:26	02/12/24 15:35	1
13C3 PFHxS	91		50 - 200				02/09/24 07:26	02/12/24 15:35	1

**Client Sample ID: Well 2 FRB 1**

**Lab Sample ID: 320-109224-6**

**Date Collected: 01/29/24 09:17**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 2 FRB 1**

**Lab Sample ID: 320-109224-6**

**Date Collected: 01/29/24 09:17**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 15:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C5 PFPeA	76		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C3 PFBS	95		50 - 200	02/09/24 07:26	02/12/24 15:44	1
M2-4:2 FTS	108		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C5 PFHxA	72		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C3 HFPO-DA	61		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C4 PFHpA	82		50 - 200	02/09/24 07:26	02/12/24 15:44	1
M2-6:2 FTS	96		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C8 PFOA	71		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C9 PFNA	86		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C8 PFOS	87		50 - 200	02/09/24 07:26	02/12/24 15:44	1
M2-8:2 FTS	87		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C6 PFDA	73		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C7 PFUnA	69		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C2 PFDoA	74		50 - 200	02/09/24 07:26	02/12/24 15:44	1
13C3 PFHxS	91		50 - 200	02/09/24 07:26	02/12/24 15:44	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 2 FRB 2**

**Lab Sample ID: 320-109224-7**

**Date Collected: 01/29/24 09:18**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C5 PFPeA	77		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C3 PFBS	98		50 - 200	02/09/24 07:26	02/12/24 16:02	1
M2-4:2 FTS	113		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C5 PFHxA	82		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C3 HFPO-DA	74		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C4 PFHpA	88		50 - 200	02/09/24 07:26	02/12/24 16:02	1
M2-6:2 FTS	100		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C8 PFOA	77		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C9 PFNA	92		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C8 PFOS	91		50 - 200	02/09/24 07:26	02/12/24 16:02	1
M2-8:2 FTS	92		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C6 PFDA	85		50 - 200	02/09/24 07:26	02/12/24 16:02	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 2 FRB 2**

**Lab Sample ID: 320-109224-7**

**Date Collected: 01/29/24 09:18**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C7 PFUnA	89		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C2 PFDoA	92		50 - 200	02/09/24 07:26	02/12/24 16:02	1
13C3 PFHxS	97		50 - 200	02/09/24 07:26	02/12/24 16:02	1

**Client Sample ID: Well 2 Pdt 2**

**Lab Sample ID: 320-109224-8**

**Date Collected: 01/29/24 09:20**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/09/24 07:26	02/12/24 16:11	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	85		50 - 200				02/09/24 07:26	02/12/24 16:11	1
13C5 PFPeA	95		50 - 200				02/09/24 07:26	02/12/24 16:11	1
13C3 PFBS	88		50 - 200				02/09/24 07:26	02/12/24 16:11	1
M2-4:2 FTS	136		50 - 200				02/09/24 07:26	02/12/24 16:11	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 2 Pdt 2**

**Lab Sample ID: 320-109224-8**

**Date Collected: 01/29/24 09:20**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	79		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C3 HFPO-DA	77		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C4 PFHpA	86		50 - 200	02/09/24 07:26	02/12/24 16:11	1
M2-6:2 FTS	103		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C8 PFOA	69		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C9 PFNA	73		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C8 PFOS	89		50 - 200	02/09/24 07:26	02/12/24 16:11	1
M2-8:2 FTS	91		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C6 PFDA	64		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C7 PFUnA	60		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C2 PFDoA	63		50 - 200	02/09/24 07:26	02/12/24 16:11	1
13C3 PFHxS	90		50 - 200	02/09/24 07:26	02/12/24 16:11	1

**Client Sample ID: Well 3 FRB 1**

**Lab Sample ID: 320-109224-9**

**Date Collected: 01/29/24 09:50**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1

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# Client Sample Results

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 3 FRB 1**

**Lab Sample ID: 320-109224-9**

Date Collected: 01/29/24 09:50

Matrix: Water

Date Received: 01/30/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C5 PFPeA	78		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C3 PFBS	90		50 - 200				02/09/24 07:26	02/12/24 16:20	1
M2-4:2 FTS	101		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C5 PFHxA	74		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C3 HFPO-DA	69		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C4 PFHpA	81		50 - 200				02/09/24 07:26	02/12/24 16:20	1
M2-6:2 FTS	99		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C8 PFOA	72		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C9 PFNA	83		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C8 PFOS	89		50 - 200				02/09/24 07:26	02/12/24 16:20	1
M2-8:2 FTS	89		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C6 PFDA	78		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C7 PFUnA	80		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C2 PFDoA	83		50 - 200				02/09/24 07:26	02/12/24 16:20	1
13C3 PFHxS	94		50 - 200				02/09/24 07:26	02/12/24 16:20	1

**Client Sample ID: Well 3 FRB 2**

**Lab Sample ID: 320-109224-10**

Date Collected: 01/29/24 09:51

Matrix: Water

Date Received: 01/30/24 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 3 FRB 2**

**Lab Sample ID: 320-109224-10**

**Date Collected: 01/29/24 09:51**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/09/24 07:26	02/12/24 16:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C5 PFPeA	84		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C3 PFBS	98		50 - 200				02/09/24 07:26	02/12/24 16:29	1
M2-4:2 FTS	109		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C5 PFHxA	82		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C3 HFPO-DA	80		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C4 PFHpA	92		50 - 200				02/09/24 07:26	02/12/24 16:29	1
M2-6:2 FTS	104		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C8 PFOA	81		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C9 PFNA	92		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C8 PFOS	93		50 - 200				02/09/24 07:26	02/12/24 16:29	1
M2-8:2 FTS	94		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C6 PFDA	86		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C7 PFUnA	88		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C2 PFDoA	87		50 - 200				02/09/24 07:26	02/12/24 16:29	1
13C3 PFHxS	99		50 - 200				02/09/24 07:26	02/12/24 16:29	1

**Client Sample ID: Well 3 Pdt 1**

**Lab Sample ID: 320-109224-11**

**Date Collected: 01/29/24 09:55**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 3 Pdt 1**

**Lab Sample ID: 320-109224-11**

**Date Collected: 01/29/24 09:55**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/03/24 05:08	02/05/24 19:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C5 PFPeA	85		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C3 PFBS	97		50 - 200	02/03/24 05:08	02/05/24 19:48	1
M2-4:2 FTS	116		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C5 PFHxA	84		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C3 HFPO-DA	77		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C4 PFHpA	89		50 - 200	02/03/24 05:08	02/05/24 19:48	1
M2-6:2 FTS	147		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C8 PFOA	86		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C9 PFNA	91		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C8 PFOS	88		50 - 200	02/03/24 05:08	02/05/24 19:48	1
M2-8:2 FTS	92		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C6 PFDA	86		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C7 PFUnA	85		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C2 PFDoA	81		50 - 200	02/03/24 05:08	02/05/24 19:48	1
13C3 PFHxS	89		50 - 200	02/03/24 05:08	02/05/24 19:48	1

**Client Sample ID: Well 3 Pdt 2**

**Lab Sample ID: 320-109224-12**

**Date Collected: 01/29/24 09:58**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1

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# Client Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

**Client Sample ID: Well 3 Pdt 2**

**Lab Sample ID: 320-109224-12**

**Date Collected: 01/29/24 09:58**

**Matrix: Water**

**Date Received: 01/30/24 09:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorobutanoic acid (PFBA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		02/03/24 05:08	02/05/24 19:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C5 PFPeA	82		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C3 PFBS	97		50 - 200	02/03/24 05:08	02/05/24 19:57	1
M2-4:2 FTS	110		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C5 PFHxA	82		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C3 HFPO-DA	74		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C4 PFHpA	87		50 - 200	02/03/24 05:08	02/05/24 19:57	1
M2-6:2 FTS	145		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C8 PFOA	87		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C9 PFNA	90		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C8 PFOS	87		50 - 200	02/03/24 05:08	02/05/24 19:57	1
M2-8:2 FTS	93		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C6 PFDA	73		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C7 PFUnA	71		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C2 PFDoA	62		50 - 200	02/03/24 05:08	02/05/24 19:57	1
13C3 PFHxS	90		50 - 200	02/03/24 05:08	02/05/24 19:57	1

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# Isotope Dilution Summary

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	M242FTS (50-200)	13C5PHA (50-200)	HFPODA (50-200)	C4PFHA (50-200)	M262FTS (50-200)
320-109224-1	Well 1 FRB 1	82	86	94	124	80	74	89	98
320-109224-2	Well 1 Pdt 1	79	77	101	103	81	74	93	96
320-109224-3	Well 1 FRB 2	81	75	90	95	79	71	88	92
320-109224-4	Well 1 Pdt 2	81	85	93	130	72	66	77	102
320-109224-5	Well 2 Pdt 1	84	89	91	129	79	72	85	100
320-109224-6	Well 2 FRB 1	75	76	95	108	72	61	82	96
320-109224-7	Well 2 FRB 2	81	77	98	113	82	74	88	100
320-109224-8	Well 2 Pdt 2	85	95	88	136	79	77	86	103
320-109224-9	Well 3 FRB 1	76	78	90	101	74	69	81	99
320-109224-10	Well 3 FRB 2	81	84	98	109	82	80	92	104
320-109224-11	Well 3 Pdt 1	87	85	97	116	84	77	89	147
320-109224-12	Well 3 Pdt 2	86	82	97	110	82	74	87	145
LCS 320-738242/3-A	Lab Control Sample	104	94	99	97	94	95	103	154
LCS 320-739358/3-A	Lab Control Sample	76	69	94	93	77	76	93	94
LCSD 320-738242/4-A	Lab Control Sample Dup	99	90	96	97	91	92	99	152
LCSD 320-739358/4-A	Lab Control Sample Dup	75	75	97	102	77	77	90	94
LLCS 320-738242/2-A	Lab Control Sample	100	92	98	112	96	91	101	158
LLCS 320-739358/2-A	Lab Control Sample	85	88	97	107	83	76	95	96
MB 320-738242/1-A	Method Blank	102	91	98	110	97	92	101	163
MB 320-739358/1-A	Method Blank	85	86	92	103	87	79	101	90

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		C8PFOA (50-200)	C9PFNA (50-200)	C8PFOS (50-200)	M282FTS (50-200)	C6PFDA (50-200)	13C7PUA (50-200)	PFDaA (50-200)	C3PFHS (50-200)
320-109224-1	Well 1 FRB 1	72	76	94	85	69	65	72	93
320-109224-2	Well 1 Pdt 1	76	83	93	86	81	77	84	96
320-109224-3	Well 1 FRB 2	79	87	88	81	78	88	90	91
320-109224-4	Well 1 Pdt 2	70	81	89	85	78	73	72	90
320-109224-5	Well 2 Pdt 1	77	85	88	86	77	78	79	91
320-109224-6	Well 2 FRB 1	71	86	87	87	73	69	74	91
320-109224-7	Well 2 FRB 2	77	92	91	92	85	89	92	97
320-109224-8	Well 2 Pdt 2	69	73	89	91	64	60	63	90
320-109224-9	Well 3 FRB 1	72	83	89	89	78	80	83	94
320-109224-10	Well 3 FRB 2	81	92	93	94	86	88	87	99
320-109224-11	Well 3 Pdt 1	86	91	88	92	86	85	81	89
320-109224-12	Well 3 Pdt 2	87	90	87	93	73	71	62	90
LCS 320-738242/3-A	Lab Control Sample	104	99	94	113	99	103	113	97
LCS 320-739358/3-A	Lab Control Sample	82	84	92	85	76	75	88	98
LCSD 320-738242/4-A	Lab Control Sample Dup	104	105	90	107	101	104	105	92
LCSD 320-739358/4-A	Lab Control Sample Dup	87	88	87	82	88	85	87	94
LLCS 320-738242/2-A	Lab Control Sample	99	101	89	96	97	98	106	92
LLCS 320-739358/2-A	Lab Control Sample	78	88	91	81	84	79	81	98
MB 320-738242/1-A	Method Blank	100	99	91	107	89	98	111	89
MB 320-739358/1-A	Method Blank	83	94	94	82	88	91	93	93

### Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- C3PFBS = 13C3 PFBS
- M242FTS = M2-4:2 FTS
- 13C5PHA = 13C5 PFHxA

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# Isotope Dilution Summary

Client: Parkhill

Job ID: 320-109224-1

Project/Site: PFAS, Drinking Water, Town of Anthony

HFPODA = 13C3 HFPO-DA  
C4PFHA = 13C4 PFHpA  
M262FTS = M2-6:2 FTS  
C8PFOA = 13C8 PFOA  
C9PFNA = 13C9 PFNA  
C8PFOS = 13C8 PFOS  
M282FTS = M2-8:2 FTS  
C6PFDA = 13C6 PFDA  
13C7PUA = 13C7 PFUnA  
PFDoA = 13C2 PFDoA  
C3PFHS = 13C3 PFHxS

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: MB 320-738242/1-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		02/03/24 05:07	02/05/24 19:12	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C5 PFPeA	91		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C3 PFBS	98		50 - 200	02/03/24 05:07	02/05/24 19:12	1
M2-4:2 FTS	110		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C5 PFHxA	97		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C3 HFPO-DA	92		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C4 PFHpA	101		50 - 200	02/03/24 05:07	02/05/24 19:12	1
M2-6:2 FTS	163		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C8 PFOA	100		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C9 PFNA	99		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C8 PFOS	91		50 - 200	02/03/24 05:07	02/05/24 19:12	1
M2-8:2 FTS	107		50 - 200	02/03/24 05:07	02/05/24 19:12	1

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: MB 320-738242/1-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C6 PFDA	89		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C7 PFUnA	98		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C2 PFDoA	111		50 - 200	02/03/24 05:07	02/05/24 19:12	1
13C3 PFHxS	89		50 - 200	02/03/24 05:07	02/05/24 19:12	1

**Lab Sample ID: LCS 320-738242/3-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	264	281		ng/L		106	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	262	279		ng/L		107	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	265	272		ng/L		103	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	280	298		ng/L		106	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	280	357		ng/L		127	70 - 130
Perfluorobutanoic acid (PFBA)	280	273		ng/L		97	70 - 130
Perfluorobutanesulfonic acid (PFBS)	249	238		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	269	275		ng/L		102	70 - 130
Perfluorodecanoic acid (PFDA)	280	290		ng/L		103	70 - 130
Perfluorododecanoic acid (PFDoA)	280	279		ng/L		99	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	250	242		ng/L		97	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	267	300		ng/L		112	70 - 130
Perfluoroheptanoic acid (PFHpA)	280	274		ng/L		98	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	263	282		ng/L		107	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	255	272		ng/L		107	70 - 130
Perfluorohexanoic acid (PFHxA)	280	301		ng/L		108	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	280	267		ng/L		95	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	280	285		ng/L		102	70 - 130
Perfluorononanoic acid (PFNA)	280	300		ng/L		107	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	267	273		ng/L		102	70 - 130
Perfluorooctanesulfonic acid (PFOS)	260	280		ng/L		108	70 - 130
Perfluorooctanoic acid (PFOA)	280	308		ng/L		110	70 - 130
Perfluoropentanoic acid (PFPeA)	280	305		ng/L		109	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	263	260		ng/L		99	70 - 130

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LCS 320-738242/3-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	280	293		ng/L		105	70 - 130
<b>LCS LCS</b>							
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				
13C4 PFBA	104		50 - 200				
13C5 PFPeA	94		50 - 200				
13C3 PFBS	99		50 - 200				
M2-4:2 FTS	97		50 - 200				
13C5 PFHxA	94		50 - 200				
13C3 HFPO-DA	95		50 - 200				
13C4 PFHpA	103		50 - 200				
M2-6:2 FTS	154		50 - 200				
13C8 PFOA	104		50 - 200				
13C9 PFNA	99		50 - 200				
13C8 PFOS	94		50 - 200				
M2-8:2 FTS	113		50 - 200				
13C6 PFDA	99		50 - 200				
13C7 PFUnA	103		50 - 200				
13C2 PFDoA	113		50 - 200				
13C3 PFHxS	97		50 - 200				

**Lab Sample ID: LCSD 320-738242/4-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	264	275		ng/L		104	70 - 130	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	262	274		ng/L		105	70 - 130	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	265	269		ng/L		102	70 - 130	1	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	280	299		ng/L		107	70 - 130	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	280	339		ng/L		121	70 - 130	5	30
Perfluorobutanoic acid (PFBA)	280	271		ng/L		97	70 - 130	1	30
Perfluorobutanesulfonic acid (PFBS)	249	232		ng/L		93	70 - 130	3	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	269	276		ng/L		103	70 - 130	0	30
Perfluorodecanoic acid (PFDA)	280	291		ng/L		104	70 - 130	0	30
Perfluorododecanoic acid (PFDoA)	280	287		ng/L		103	70 - 130	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	250	233		ng/L		93	70 - 130	4	30
Perfluoroheptanesulfonic acid (PFHpS)	267	297		ng/L		111	70 - 130	1	30
Perfluoroheptanoic acid (PFHpA)	280	286		ng/L		102	70 - 130	4	30

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LCSD 320-738242/4-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	263	279		ng/L		106	70 - 130	1	30
Perfluorohexanesulfonic acid (PFHxS)	255	267		ng/L		104	70 - 130	2	30
Perfluorohexanoic acid (PFHxA)	280	304		ng/L		109	70 - 130	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	280	268		ng/L		96	70 - 130	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	280	286		ng/L		102	70 - 130	0	30
Perfluorononanoic acid (PFNA)	280	270		ng/L		96	70 - 130	10	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	267	272		ng/L		102	70 - 130	0	30
Perfluorooctanesulfonic acid (PFOS)	260	285		ng/L		109	70 - 130	2	30
Perfluorooctanoic acid (PFOA)	280	296		ng/L		106	70 - 130	4	30
Perfluoropentanoic acid (PFPeA)	280	301		ng/L		107	70 - 130	1	30
Perfluoropentanesulfonic acid (PFPeS)	263	262		ng/L		99	70 - 130	0	30
Perfluoroundecanoic acid (PFUnA)	280	283		ng/L		101	70 - 130	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	99		50 - 200
13C5 PFPeA	90		50 - 200
13C3 PFBS	96		50 - 200
M2-4:2 FTS	97		50 - 200
13C5 PFHxA	91		50 - 200
13C3 HFPO-DA	92		50 - 200
13C4 PFHpA	99		50 - 200
M2-6:2 FTS	152		50 - 200
13C8 PFOA	104		50 - 200
13C9 PFNA	105		50 - 200
13C8 PFOS	90		50 - 200
M2-8:2 FTS	107		50 - 200
13C6 PFDA	101		50 - 200
13C7 PFUnA	104		50 - 200
13C2 PFDoA	105		50 - 200
13C3 PFHxS	92		50 - 200

**Lab Sample ID: LLCS 320-738242/2-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.61		ng/L		96	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.49		ng/L		93	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	4.19		ng/L		111	50 - 150

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LLCS 320-738242/2-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	4.00	4.26		ng/L		107	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.44		ng/L		86	50 - 150
Perfluorobutanoic acid (PFBA)	4.00	4.37		ng/L		109	50 - 150
Perfluorobutanesulfonic acid (PFBS)	3.55	3.86		ng/L		109	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.84	4.42		ng/L		115	50 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.18		ng/L		104	50 - 150
Perfluorododecanoic acid (PFDoA)	4.00	4.09		ng/L		102	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.62		ng/L		101	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.41		ng/L		116	50 - 150
Perfluoroheptanoic acid (PFHpA)	4.00	3.81		ng/L		95	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.75	4.43		ng/L		118	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.86		ng/L		106	50 - 150
Perfluorohexanoic acid (PFHxA)	4.00	4.23		ng/L		106	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.19		ng/L		105	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.58		ng/L		114	50 - 150
Perfluorononanoic acid (PFNA)	4.00	4.05		ng/L		101	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.81	4.31		ng/L		113	50 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.06		ng/L		109	50 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.38		ng/L		109	50 - 150
Perfluoropentanoic acid (PFPeA)	4.00	4.72		ng/L		118	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.15		ng/L		110	50 - 150
Perfluoroundecanoic acid (PFUnA)	4.00	3.87		ng/L		97	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	100		50 - 200
13C5 PFPeA	92		50 - 200
13C3 PFBS	98		50 - 200
M2-4:2 FTS	112		50 - 200
13C5 PFHxA	96		50 - 200
13C3 HFPO-DA	91		50 - 200
13C4 PFHpA	101		50 - 200
M2-6:2 FTS	158		50 - 200
13C8 PFOA	99		50 - 200
13C9 PFNA	101		50 - 200
13C8 PFOS	89		50 - 200
M2-8:2 FTS	96		50 - 200
13C6 PFDA	97		50 - 200

# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LLCS 320-738242/2-A**  
**Matrix: Water**  
**Analysis Batch: 738505**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 738242**

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C7 PFUnA	98		50 - 200
13C2 PFDoA	106		50 - 200
13C3 PFHxS	92		50 - 200

**Lab Sample ID: MB 320-739358/1-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
11-Chloroeicosfluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		02/09/24 07:26	02/12/24 14:22	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	85		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C5 PFPeA	86		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C3 PFBS	92		50 - 200	02/09/24 07:26	02/12/24 14:22	1

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: MB 320-739358/1-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
M2-4:2 FTS	103		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C5 PFHxA	87		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C3 HFPO-DA	79		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C4 PFHpA	101		50 - 200	02/09/24 07:26	02/12/24 14:22	1
M2-6:2 FTS	90		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C8 PFOA	83		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C9 PFNA	94		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C8 PFOS	94		50 - 200	02/09/24 07:26	02/12/24 14:22	1
M2-8:2 FTS	82		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C6 PFDA	88		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C7 PFUnA	91		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C2 PFDoA	93		50 - 200	02/09/24 07:26	02/12/24 14:22	1
13C3 PFHxS	93		50 - 200	02/09/24 07:26	02/12/24 14:22	1

**Lab Sample ID: LCS 320-739358/3-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	132	144		ng/L		109	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	131	140		ng/L		107	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	132	137		ng/L		103	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	140	153		ng/L		109	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	140	138		ng/L		98	70 - 130
Perfluorobutanoic acid (PFBA)	140	148		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	124	124		ng/L		99	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	134	139		ng/L		103	70 - 130
Perfluorodecanoic acid (PFDA)	140	164		ng/L		117	70 - 130
Perfluorododecanoic acid (PFDoA)	140	148		ng/L		106	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	125	127		ng/L		102	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	134	151		ng/L		113	70 - 130
Perfluoroheptanoic acid (PFHpA)	140	144		ng/L		103	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	131	145		ng/L		110	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	128	137		ng/L		107	70 - 130
Perfluorohexanoic acid (PFHxA)	140	159		ng/L		113	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	140	148		ng/L		106	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	140	159		ng/L		114	70 - 130

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LCS 320-739358/3-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	140	154		ng/L		110	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	133	139		ng/L		104	70 - 130
Perfluorooctanesulfonic acid (PFOS)	130	143		ng/L		110	70 - 130
Perfluorooctanoic acid (PFOA)	140	148		ng/L		106	70 - 130
Perfluoropentanoic acid (PFPeA)	140	162		ng/L		116	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	132	130		ng/L		99	70 - 130
Perfluoroundecanoic acid (PFUnA)	140	152		ng/L		108	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	76		50 - 200
13C5 PFPeA	69		50 - 200
13C3 PFBS	94		50 - 200
M2-4:2 FTS	93		50 - 200
13C5 PFHxA	77		50 - 200
13C3 HFPO-DA	76		50 - 200
13C4 PFHpA	93		50 - 200
M2-6:2 FTS	94		50 - 200
13C8 PFOA	82		50 - 200
13C9 PFNA	84		50 - 200
13C8 PFOS	92		50 - 200
M2-8:2 FTS	85		50 - 200
13C6 PFDA	76		50 - 200
13C7 PFUnA	75		50 - 200
13C2 PFDoA	88		50 - 200
13C3 PFHxS	98		50 - 200

**Lab Sample ID: LCSD 320-739358/4-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	132	154		ng/L		117	70 - 130	7	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	131	153		ng/L		117	70 - 130	8	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	132	140		ng/L		106	70 - 130	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	140	151		ng/L		108	70 - 130	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	140	139		ng/L		99	70 - 130	1	30
Perfluorobutanoic acid (PFBA)	140	151		ng/L		108	70 - 130	2	30
Perfluorobutanesulfonic acid (PFBS)	124	125		ng/L		101	70 - 130	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	134	146		ng/L		109	70 - 130	5	30

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LCSD 320-739358/4-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanoic acid (PFDA)	140	152		ng/L		109	70 - 130	7	30
Perfluorododecanoic acid (PFDoA)	140	157		ng/L		112	70 - 130	6	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	125	128		ng/L		103	70 - 130	1	30
Perfluoroheptanesulfonic acid (PFHpS)	134	160		ng/L		120	70 - 130	6	30
Perfluoroheptanoic acid (PFHpA)	140	149		ng/L		107	70 - 130	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	131	148		ng/L		113	70 - 130	2	30
Perfluorohexanesulfonic acid (PFHxS)	128	146		ng/L		114	70 - 130	6	30
Perfluorohexanoic acid (PFHxA)	140	162		ng/L		116	70 - 130	2	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	140	153		ng/L		109	70 - 130	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	140	148		ng/L		106	70 - 130	7	30
Perfluorononanoic acid (PFNA)	140	167		ng/L		119	70 - 130	8	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	133	145		ng/L		109	70 - 130	4	30
Perfluorooctanesulfonic acid (PFOS)	130	152		ng/L		117	70 - 130	6	30
Perfluorooctanoic acid (PFOA)	140	147		ng/L		105	70 - 130	0	30
Perfluoropentanoic acid (PFPeA)	140	150		ng/L		107	70 - 130	8	30
Perfluoropentanesulfonic acid (PFPeS)	132	137		ng/L		104	70 - 130	5	30
Perfluoroundecanoic acid (PFUnA)	140	158		ng/L		113	70 - 130	4	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	75		50 - 200
13C5 PFPeA	75		50 - 200
13C3 PFBS	97		50 - 200
M2-4:2 FTS	102		50 - 200
13C5 PFHxA	77		50 - 200
13C3 HFPO-DA	77		50 - 200
13C4 PFHpA	90		50 - 200
M2-6:2 FTS	94		50 - 200
13C8 PFOA	87		50 - 200
13C9 PFNA	88		50 - 200
13C8 PFOS	87		50 - 200
M2-8:2 FTS	82		50 - 200
13C6 PFDA	88		50 - 200
13C7 PFUnA	85		50 - 200
13C2 PFDoA	87		50 - 200
13C3 PFHxS	94		50 - 200

# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Lab Sample ID: LLCS 320-739358/2-A**  
**Matrix: Water**  
**Analysis Batch: 739929**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 739358**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.72		ng/L		98	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.69		ng/L		99	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.72		ng/L		98	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	4.00	3.99		ng/L		100	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.99		ng/L		100	50 - 150
Perfluorobutanoic acid (PFBA)	4.00	4.35		ng/L		109	50 - 150
Perfluorobutanesulfonic acid (PFBS)	3.55	4.03		ng/L		113	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.84	4.06		ng/L		106	50 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.87		ng/L		97	50 - 150
Perfluorododecanoic acid (PFDoA)	4.00	4.05		ng/L		101	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.81		ng/L		107	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.25		ng/L		111	50 - 150
Perfluoroheptanoic acid (PFHpA)	4.00	3.74		ng/L		94	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.75	4.20		ng/L		112	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.82		ng/L		105	50 - 150
Perfluorohexanoic acid (PFHxA)	4.00	3.99		ng/L		100	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.36		ng/L		109	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.11		ng/L		103	50 - 150
Perfluorononanoic acid (PFNA)	4.00	4.33		ng/L		108	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.81	3.90		ng/L		102	50 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.84		ng/L		103	50 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.62		ng/L		116	50 - 150
Perfluoropentanoic acid (PFPeA)	4.00	4.20		ng/L		105	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.16		ng/L		111	50 - 150
Perfluoroundecanoic acid (PFUnA)	4.00	4.28		ng/L		107	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	85		50 - 200
13C5 PFPeA	88		50 - 200
13C3 PFBS	97		50 - 200
M2-4:2 FTS	107		50 - 200
13C5 PFHxA	83		50 - 200
13C3 HFPO-DA	76		50 - 200

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# QC Sample Results

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

Lab Sample ID: LLCS 320-739358/2-A  
 Matrix: Water  
 Analysis Batch: 739929

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 739358

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	95		50 - 200
M2-6:2 FTS	96		50 - 200
13C8 PFOA	78		50 - 200
13C9 PFNA	88		50 - 200
13C8 PFOS	91		50 - 200
M2-8:2 FTS	81		50 - 200
13C6 PFDA	84		50 - 200
13C7 PFUnA	79		50 - 200
13C2 PFDoA	81		50 - 200
13C3 PFHxS	98		50 - 200

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# QC Association Summary

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

## LCMS

### Prep Batch: 738242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109224-11	Well 3 Pdt 1	Total/NA	Water	533	
320-109224-12	Well 3 Pdt 2	Total/NA	Water	533	
MB 320-738242/1-A	Method Blank	Total/NA	Water	533	
LCS 320-738242/3-A	Lab Control Sample	Total/NA	Water	533	
LCSD 320-738242/4-A	Lab Control Sample Dup	Total/NA	Water	533	
LLCS 320-738242/2-A	Lab Control Sample	Total/NA	Water	533	

### Analysis Batch: 738505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109224-11	Well 3 Pdt 1	Total/NA	Water	533	738242
320-109224-12	Well 3 Pdt 2	Total/NA	Water	533	738242
MB 320-738242/1-A	Method Blank	Total/NA	Water	533	738242
LCS 320-738242/3-A	Lab Control Sample	Total/NA	Water	533	738242
LCSD 320-738242/4-A	Lab Control Sample Dup	Total/NA	Water	533	738242
LLCS 320-738242/2-A	Lab Control Sample	Total/NA	Water	533	738242

### Prep Batch: 739358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109224-1	Well 1 FRB 1	Total/NA	Water	533	
320-109224-2	Well 1 Pdt 1	Total/NA	Water	533	
320-109224-3	Well 1 FRB 2	Total/NA	Water	533	
320-109224-4	Well 1 Pdt 2	Total/NA	Water	533	
320-109224-5	Well 2 Pdt 1	Total/NA	Water	533	
320-109224-6	Well 2 FRB 1	Total/NA	Water	533	
320-109224-7	Well 2 FRB 2	Total/NA	Water	533	
320-109224-8	Well 2 Pdt 2	Total/NA	Water	533	
320-109224-9	Well 3 FRB 1	Total/NA	Water	533	
320-109224-10	Well 3 FRB 2	Total/NA	Water	533	
MB 320-739358/1-A	Method Blank	Total/NA	Water	533	
LCS 320-739358/3-A	Lab Control Sample	Total/NA	Water	533	
LCSD 320-739358/4-A	Lab Control Sample Dup	Total/NA	Water	533	
LLCS 320-739358/2-A	Lab Control Sample	Total/NA	Water	533	

### Analysis Batch: 739929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-109224-1	Well 1 FRB 1	Total/NA	Water	533	739358
320-109224-2	Well 1 Pdt 1	Total/NA	Water	533	739358
320-109224-3	Well 1 FRB 2	Total/NA	Water	533	739358
320-109224-4	Well 1 Pdt 2	Total/NA	Water	533	739358
320-109224-5	Well 2 Pdt 1	Total/NA	Water	533	739358
320-109224-6	Well 2 FRB 1	Total/NA	Water	533	739358
320-109224-7	Well 2 FRB 2	Total/NA	Water	533	739358
320-109224-8	Well 2 Pdt 2	Total/NA	Water	533	739358
320-109224-9	Well 3 FRB 1	Total/NA	Water	533	739358
320-109224-10	Well 3 FRB 2	Total/NA	Water	533	739358
MB 320-739358/1-A	Method Blank	Total/NA	Water	533	739358
LCS 320-739358/3-A	Lab Control Sample	Total/NA	Water	533	739358
LCSD 320-739358/4-A	Lab Control Sample Dup	Total/NA	Water	533	739358
LLCS 320-739358/2-A	Lab Control Sample	Total/NA	Water	533	739358

# Lab Chronicle

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

## Client Sample ID: Well 1 FRB 1

Lab Sample ID: 320-109224-1

Date Collected: 01/29/24 09:00

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			250.7 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 14:58	Y1S	EET SAC

## Client Sample ID: Well 1 Pdt 1

Lab Sample ID: 320-109224-2

Date Collected: 01/29/24 09:05

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			266.3 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 15:07	Y1S	EET SAC

## Client Sample ID: Well 1 FRB 2

Lab Sample ID: 320-109224-3

Date Collected: 01/29/24 09:32

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			257.9 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 15:16	Y1S	EET SAC

## Client Sample ID: Well 1 Pdt 2

Lab Sample ID: 320-109224-4

Date Collected: 01/29/24 09:35

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			266.3 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 15:25	Y1S	EET SAC

## Client Sample ID: Well 2 Pdt 1

Lab Sample ID: 320-109224-5

Date Collected: 01/29/24 09:15

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			250.9 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 15:35	Y1S	EET SAC

## Client Sample ID: Well 2 FRB 1

Lab Sample ID: 320-109224-6

Date Collected: 01/29/24 09:17

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			270.2 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 15:44	Y1S	EET SAC

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# Lab Chronicle

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

## Client Sample ID: Well 2 FRB 2

Lab Sample ID: 320-109224-7

Date Collected: 01/29/24 09:18

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			270.3 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 16:02	Y1S	EET SAC

## Client Sample ID: Well 2 Pdt 2

Lab Sample ID: 320-109224-8

Date Collected: 01/29/24 09:20

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			259.4 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 16:11	Y1S	EET SAC

## Client Sample ID: Well 3 FRB 1

Lab Sample ID: 320-109224-9

Date Collected: 01/29/24 09:50

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			284.8 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 16:20	Y1S	EET SAC

## Client Sample ID: Well 3 FRB 2

Lab Sample ID: 320-109224-10

Date Collected: 01/29/24 09:51

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			277.6 mL	1.0 mL	739358	02/09/24 07:26	C1A	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	739929	02/12/24 16:29	Y1S	EET SAC

## Client Sample ID: Well 3 Pdt 1

Lab Sample ID: 320-109224-11

Date Collected: 01/29/24 09:55

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			284.1 mL	1.0 mL	738242	02/03/24 05:08	H1K	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	738505	02/05/24 19:48	SS	EET SAC

## Client Sample ID: Well 3 Pdt 2

Lab Sample ID: 320-109224-12

Date Collected: 01/29/24 09:58

Matrix: Water

Date Received: 01/30/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	533			259.1 mL	1.0 mL	738242	02/03/24 05:08	H1K	EET SAC
Total/NA	Analysis	533		1	1 mL	1 mL	738505	02/05/24 19:57	SS	EET SAC

### Laboratory References:

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

Eurofins Sacramento

# Accreditation/Certification Summary

Client: Parkhill  
 Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

## Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704399-23-17	05-31-24

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
533	533	Water	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)
533	533	Water	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)
533	533	Water	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
533	533	Water	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
533	533	Water	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
533	533	Water	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)
533	533	Water	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
533	533	Water	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
533	533	Water	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)
533	533	Water	Perfluoro-3-methoxypropanoic acid (PFMPA)
533	533	Water	Perfluoro-4-methoxybutanoic acid (PFMBA)
533	533	Water	Perfluorobutanesulfonic acid (PFBS)
533	533	Water	Perfluorobutanoic acid (PFBA)
533	533	Water	Perfluorodecanoic acid (PFDA)
533	533	Water	Perfluorododecanoic acid (PFDoA)
533	533	Water	Perfluoroheptanesulfonic acid (PFHpS)
533	533	Water	Perfluoroheptanoic acid (PFHpA)
533	533	Water	Perfluorohexanesulfonic acid (PFHxS)
533	533	Water	Perfluorohexanoic acid (PFHxA)
533	533	Water	Perfluorononanoic acid (PFNA)
533	533	Water	Perfluorooctanesulfonic acid (PFOS)
533	533	Water	Perfluorooctanoic acid (PFOA)
533	533	Water	Perfluoropentanesulfonic acid (PFPeS)
533	533	Water	Perfluoropentanoic acid (PFPeA)
533	533	Water	Perfluoroundecanoic acid (PFUnA)



# Method Summary

Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

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

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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



# Sample Summary

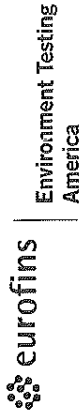
Client: Parkhill  
Project/Site: PFAS, Drinking Water, Town of Anthony

Job ID: 320-109224-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-109224-1	Well 1 FRB 1	Water	01/29/24 09:00	01/30/24 09:00
320-109224-2	Well 1 Pdt 1	Water	01/29/24 09:05	01/30/24 09:00
320-109224-3	Well 1 FRB 2	Water	01/29/24 09:32	01/30/24 09:00
320-109224-4	Well 1 Pdt 2	Water	01/29/24 09:35	01/30/24 09:00
320-109224-5	Well 2 Pdt 1	Water	01/29/24 09:15	01/30/24 09:00
320-109224-6	Well 2 FRB 1	Water	01/29/24 09:17	01/30/24 09:00
320-109224-7	Well 2 FRB 2	Water	01/29/24 09:18	01/30/24 09:00
320-109224-8	Well 2 Pdt 2	Water	01/29/24 09:20	01/30/24 09:00
320-109224-9	Well 3 FRB 1	Water	01/29/24 09:50	01/30/24 09:00
320-109224-10	Well 3 FRB 2	Water	01/29/24 09:51	01/30/24 09:00
320-109224-11	Well 3 Pdt 1	Water	01/29/24 09:55	01/30/24 09:00
320-109224-12	Well 3 Pdt 2	Water	01/29/24 09:58	01/30/24 09:00

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

# Chain of Custody Record 721027



TAL-8210

Address: \_\_\_\_\_

Regulatory Program  DW  NPDES  RCRA  Other

Client Contact		Project Manager		Date	
Company Name: <u>Kyle Helzel</u>		Tel/Email		Carrier	
Address: <u>501 W San Antonio Ave</u>		Analysis Turnaround Time		COC No	
City/State/Zip: <u>Fl. Pasco TX, 77412</u>		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS		Sampler	
Phone: <u>915-491-2870</u>		TAT if different from Below		For Lab Use Only	
Fax:		<input checked="" type="checkbox"/> 2 weeks		Walk-in Client	
Project Name: <u>PFAS - Town of Anthony</u>		<input type="checkbox"/> 1 week		Lab Sampling	
Site: <u>Anthony, TX</u>		<input type="checkbox"/> 2 days		Job / SDG No.	
P O #		<input type="checkbox"/> 1 day		Sample Specific Notes	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Lab Contact	Performs MS/MSD (Y/N)	Carrier
Well 1 FRB1	9 20	1129	G	W			EPA Nichols		
Well 1 Pdt 1	9 25	1129	G	W					
Well 1 FRB2	9 32	1129	G	W					
Well 1 Pdt 2	9 35	1129	G	W					
Well 2 Pdt 1	9 15	1129	G	W					
Well 2 FRB1	9 17	1129	G	W					
Well 2 <del>FRB2</del> FRB2	9 18	1129	G	W					
Well 2 Pdt 2	9 20	1129	G	W					
Well 3 FRB1	9 50	1129	G	W					
Well 3 FRB2	9 57	1129	G	W					
Well 3 Pdt 1	9 55	1129	G	W					
Well 3 Pdt 2	9 58	1129	G	W					



Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH 6=Other NH4OAc

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

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 & Comments

Custody Seal No: 7477091

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: 1/30/24 0900

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received in Laboratory by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Cooler Temp. (°C) Obs'd: 5.9 Corrd: 5.9 Therm ID No: 112

Company: URS





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking #. 2203 5204 5963

Loc 320  
**109224**

Job. \_\_\_\_\_

SO (PO) / FO / SAT / 2-Day / Ground / UPS / CDO / Courier  
GSL / OnTrac / Goldstreak / USPS / Other \_\_\_\_\_

Use this form to record Sample Custody Seal Cooler Custody Seal Temperature & corrected Temperature & other observations.  
File in the job folder with the COC

Therm ID <u>2/2</u> Corr Factor (+/-) _____ °C	Notes _____
Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____	<u>All sample containers have no date.</u>
Cooler Custody Seal <u>2477097</u>	
Cooler ID _____	<u>Sample 8 &amp; 5, container ID with Aug Prod. COC has ID with PLT</u>
Temp Observed <u>5.9</u> °C Corrected <u>5.9</u> °C	
From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>	
<b>Opening/Processing The Shipment</b> Yes No NA	
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Initials. <u>MM</u> Date <u>1/30/24</u>	
<b>Unpacking/Labeling The Samples</b> Yes No NA	
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
COC is complete w/o discrepancies <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Sample custody seal? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Is the Field Sampler's name on COC? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Samples w/o discrepancies? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Zero headspace?* <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Alkalinity has no headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Perchlorate has headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
(Methods 314 331 6850)	
Multiphasic samples are not present? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Trizma Lot #(s) _____	
Ammonium Acetate Lot #(s) <u>22590B</u>	
<b>Login Completion</b> Yes No NA	
Receipt Temperature on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
NCM Filed? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Samples received within hold time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Log Release checked in TALS? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Initials. <u>MM</u> Date. <u>1/30/24</u>	

\*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

# Chain of Custody Record 721027



Environment Testing America

TAL-8210

Address: \_\_\_\_\_

Regulatory Program  DW  NPDES  RCRA  Other

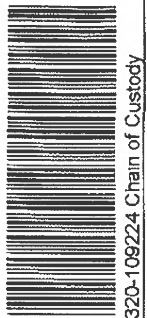
Client Contact  
 Company Name: Kyle Helzel  
 Address: 50160 San Antonio Ave  
 City/State/Zip: El Paso TX, 79912  
 Phone: 915-491-2870  
 Fax: \_\_\_\_\_

Project Name: PFAS - Town of Anthony  
 Site: Anthony, TX  
 P O # \_\_\_\_\_

Project Manager  
 Tel/Email \_\_\_\_\_

Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT, if different from Below \_\_\_\_\_  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Site Contact		Date	COC No	of	COCs
						Lab Contact	Carrier				
Well 1 FRB1	9 00	1129	G	W		✓	EPA Methods				
Well 1 Palt 1	9 05	1129	G	W		✓					
Well 1 FRB2	9 32	1129	G	W		✓					
Well 1 Palt 2	9 35	1129	G	W		✓					
Well 2 Palt 1	9 15	1129	G	W		✓					
Well 2 FRB1	9 17	1129	G	W		✓					
Well 2 Palt 2	9 18	1129	G	W		✓					
Well 2 Palt 2	9 20	1129	G	W		✓					
Well 3 FRB1	9 50	1129	G	W		✓					
Well 3 FRB2	9 57	1129	G	W		✓					
Well 3 Palt 1	9 55	1129	G	W		✓					
Well 3 Palt 2	9 58	1129	G	W		✓					



320-109224 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH 6= Other NH4OAC

Possible Hazard Identification  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return to Client  Dispose by Lab  Archive for \_\_\_\_\_ Months

Company: Parkwill  
 Date/Time: 1/29/24 1400  
 Received by: [Signature]

Company: KESAR  
 Date/Time: 1/30/24 0900  
 Received by: [Signature]



# Login Sample Receipt Checklist

Client: Parkhill

Job Number: 320-109224-1

**Login Number: 109224**

**List Source: Eurofins Sacramento**

**List Number: 1**

**Creator: Morazzini, Dominic S**

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

