



# ANALYTICAL REPORT

## PREPARED FOR

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## JOB DESCRIPTION

451482 RockGen

## JOB NUMBER

320-110731-1

# Eurofins Sacramento

## Job Notes

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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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# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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

# Case Narrative

Client: TRC Environmental Corporation  
Project: 451482 RockGen

Job ID: 320-110731-1

**Job ID: 320-110731-1**

**Eurofins Sacramento**

## Job Narrative 320-110731-1

### Receipt

The samples were received on 3/22/2024 9:30 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 2.4° C.

### LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: MW-04-202403 (320-110731-4).

Method 537 (modified): Results for samples MW-01-202403 (320-110731-1), MW-02-202403 (320-110731-2) and MW-04-202403 (320-110731-4) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

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

### Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-749983 and 320-749983.

Method 3535: The following sample in preparation batch 320-749983 was observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: PZ-01-202403 (320-110731-9).

Method 3535: The following sample: FB-02-202403 (320-110731-11) was decanted from a 1 liter bottle into a 250.0 mL bottle prior to preparation.

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

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Client Sample ID: MW-01-202403

## Lab Sample ID: 320-110731-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	220		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	260		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	39		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.53	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.5		1.9	0.52	ng/L	1		537 (modified)	Total/NA
8:2 FTS	73		1.9	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	460		19	5.6	ng/L	10		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	490		19	2.4	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1200		48	24	ng/L	10		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RADL	860		19	4.7	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: MW-02-202403

## Lab Sample ID: 320-110731-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	270		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	270		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.98	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.38	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.4	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
8:2 FTS	100		1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	610		18	5.3	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1300		45	23	ng/L	10		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RADL	1200		18	4.4	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: MW-03-202403

## Lab Sample ID: 320-110731-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.1		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.83	J	1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.60	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.38	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.93	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-04-202403

## Lab Sample ID: 320-110731-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	61		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	34		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.4		1.8	0.99	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	1.2	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.64	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		1.8	0.51	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Client Sample ID: MW-04-202403 (Continued)

Lab Sample ID: 320-110731-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanesulfonic acid (PFHpS)	1.4	J I	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	21		1.8	0.49	ng/L	1		537 (modified)	Total/NA
4:2 FTS	45		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	420		230	110	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1300		90	26	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	750		90	11	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	920		90	38	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	3800		230	110	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	2500		90	21	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RADL	2300		90	22	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MW-05-202403

Lab Sample ID: 320-110731-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	31		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	110		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	70		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	66		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	38		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.4		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.6	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.63	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.26	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
6:2 FTS	72		4.5	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	120		1.8	0.41	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-06-202403

Lab Sample ID: 320-110731-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-07-202403

Lab Sample ID: 320-110731-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	3.5		1.8	0.18	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MW-08-202403

Lab Sample ID: 320-110731-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.36	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.8	0.90	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: PZ-01-202403

Lab Sample ID: 320-110731-9

No Detections.

## Client Sample ID: DUP-09-202403

Lab Sample ID: 320-110731-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.43	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.95	J	1.9	0.92	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: FB-02-202403**

**Lab Sample ID: 320-110731-11**

No Detections.

**Client Sample ID: EB-09-202403**

**Lab Sample ID: 320-110731-12**

No Detections.

**Client Sample ID: EB-10-202403**

**Lab Sample ID: 320-110731-13**

No Detections.

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

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-01-202403**

**Lab Sample ID: 320-110731-1**

Date Collected: 03/20/24 13:17

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	220		4.8	2.3	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorooctanoic acid (PFOA)	260		1.9	0.82	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorononanoic acid (PFNA)	39		1.9	0.26	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorodecanoic acid (PFDA)	0.53	J	1.9	0.30	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorobutanesulfonic acid (PFBS)	0.62	J	1.9	0.19	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.9	0.55	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorooctanesulfonic acid (PFOS)	9.5		1.9	0.52	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		03/26/24 07:55	03/29/24 02:57	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		03/26/24 07:55	03/29/24 02:57	1
NEtFOSA	<0.84		1.9	0.84	ng/L		03/26/24 07:55	03/29/24 02:57	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/26/24 07:55	03/29/24 02:57	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		03/26/24 07:55	03/29/24 02:57	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		03/26/24 07:55	03/29/24 02:57	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/26/24 07:55	03/29/24 02:57	1
NEtFOSE	<0.82		1.9	0.82	ng/L		03/26/24 07:55	03/29/24 02:57	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 02:57	1
8:2 FTS	73		1.9	0.44	ng/L		03/26/24 07:55	03/29/24 02:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/26/24 07:55	03/29/24 02:57	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/26/24 07:55	03/29/24 02:57	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 02:57	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		03/26/24 07:55	03/29/24 02:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C4 PFHpA	105		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C4 PFOA	96		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C5 PFNA	105		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C2 PFDA	107		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C2 PFUnA	107		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C2 PFDoA	103		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C2 PFTeDA	103		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C3 PFBS	101		25 - 150	03/26/24 07:55	03/29/24 02:57	1
18O2 PFHxS	100		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C4 PFOS	98		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C8 FOSA	111		10 - 150	03/26/24 07:55	03/29/24 02:57	1
d3-NMeFOSAA	93		25 - 150	03/26/24 07:55	03/29/24 02:57	1
d5-NEtFOSAA	92		25 - 150	03/26/24 07:55	03/29/24 02:57	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-01-202403**

**Lab Sample ID: 320-110731-1**

Date Collected: 03/20/24 13:17

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	90		10 - 150	03/26/24 07:55	03/29/24 02:57	1
d-N-EtFOSA-M	92		10 - 150	03/26/24 07:55	03/29/24 02:57	1
d7-N-MeFOSE-M	108		10 - 150	03/26/24 07:55	03/29/24 02:57	1
d9-N-EtFOSE-M	100		10 - 150	03/26/24 07:55	03/29/24 02:57	1
M2-4:2 FTS	101		25 - 150	03/26/24 07:55	03/29/24 02:57	1
M2-8:2 FTS	102		25 - 150	03/26/24 07:55	03/29/24 02:57	1
13C3 HFPO-DA	112		25 - 150	03/26/24 07:55	03/29/24 02:57	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	460		19	5.6	ng/L		03/26/24 07:55	04/02/24 00:55	10
Perfluoroheptanoic acid (PFHpA)	490		19	2.4	ng/L		03/26/24 07:55	04/02/24 00:55	10
6:2 FTS	1200		48	24	ng/L		03/26/24 07:55	04/02/24 00:55	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	102		25 - 150	03/26/24 07:55	04/02/24 00:55	10
13C4 PFHpA	93		25 - 150	03/26/24 07:55	04/02/24 00:55	10
M2-6:2 FTS	70		25 - 150	03/26/24 07:55	04/02/24 00:55	10

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RADL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	860		19	4.7	ng/L		03/26/24 07:55	04/03/24 13:33	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	110		25 - 150	03/26/24 07:55	04/03/24 13:33	10

**Client Sample ID: MW-02-202403**

**Lab Sample ID: 320-110731-2**

Date Collected: 03/20/24 12:12

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	270		4.5	2.2	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluoroheptanoic acid (PFHpA)	270		1.8	0.23	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorooctanoic acid (PFOA)	220		1.8	0.77	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorononanoic acid (PFNA)	16		1.8	0.25	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorodecanoic acid (PFDA)	0.98	J	1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorobutanesulfonic acid (PFBS)	0.38	J	1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.8	0.52	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:08	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-02-202403**

**Lab Sample ID: 320-110731-2**

Date Collected: 03/20/24 12:12

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		03/26/24 07:55	03/29/24 03:08	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		03/26/24 07:55	03/29/24 03:08	1
NEtFOSA	<0.79		1.8	0.79	ng/L		03/26/24 07:55	03/29/24 03:08	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 03:08	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		03/26/24 07:55	03/29/24 03:08	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		03/26/24 07:55	03/29/24 03:08	1
NMeFOSE	<1.3		3.6	1.3	ng/L		03/26/24 07:55	03/29/24 03:08	1
NEtFOSE	<0.77		1.8	0.77	ng/L		03/26/24 07:55	03/29/24 03:08	1
<b>4:2 FTS</b>	<b>1.4</b>	<b>J</b>	1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:08	1
<b>8:2 FTS</b>	<b>100</b>		1.8	0.42	ng/L		03/26/24 07:55	03/29/24 03:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		03/26/24 07:55	03/29/24 03:08	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		03/26/24 07:55	03/29/24 03:08	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:08	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:08	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	97		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C4 PFHpA	104		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C4 PFOA	97		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C5 PFNA	107		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C2 PFDA	107		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C2 PFUnA	111		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C2 PFDoA	111		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C2 PFTeDA	108		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C3 PFBS	95		25 - 150				03/26/24 07:55	03/29/24 03:08	1
18O2 PFHxS	100		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C4 PFOS	99		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C8 FOSA	107		10 - 150				03/26/24 07:55	03/29/24 03:08	1
d3-NMeFOSAA	99		25 - 150				03/26/24 07:55	03/29/24 03:08	1
d5-NEtFOSAA	97		25 - 150				03/26/24 07:55	03/29/24 03:08	1
d-N-MeFOSA-M	96		10 - 150				03/26/24 07:55	03/29/24 03:08	1
d-N-EtFOSA-M	102		10 - 150				03/26/24 07:55	03/29/24 03:08	1
d7-N-MeFOSE-M	109		10 - 150				03/26/24 07:55	03/29/24 03:08	1
d9-N-EtFOSE-M	113		10 - 150				03/26/24 07:55	03/29/24 03:08	1
M2-4:2 FTS	87		25 - 150				03/26/24 07:55	03/29/24 03:08	1
M2-8:2 FTS	100		25 - 150				03/26/24 07:55	03/29/24 03:08	1
13C3 HFPO-DA	114		25 - 150				03/26/24 07:55	03/29/24 03:08	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	<b>610</b>		18	5.3	ng/L		03/26/24 07:55	04/02/24 01:05	10
<b>6:2 FTS</b>	<b>1300</b>		45	23	ng/L		03/26/24 07:55	04/02/24 01:05	10
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C2 PFHxA	111		25 - 150				03/26/24 07:55	04/02/24 01:05	10
M2-6:2 FTS	77		25 - 150				03/26/24 07:55	04/02/24 01:05	10

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RADL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	<b>1200</b>		18	4.4	ng/L		03/26/24 07:55	04/03/24 13:43	10

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-02-202403**

**Lab Sample ID: 320-110731-2**

Date Collected: 03/20/24 12:12

Matrix: Water

Date Received: 03/22/24 09:30

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<sup>13</sup> C5 PFPeA	93		25 - 150	03/26/24 07:55	04/03/24 13:43	10

**Client Sample ID: MW-03-202403**

**Lab Sample ID: 320-110731-3**

Date Collected: 03/19/24 17:07

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.1		4.6	2.2	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluoropentanoic acid (PFPeA)	0.83	J	1.8	0.45	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorohexanoic acid (PFHxA)	0.60	J	1.8	0.53	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluoroheptanoic acid (PFHpA)	0.38	J	1.8	0.23	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorobutanesulfonic acid (PFBS)	0.93	J	1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/26/24 07:55	03/29/24 03:18	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/26/24 07:55	03/29/24 03:18	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/26/24 07:55	03/29/24 03:18	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 03:18	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/26/24 07:55	03/29/24 03:18	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/26/24 07:55	03/29/24 03:18	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 07:55	03/29/24 03:18	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:18	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:18	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/26/24 07:55	03/29/24 03:18	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/26/24 07:55	03/29/24 03:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/26/24 07:55	03/29/24 03:18	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 07:55	03/29/24 03:18	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:18	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<sup>13</sup> C4 PFBA	96		25 - 150	03/26/24 07:55	03/29/24 03:18	1
<sup>13</sup> C5 PFPeA	97		25 - 150	03/26/24 07:55	03/29/24 03:18	1
<sup>13</sup> C2 PFHxA	95		25 - 150	03/26/24 07:55	03/29/24 03:18	1
<sup>13</sup> C4 PFHpA	95		25 - 150	03/26/24 07:55	03/29/24 03:18	1
<sup>13</sup> C4 PFOA	93		25 - 150	03/26/24 07:55	03/29/24 03:18	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-03-202403**

**Lab Sample ID: 320-110731-3**

Date Collected: 03/19/24 17:07

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	94		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C2 PFDA	96		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C2 PFUnA	87		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C2 PFDoA	97		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C2 PFTeDA	96		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C3 PFBS	88		25 - 150	03/26/24 07:55	03/29/24 03:18	1
18O2 PFHxS	93		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C4 PFOS	89		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C8 FOSA	95		10 - 150	03/26/24 07:55	03/29/24 03:18	1
d3-NMeFOSAA	86		25 - 150	03/26/24 07:55	03/29/24 03:18	1
d5-NEtFOSAA	89		25 - 150	03/26/24 07:55	03/29/24 03:18	1
d-N-MeFOSA-M	83		10 - 150	03/26/24 07:55	03/29/24 03:18	1
d-N-EtFOSA-M	88		10 - 150	03/26/24 07:55	03/29/24 03:18	1
d7-N-MeFOSE-M	101		10 - 150	03/26/24 07:55	03/29/24 03:18	1
d9-N-EtFOSE-M	98		10 - 150	03/26/24 07:55	03/29/24 03:18	1
M2-4:2 FTS	95		25 - 150	03/26/24 07:55	03/29/24 03:18	1
M2-6:2 FTS	89		25 - 150	03/26/24 07:55	03/29/24 03:18	1
M2-8:2 FTS	97		25 - 150	03/26/24 07:55	03/29/24 03:18	1
13C3 HFPO-DA	102		25 - 150	03/26/24 07:55	03/29/24 03:18	1

**Client Sample ID: MW-04-202403**

**Lab Sample ID: 320-110731-4**

Date Collected: 03/20/24 15:00

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	61		1.8	0.24	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorodecanoic acid (PFDA)	34		1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluoroundecanoic acid (PFUnA)	2.4		1.8	0.99	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorododecanoic acid (PFDoA)	1.2	J	1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorobutanesulfonic acid (PFBS)	0.64	J	1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluoropentanesulfonic acid (PFPeS)	0.35	J	1.8	0.27	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		1.8	0.51	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluoroheptanesulfonic acid (PFHpS)	1.4	J I	1.8	0.17	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorooctanesulfonic acid (PFOS)	21		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		03/26/24 07:55	03/29/24 03:28	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		03/26/24 07:55	03/29/24 03:28	1
NEtFOSA	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:28	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 03:28	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		03/26/24 07:55	03/29/24 03:28	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-04-202403**

**Lab Sample ID: 320-110731-4**

**Date Collected: 03/20/24 15:00**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.2		4.5	1.2	ng/L		03/26/24 07:55	03/29/24 03:28	1
NMeFOSE	<1.3		3.6	1.3	ng/L		03/26/24 07:55	03/29/24 03:28	1
NEtFOSE	<0.77		1.8	0.77	ng/L		03/26/24 07:55	03/29/24 03:28	1
<b>4:2 FTS</b>	<b>45</b>		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		03/26/24 07:55	03/29/24 03:28	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		03/26/24 07:55	03/29/24 03:28	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:28	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFNA	105		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C2 PFDA	99		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C2 PFUnA	96		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C2 PFDoA	106		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C2 PFTeDA	105		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C3 PFBS	95		25 - 150				03/26/24 07:55	03/29/24 03:28	1
18O2 PFHxS	99		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C4 PFOS	102		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C8 FOSA	100		10 - 150				03/26/24 07:55	03/29/24 03:28	1
d3-NMeFOSAA	96		25 - 150				03/26/24 07:55	03/29/24 03:28	1
d5-NEtFOSAA	88		25 - 150				03/26/24 07:55	03/29/24 03:28	1
d-N-MeFOSA-M	97		10 - 150				03/26/24 07:55	03/29/24 03:28	1
d-N-EtFOSA-M	97		10 - 150				03/26/24 07:55	03/29/24 03:28	1
d7-N-MeFOSE-M	104		10 - 150				03/26/24 07:55	03/29/24 03:28	1
d9-N-EtFOSE-M	111		10 - 150				03/26/24 07:55	03/29/24 03:28	1
M2-4:2 FTS	91		25 - 150				03/26/24 07:55	03/29/24 03:28	1
13C3 HFPO-DA	111		25 - 150				03/26/24 07:55	03/29/24 03:28	1

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<b>420</b>		230	110	ng/L		03/26/24 07:55	04/02/24 01:15	50
Perfluorohexanoic acid (PFHxA)	<b>1300</b>		90	26	ng/L		03/26/24 07:55	04/02/24 01:15	50
Perfluoroheptanoic acid (PFHpA)	<b>750</b>		90	11	ng/L		03/26/24 07:55	04/02/24 01:15	50
Perfluorooctanoic acid (PFOA)	<b>920</b>		90	38	ng/L		03/26/24 07:55	04/02/24 01:15	50
<b>6:2 FTS</b>	<b>3800</b>		230	110	ng/L		03/26/24 07:55	04/02/24 01:15	50
<b>8:2 FTS</b>	<b>2500</b>		90	21	ng/L		03/26/24 07:55	04/02/24 01:15	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	114		25 - 150				03/26/24 07:55	04/02/24 01:15	50
13C2 PFHxA	118		25 - 150				03/26/24 07:55	04/02/24 01:15	50
13C4 PFHpA	112		25 - 150				03/26/24 07:55	04/02/24 01:15	50
13C4 PFOA	104		25 - 150				03/26/24 07:55	04/02/24 01:15	50
M2-6:2 FTS	143		25 - 150				03/26/24 07:55	04/02/24 01:15	50
M2-8:2 FTS	119		25 - 150				03/26/24 07:55	04/02/24 01:15	50

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - RADL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	<b>2300</b>		90	22	ng/L		03/26/24 07:55	04/03/24 13:53	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	101		25 - 150				03/26/24 07:55	04/03/24 13:53	50

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-05-202403**

**Lab Sample ID: 320-110731-5**

Date Collected: 03/20/24 09:57

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	31		4.5	2.2	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluoropentanoic acid (PFPeA)	110		1.8	0.44	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorohexanoic acid (PFHxA)	70		1.8	0.52	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluoroheptanoic acid (PFHpA)	66		1.8	0.23	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorooctanoic acid (PFOA)	38		1.8	0.77	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorononanoic acid (PFNA)	4.4		1.8	0.24	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorodecanoic acid (PFDA)	1.6	J	1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorobutanesulfonic acid (PFBS)	0.63	J	1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorooctanesulfonic acid (PFOS)	2.0		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		03/26/24 07:55	03/29/24 03:38	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		03/26/24 07:55	03/29/24 03:38	1
NEtFOSA	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:38	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 03:38	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		03/26/24 07:55	03/29/24 03:38	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		03/26/24 07:55	03/29/24 03:38	1
NMeFOSE	<1.3		3.6	1.3	ng/L		03/26/24 07:55	03/29/24 03:38	1
NEtFOSE	<0.77		1.8	0.77	ng/L		03/26/24 07:55	03/29/24 03:38	1
4:2 FTS	0.26	J	1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:38	1
6:2 FTS	72		4.5	2.3	ng/L		03/26/24 07:55	03/29/24 03:38	1
8:2 FTS	120		1.8	0.41	ng/L		03/26/24 07:55	03/29/24 03:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		03/26/24 07:55	03/29/24 03:38	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		03/26/24 07:55	03/29/24 03:38	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:38	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:38	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	99		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C5 PFPeA	97		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C2 PFHxA	104		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C4 PFHpA	104		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C4 PFOA	96		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C5 PFNA	104		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C2 PFDA	108		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C2 PFUnA	106		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C2 PFDoA	97		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C2 PFTrDA	96		25 - 150				03/26/24 07:55	03/29/24 03:38	1
13C3 PFBS	92		25 - 150				03/26/24 07:55	03/29/24 03:38	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-05-202403**

**Lab Sample ID: 320-110731-5**

**Date Collected: 03/20/24 09:57**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		25 - 150	03/26/24 07:55	03/29/24 03:38	1
13C4 PFOS	98		25 - 150	03/26/24 07:55	03/29/24 03:38	1
13C8 FOSA	109		10 - 150	03/26/24 07:55	03/29/24 03:38	1
d3-NMeFOSAA	90		25 - 150	03/26/24 07:55	03/29/24 03:38	1
d5-NEtFOSAA	90		25 - 150	03/26/24 07:55	03/29/24 03:38	1
d-N-MeFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 03:38	1
d-N-EtFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 03:38	1
d7-N-MeFOSE-M	105		10 - 150	03/26/24 07:55	03/29/24 03:38	1
d9-N-EtFOSE-M	101		10 - 150	03/26/24 07:55	03/29/24 03:38	1
M2-4:2 FTS	92		25 - 150	03/26/24 07:55	03/29/24 03:38	1
M2-6:2 FTS	92		25 - 150	03/26/24 07:55	03/29/24 03:38	1
M2-8:2 FTS	89		25 - 150	03/26/24 07:55	03/29/24 03:38	1
13C3 HFPO-DA	102		25 - 150	03/26/24 07:55	03/29/24 03:38	1

**Client Sample ID: MW-06-202403**

**Lab Sample ID: 320-110731-6**

**Date Collected: 03/19/24 15:39**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>4.8</b>		4.6	2.2	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/26/24 07:55	03/29/24 03:48	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.98 J</b>		1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		03/26/24 07:55	03/29/24 03:48	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		03/26/24 07:55	03/29/24 03:48	1
NEtFOSA	<0.79		1.8	0.79	ng/L		03/26/24 07:55	03/29/24 03:48	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 03:48	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/26/24 07:55	03/29/24 03:48	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/26/24 07:55	03/29/24 03:48	1
NMeFOSE	<1.3		3.6	1.3	ng/L		03/26/24 07:55	03/29/24 03:48	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:48	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:48	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-06-202403**

**Lab Sample ID: 320-110731-6**

**Date Collected: 03/19/24 15:39**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.3		4.6	2.3	ng/L		03/26/24 07:55	03/29/24 03:48	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/26/24 07:55	03/29/24 03:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		03/26/24 07:55	03/29/24 03:48	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		03/26/24 07:55	03/29/24 03:48	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:48	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C5 PFPeA	99		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C2 PFHxA	102		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C4 PFHpA	113		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C4 PFOA	98		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C5 PFNA	108		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C2 PFDA	112		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C2 PFUnA	103		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C2 PFDoA	93		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C2 PFTeDA	106		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C3 PFBS	92		25 - 150	03/26/24 07:55	03/29/24 03:48	1
18O2 PFHxS	103		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C4 PFOS	103		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C8 FOSA	109		10 - 150	03/26/24 07:55	03/29/24 03:48	1
d3-NMeFOSAA	95		25 - 150	03/26/24 07:55	03/29/24 03:48	1
d5-NEtFOSAA	92		25 - 150	03/26/24 07:55	03/29/24 03:48	1
d-N-MeFOSA-M	98		10 - 150	03/26/24 07:55	03/29/24 03:48	1
d-N-EtFOSA-M	98		10 - 150	03/26/24 07:55	03/29/24 03:48	1
d7-N-MeFOSE-M	102		10 - 150	03/26/24 07:55	03/29/24 03:48	1
d9-N-EtFOSE-M	102		10 - 150	03/26/24 07:55	03/29/24 03:48	1
M2-4:2 FTS	95		25 - 150	03/26/24 07:55	03/29/24 03:48	1
M2-6:2 FTS	98		25 - 150	03/26/24 07:55	03/29/24 03:48	1
M2-8:2 FTS	98		25 - 150	03/26/24 07:55	03/29/24 03:48	1
13C3 HFPO-DA	112		25 - 150	03/26/24 07:55	03/29/24 03:48	1

**Client Sample ID: MW-07-202403**

**Lab Sample ID: 320-110731-7**

**Date Collected: 03/19/24 14:12**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/26/24 07:55	03/29/24 03:58	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-07-202403**

**Lab Sample ID: 320-110731-7**

Date Collected: 03/19/24 14:12

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>3.5</b>		1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/26/24 07:55	03/29/24 03:58	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/26/24 07:55	03/29/24 03:58	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/26/24 07:55	03/29/24 03:58	1
NMeFOSA	<0.40		1.8	0.40	ng/L		03/26/24 07:55	03/29/24 03:58	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/26/24 07:55	03/29/24 03:58	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/26/24 07:55	03/29/24 03:58	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 07:55	03/29/24 03:58	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 03:58	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:58	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/26/24 07:55	03/29/24 03:58	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/26/24 07:55	03/29/24 03:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/26/24 07:55	03/29/24 03:58	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 07:55	03/29/24 03:58	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 03:58	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		03/26/24 07:55	03/29/24 03:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C5 PFPeA	101		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C2 PFHxA	107		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C4 PFHpA	106		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C4 PFOA	101		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C5 PFNA	105		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C2 PFDA	104		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C2 PFUnA	98		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C2 PFDoA	107		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C2 PFTeDA	106		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C3 PFBS	99		25 - 150	03/26/24 07:55	03/29/24 03:58	1
18O2 PFHxS	107		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C4 PFOS	102		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C8 FOSA	109		10 - 150	03/26/24 07:55	03/29/24 03:58	1
d3-NMeFOSAA	96		25 - 150	03/26/24 07:55	03/29/24 03:58	1
d5-NEtFOSAA	94		25 - 150	03/26/24 07:55	03/29/24 03:58	1
d-N-MeFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 03:58	1
d-N-EtFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 03:58	1
d7-N-MeFOSE-M	112		10 - 150	03/26/24 07:55	03/29/24 03:58	1
d9-N-EtFOSE-M	105		10 - 150	03/26/24 07:55	03/29/24 03:58	1
M2-4:2 FTS	96		25 - 150	03/26/24 07:55	03/29/24 03:58	1
M2-6:2 FTS	94		25 - 150	03/26/24 07:55	03/29/24 03:58	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-07-202403**

**Lab Sample ID: 320-110731-7**

Date Collected: 03/19/24 14:12

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	96		25 - 150	03/26/24 07:55	03/29/24 03:58	1
13C3 HFPO-DA	109		25 - 150	03/26/24 07:55	03/29/24 03:58	1

**Client Sample ID: MW-08-202403**

**Lab Sample ID: 320-110731-8**

Date Collected: 03/18/24 19:03

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/26/24 07:55	03/29/24 04:28	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.36</b>	<b>J</b>	1.8	0.18	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 04:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/26/24 07:55	03/29/24 04:28	1
<b>Perfluorooctanesulfonamide (FOSA)</b>	<b>1.2</b>	<b>J</b>	1.8	0.90	ng/L		03/26/24 07:55	03/29/24 04:28	1
NEtFOSA	<0.79		1.8	0.79	ng/L		03/26/24 07:55	03/29/24 04:28	1
NMeFOSA	<0.39		1.8	0.39	ng/L		03/26/24 07:55	03/29/24 04:28	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/26/24 07:55	03/29/24 04:28	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/26/24 07:55	03/29/24 04:28	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 07:55	03/29/24 04:28	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/26/24 07:55	03/29/24 04:28	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 04:28	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/26/24 07:55	03/29/24 04:28	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/26/24 07:55	03/29/24 04:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/26/24 07:55	03/29/24 04:28	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 07:55	03/29/24 04:28	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 07:55	03/29/24 04:28	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 07:55	03/29/24 04:28	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	96		25 - 150	03/26/24 07:55	03/29/24 04:28	1			
13C5 PFPeA	94		25 - 150	03/26/24 07:55	03/29/24 04:28	1			

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-08-202403**

**Lab Sample ID: 320-110731-8**

Date Collected: 03/18/24 19:03

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	97		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C4 PFHpA	102		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C4 PFOA	96		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C5 PFNA	98		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C2 PFDA	95		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C2 PFUnA	86		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C2 PFDoA	101		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C2 PFTeDA	103		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C3 PFBS	94		25 - 150	03/26/24 07:55	03/29/24 04:28	1
18O2 PFHxS	99		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C4 PFOS	98		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C8 FOSA	104		10 - 150	03/26/24 07:55	03/29/24 04:28	1
d3-NMeFOSAA	89		25 - 150	03/26/24 07:55	03/29/24 04:28	1
d5-NEtFOSAA	90		25 - 150	03/26/24 07:55	03/29/24 04:28	1
d-N-MeFOSA-M	95		10 - 150	03/26/24 07:55	03/29/24 04:28	1
d-N-EtFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 04:28	1
d7-N-MeFOSE-M	105		10 - 150	03/26/24 07:55	03/29/24 04:28	1
d9-N-EtFOSE-M	101		10 - 150	03/26/24 07:55	03/29/24 04:28	1
M2-4:2 FTS	89		25 - 150	03/26/24 07:55	03/29/24 04:28	1
M2-6:2 FTS	83		25 - 150	03/26/24 07:55	03/29/24 04:28	1
M2-8:2 FTS	88		25 - 150	03/26/24 07:55	03/29/24 04:28	1
13C3 HFPO-DA	102		25 - 150	03/26/24 07:55	03/29/24 04:28	1

**Client Sample ID: PZ-01-202403**

**Lab Sample ID: 320-110731-9**

Date Collected: 03/20/24 11:33

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorotridecanoic acid (PFTeDA)	<1.3		2.0	1.3	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		03/26/24 07:55	03/29/24 04:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		03/26/24 07:55	03/29/24 04:38	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: PZ-01-202403**

**Lab Sample ID: 320-110731-9**

Date Collected: 03/20/24 11:33

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/26/24 07:55	03/29/24 04:38	1
NEtFOSA	<0.85		2.0	0.85	ng/L		03/26/24 07:55	03/29/24 04:38	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/26/24 07:55	03/29/24 04:38	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/26/24 07:55	03/29/24 04:38	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/26/24 07:55	03/29/24 04:38	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/26/24 07:55	03/29/24 04:38	1
NEtFOSE	<0.83		2.0	0.83	ng/L		03/26/24 07:55	03/29/24 04:38	1
4:2 FTS	<0.23		2.0	0.23	ng/L		03/26/24 07:55	03/29/24 04:38	1
6:2 FTS	<2.4		4.9	2.4	ng/L		03/26/24 07:55	03/29/24 04:38	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/26/24 07:55	03/29/24 04:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/26/24 07:55	03/29/24 04:38	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/26/24 07:55	03/29/24 04:38	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		03/26/24 07:55	03/29/24 04:38	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		03/26/24 07:55	03/29/24 04:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C5 PFPeA	109		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C2 PFHxA	100		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C4 PFHpA	104		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C4 PFOA	97		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C5 PFNA	101		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C2 PFDA	104		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C2 PFUnA	97		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C2 PFDoA	101		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C2 PFTeDA	100		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C3 PFBS	97		25 - 150				03/26/24 07:55	03/29/24 04:38	1
18O2 PFHxS	104		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C4 PFOS	99		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C8 FOSA	105		10 - 150				03/26/24 07:55	03/29/24 04:38	1
d3-NMeFOSAA	92		25 - 150				03/26/24 07:55	03/29/24 04:38	1
d5-NEtFOSAA	90		25 - 150				03/26/24 07:55	03/29/24 04:38	1
d-N-MeFOSA-M	90		10 - 150				03/26/24 07:55	03/29/24 04:38	1
d-N-EtFOSA-M	87		10 - 150				03/26/24 07:55	03/29/24 04:38	1
d7-N-MeFOSE-M	105		10 - 150				03/26/24 07:55	03/29/24 04:38	1
d9-N-EtFOSE-M	100		10 - 150				03/26/24 07:55	03/29/24 04:38	1
M2-4:2 FTS	108		25 - 150				03/26/24 07:55	03/29/24 04:38	1
M2-6:2 FTS	94		25 - 150				03/26/24 07:55	03/29/24 04:38	1
M2-8:2 FTS	99		25 - 150				03/26/24 07:55	03/29/24 04:38	1
13C3 HFPO-DA	108		25 - 150				03/26/24 07:55	03/29/24 04:38	1

**Client Sample ID: DUP-09-202403**

**Lab Sample ID: 320-110731-10**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/26/24 07:55	03/29/24 04:48	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: DUP-09-202403**

**Lab Sample ID: 320-110731-10**

**Date Collected: 03/18/24 00:00**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/26/24 07:55	03/29/24 04:48	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.43</b>	<b>J</b>	1.9	0.19	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/26/24 07:55	03/29/24 04:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/26/24 07:55	03/29/24 04:48	1
<b>Perfluorooctanesulfonamide (FOSA)</b>	<b>0.95</b>	<b>J</b>	1.9	0.92	ng/L		03/26/24 07:55	03/29/24 04:48	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/26/24 07:55	03/29/24 04:48	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/26/24 07:55	03/29/24 04:48	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/26/24 07:55	03/29/24 04:48	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/26/24 07:55	03/29/24 04:48	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 07:55	03/29/24 04:48	1
NEtFOSE	<0.79		1.9	0.79	ng/L		03/26/24 07:55	03/29/24 04:48	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/26/24 07:55	03/29/24 04:48	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/26/24 07:55	03/29/24 04:48	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/26/24 07:55	03/29/24 04:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/26/24 07:55	03/29/24 04:48	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 07:55	03/29/24 04:48	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		03/26/24 07:55	03/29/24 04:48	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/26/24 07:55	03/29/24 04:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C5 PFPeA	103		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C2 PFHxA	100		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C4 PFHpA	104		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C4 PFOA	93		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C5 PFNA	103		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C2 PFDA	99		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C2 PFUnA	92		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C2 PFDoA	93		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C2 PFTeDA	93		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C3 PFBS	104		25 - 150	03/26/24 07:55	03/29/24 04:48	1
18O2 PFHxS	103		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C4 PFOS	102		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C8 FOSA	103		10 - 150	03/26/24 07:55	03/29/24 04:48	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: DUP-09-202403**

**Lab Sample ID: 320-110731-10**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	91		25 - 150	03/26/24 07:55	03/29/24 04:48	1
d5-NEtFOSAA	94		25 - 150	03/26/24 07:55	03/29/24 04:48	1
d-N-MeFOSA-M	89		10 - 150	03/26/24 07:55	03/29/24 04:48	1
d-N-EtFOSA-M	96		10 - 150	03/26/24 07:55	03/29/24 04:48	1
d7-N-MeFOSE-M	104		10 - 150	03/26/24 07:55	03/29/24 04:48	1
d9-N-EtFOSE-M	99		10 - 150	03/26/24 07:55	03/29/24 04:48	1
M2-4:2 FTS	84		25 - 150	03/26/24 07:55	03/29/24 04:48	1
M2-6:2 FTS	96		25 - 150	03/26/24 07:55	03/29/24 04:48	1
M2-8:2 FTS	90		25 - 150	03/26/24 07:55	03/29/24 04:48	1
13C3 HFPO-DA	99		25 - 150	03/26/24 07:55	03/29/24 04:48	1

**Client Sample ID: FB-02-202403**

**Lab Sample ID: 320-110731-11**

Date Collected: 03/20/24 15:30

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		03/26/24 07:55	03/29/24 04:58	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		03/26/24 07:55	03/29/24 04:58	1
NEtFOSA	<0.84		1.9	0.84	ng/L		03/26/24 07:55	03/29/24 04:58	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/26/24 07:55	03/29/24 04:58	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		03/26/24 07:55	03/29/24 04:58	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		03/26/24 07:55	03/29/24 04:58	1
NMeFOSE	<1.3		3.9	1.3	ng/L		03/26/24 07:55	03/29/24 04:58	1
NEtFOSE	<0.82		1.9	0.82	ng/L		03/26/24 07:55	03/29/24 04:58	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 04:58	1
6:2 FTS	<2.4		4.8	2.4	ng/L		03/26/24 07:55	03/29/24 04:58	1
8:2 FTS	<0.44		1.9	0.44	ng/L		03/26/24 07:55	03/29/24 04:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		03/26/24 07:55	03/29/24 04:58	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: FB-02-202403**

**Lab Sample ID: 320-110731-11**

**Date Collected: 03/20/24 15:30**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		03/26/24 07:55	03/29/24 04:58	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 04:58	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		03/26/24 07:55	03/29/24 04:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C5 PFPeA	96		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C2 PFHxA	102		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C4 PFHpA	102		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C4 PFOA	99		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C5 PFNA	95		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C2 PFDA	100		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C2 PFUnA	98		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C2 PFDoA	91		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C2 PFTeDA	90		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C3 PFBS	94		25 - 150				03/26/24 07:55	03/29/24 04:58	1
18O2 PFHxS	102		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C4 PFOS	102		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C8 FOSA	102		10 - 150				03/26/24 07:55	03/29/24 04:58	1
d3-NMeFOSAA	92		25 - 150				03/26/24 07:55	03/29/24 04:58	1
d5-NEtFOSAA	86		25 - 150				03/26/24 07:55	03/29/24 04:58	1
d-N-MeFOSA-M	99		10 - 150				03/26/24 07:55	03/29/24 04:58	1
d-N-EtFOSA-M	95		10 - 150				03/26/24 07:55	03/29/24 04:58	1
d7-N-MeFOSE-M	104		10 - 150				03/26/24 07:55	03/29/24 04:58	1
d9-N-EtFOSE-M	100		10 - 150				03/26/24 07:55	03/29/24 04:58	1
M2-4:2 FTS	102		25 - 150				03/26/24 07:55	03/29/24 04:58	1
M2-6:2 FTS	101		25 - 150				03/26/24 07:55	03/29/24 04:58	1
M2-8:2 FTS	99		25 - 150				03/26/24 07:55	03/29/24 04:58	1
13C3 HFPO-DA	105		25 - 150				03/26/24 07:55	03/29/24 04:58	1

**Client Sample ID: EB-09-202403**

**Lab Sample ID: 320-110731-12**

**Date Collected: 03/19/24 17:30**

**Matrix: Water**

**Date Received: 03/22/24 09:30**

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/26/24 07:55	03/29/24 05:08	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: EB-09-202403**

**Lab Sample ID: 320-110731-12**

Date Collected: 03/19/24 17:30

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/26/24 07:55	03/29/24 05:08	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		03/26/24 07:55	03/29/24 05:08	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/26/24 07:55	03/29/24 05:08	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/26/24 07:55	03/29/24 05:08	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/26/24 07:55	03/29/24 05:08	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/26/24 07:55	03/29/24 05:08	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 07:55	03/29/24 05:08	1
NEtFOSE	<0.79		1.9	0.79	ng/L		03/26/24 07:55	03/29/24 05:08	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/26/24 07:55	03/29/24 05:08	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/26/24 07:55	03/29/24 05:08	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/26/24 07:55	03/29/24 05:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/26/24 07:55	03/29/24 05:08	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 07:55	03/29/24 05:08	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		03/26/24 07:55	03/29/24 05:08	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/26/24 07:55	03/29/24 05:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C5 PFPeA	96		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C2 PFHxA	92		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C4 PFHpA	99		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C4 PFOA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C5 PFNA	98		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C2 PFDA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C2 PFUnA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C2 PFDoA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C2 PFTeDA	95		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C3 PFBS	96		25 - 150				03/26/24 07:55	03/29/24 05:08	1
18O2 PFHxS	106		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C4 PFOS	99		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C8 FOSA	101		10 - 150				03/26/24 07:55	03/29/24 05:08	1
d3-NMeFOSAA	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
d5-NEtFOSAA	91		25 - 150				03/26/24 07:55	03/29/24 05:08	1
d-N-MeFOSA-M	91		10 - 150				03/26/24 07:55	03/29/24 05:08	1
d-N-EtFOSA-M	99		10 - 150				03/26/24 07:55	03/29/24 05:08	1
d7-N-MeFOSE-M	98		10 - 150				03/26/24 07:55	03/29/24 05:08	1
d9-N-EtFOSE-M	97		10 - 150				03/26/24 07:55	03/29/24 05:08	1
M2-4:2 FTS	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
M2-6:2 FTS	100		25 - 150				03/26/24 07:55	03/29/24 05:08	1
M2-8:2 FTS	97		25 - 150				03/26/24 07:55	03/29/24 05:08	1
13C3 HFPO-DA	98		25 - 150				03/26/24 07:55	03/29/24 05:08	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: EB-10-202403**

**Lab Sample ID: 320-110731-13**

Date Collected: 03/20/24 15:35

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		03/26/24 08:15	03/29/24 05:18	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		03/26/24 08:15	03/29/24 05:18	1
NEtFOSA	<0.80		1.8	0.80	ng/L		03/26/24 08:15	03/29/24 05:18	1
NMeFOSA	<0.40		1.8	0.40	ng/L		03/26/24 08:15	03/29/24 05:18	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		03/26/24 08:15	03/29/24 05:18	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		03/26/24 08:15	03/29/24 05:18	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/26/24 08:15	03/29/24 05:18	1
NEtFOSE	<0.78		1.8	0.78	ng/L		03/26/24 08:15	03/29/24 05:18	1
4:2 FTS	<0.22		1.8	0.22	ng/L		03/26/24 08:15	03/29/24 05:18	1
6:2 FTS	<2.3		4.6	2.3	ng/L		03/26/24 08:15	03/29/24 05:18	1
8:2 FTS	<0.42		1.8	0.42	ng/L		03/26/24 08:15	03/29/24 05:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		03/26/24 08:15	03/29/24 05:18	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/26/24 08:15	03/29/24 05:18	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		03/26/24 08:15	03/29/24 05:18	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		03/26/24 08:15	03/29/24 05:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C5 PFPeA	98		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C2 PFHxA	101		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C4 PFHpA	103		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C4 PFOA	98		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C5 PFNA	97		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C2 PFDA	100		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C2 PFUnA	108		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C2 PFDoA	103		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C2 PFTeDA	96		25 - 150				03/26/24 08:15	03/29/24 05:18	1
13C3 PFBS	100		25 - 150				03/26/24 08:15	03/29/24 05:18	1
18O2 PFHxS	94		25 - 150				03/26/24 08:15	03/29/24 05:18	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: EB-10-202403**

**Lab Sample ID: 320-110731-13**

Date Collected: 03/20/24 15:35

Matrix: Water

Date Received: 03/22/24 09:30

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	100		25 - 150	03/26/24 08:15	03/29/24 05:18	1
13C8 FOSA	105		10 - 150	03/26/24 08:15	03/29/24 05:18	1
d3-NMeFOSAA	90		25 - 150	03/26/24 08:15	03/29/24 05:18	1
d5-NEtFOSAA	92		25 - 150	03/26/24 08:15	03/29/24 05:18	1
d-N-MeFOSA-M	96		10 - 150	03/26/24 08:15	03/29/24 05:18	1
d-N-EtFOSA-M	96		10 - 150	03/26/24 08:15	03/29/24 05:18	1
d7-N-MeFOSE-M	103		10 - 150	03/26/24 08:15	03/29/24 05:18	1
d9-N-EtFOSE-M	100		10 - 150	03/26/24 08:15	03/29/24 05:18	1
M2-4:2 FTS	102		25 - 150	03/26/24 08:15	03/29/24 05:18	1
M2-6:2 FTS	95		25 - 150	03/26/24 08:15	03/29/24 05:18	1
M2-8:2 FTS	94		25 - 150	03/26/24 08:15	03/29/24 05:18	1
13C3 HFPO-DA	106		25 - 150	03/26/24 08:15	03/29/24 05:18	1

# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-110731-1	MW-01-202403	99			105	96	105	107	107
320-110731-1 - DL	MW-01-202403			102	93				
320-110731-1 - RADL	MW-01-202403		110						
320-110731-2	MW-02-202403	97			104	97	107	107	111
320-110731-2 - DL	MW-02-202403			111					
320-110731-2 - RADL	MW-02-202403		93						
320-110731-3	MW-03-202403	96	97	95	95	93	94	96	87
320-110731-4	MW-04-202403						105	99	96
320-110731-4 - DL	MW-04-202403	114		118	112	104			
320-110731-4 - RADL	MW-04-202403		101						
320-110731-5	MW-05-202403	99	97	104	104	96	104	108	106
320-110731-6	MW-06-202403	98	99	102	113	98	108	112	103
320-110731-7	MW-07-202403	100	101	107	106	101	105	104	98
320-110731-8	MW-08-202403	96	94	97	102	96	98	95	86
320-110731-9	PZ-01-202403	104	109	100	104	97	101	104	97
320-110731-10	DUP-09-202403	99	103	100	104	93	103	99	92
320-110731-11	FB-02-202403	94	96	102	102	99	95	100	98
320-110731-12	EB-09-202403	97	96	92	99	97	98	97	97
320-110731-13	EB-10-202403	98	98	101	103	98	97	100	108
LCS 320-749983/2-A	Lab Control Sample	101	95	100	99	97	105	106	95
LCSD 320-749983/3-A	Lab Control Sample Dup	101	99	99	101	97	101	106	104
MB 320-749983/1-A	Method Blank	98	96	94	100	92	100	105	95

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-110731-1	MW-01-202403	103	103	101	100	98	111	93	92
320-110731-1 - DL	MW-01-202403								
320-110731-1 - RADL	MW-01-202403								
320-110731-2	MW-02-202403	111	108	95	100	99	107	99	97
320-110731-2 - DL	MW-02-202403								
320-110731-2 - RADL	MW-02-202403								
320-110731-3	MW-03-202403	97	96	88	93	89	95	86	89
320-110731-4	MW-04-202403	106	105	95	99	102	100	96	88
320-110731-4 - DL	MW-04-202403								
320-110731-4 - RADL	MW-04-202403								
320-110731-5	MW-05-202403	97	96	92	99	98	109	90	90
320-110731-6	MW-06-202403	93	106	92	103	103	109	95	92
320-110731-7	MW-07-202403	107	106	99	107	102	109	96	94
320-110731-8	MW-08-202403	101	103	94	99	98	104	89	90
320-110731-9	PZ-01-202403	101	100	97	104	99	105	92	90
320-110731-10	DUP-09-202403	93	93	104	103	102	103	91	94
320-110731-11	FB-02-202403	91	90	94	102	102	102	92	86
320-110731-12	EB-09-202403	97	95	96	106	99	101	97	91
320-110731-13	EB-10-202403	103	96	100	94	100	105	90	92
LCS 320-749983/2-A	Lab Control Sample	101	112	94	98	97	102	96	88
LCSD 320-749983/3-A	Lab Control Sample Dup	94	99	96	93	92	90	97	93
MB 320-749983/1-A	Method Blank	100	90	93	94	94	96	90	87

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-110731-1	MW-01-202403	90	92	108	100	101		102	112
320-110731-1 - DL	MW-01-202403						70		
320-110731-1 - RADL	MW-01-202403								
320-110731-2	MW-02-202403	96	102	109	113	87		100	114
320-110731-2 - DL	MW-02-202403						77		
320-110731-2 - RADL	MW-02-202403								
320-110731-3	MW-03-202403	83	88	101	98	95	89	97	102
320-110731-4	MW-04-202403	97	97	104	111	91			111
320-110731-4 - DL	MW-04-202403						143	119	
320-110731-4 - RADL	MW-04-202403								
320-110731-5	MW-05-202403	91	91	105	101	92	92	89	102
320-110731-6	MW-06-202403	98	98	102	102	95	98	98	112
320-110731-7	MW-07-202403	91	91	112	105	96	94	96	109
320-110731-8	MW-08-202403	95	91	105	101	89	83	88	102
320-110731-9	PZ-01-202403	90	87	105	100	108	94	99	108
320-110731-10	DUP-09-202403	89	96	104	99	84	96	90	99
320-110731-11	FB-02-202403	99	95	104	100	102	101	99	105
320-110731-12	EB-09-202403	91	99	98	97	97	100	97	98
320-110731-13	EB-10-202403	96	96	103	100	102	95	94	106
LCS 320-749983/2-A	Lab Control Sample	88	88	101	100	98	101	107	105
LCSD 320-749983/3-A	Lab Control Sample Dup	79	85	97	92	96	100	89	101
MB 320-749983/1-A	Method Blank	90	91	108	101	95	95	102	104

### Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- dMeFOSA = d-N-MeFOSA-M
- dEtFOSA = d-N-EtFOSA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-749983/1-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/26/24 07:55	03/29/24 02:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/26/24 07:55	03/29/24 02:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/26/24 07:55	03/29/24 02:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/26/24 07:55	03/29/24 02:27	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/26/24 07:55	03/29/24 02:27	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/26/24 07:55	03/29/24 02:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/26/24 07:55	03/29/24 02:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/26/24 07:55	03/29/24 02:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/26/24 07:55	03/29/24 02:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/26/24 07:55	03/29/24 02:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/26/24 07:55	03/29/24 02:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/26/24 07:55	03/29/24 02:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/26/24 07:55	03/29/24 02:27	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/26/24 07:55	03/29/24 02:27	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/26/24 07:55	03/29/24 02:27	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	98		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C5 PFPeA	96		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C2 PFHxA	94		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C4 PFHpA	100		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C4 PFOA	92		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C5 PFNA	100		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C2 PFDA	105		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C2 PFUnA	95		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C2 PFDoA	100		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C2 PFTeDA	90		25 - 150	03/26/24 07:55	03/29/24 02:27	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-749983/1-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	93		25 - 150	03/26/24 07:55	03/29/24 02:27	1
18O2 PFHxS	94		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C4 PFOS	94		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C8 FOSA	96		10 - 150	03/26/24 07:55	03/29/24 02:27	1
d3-NMeFOSAA	90		25 - 150	03/26/24 07:55	03/29/24 02:27	1
d5-NEtFOSAA	87		25 - 150	03/26/24 07:55	03/29/24 02:27	1
d-N-MeFOSA-M	90		10 - 150	03/26/24 07:55	03/29/24 02:27	1
d-N-EtFOSA-M	91		10 - 150	03/26/24 07:55	03/29/24 02:27	1
d7-N-MeFOSE-M	108		10 - 150	03/26/24 07:55	03/29/24 02:27	1
d9-N-EtFOSE-M	101		10 - 150	03/26/24 07:55	03/29/24 02:27	1
M2-4:2 FTS	95		25 - 150	03/26/24 07:55	03/29/24 02:27	1
M2-6:2 FTS	95		25 - 150	03/26/24 07:55	03/29/24 02:27	1
M2-8:2 FTS	102		25 - 150	03/26/24 07:55	03/29/24 02:27	1
13C3 HFPO-DA	104		25 - 150	03/26/24 07:55	03/29/24 02:27	1

**Lab Sample ID: LCS 320-749983/2-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	42.8		ng/L		107	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	47.0		ng/L		117	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.5		ng/L		111	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	46.5		ng/L		116	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	43.4		ng/L		108	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.8		ng/L		110	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	44.8		ng/L		112	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	42.2		ng/L		105	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.8		ng/L		112	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	42.8		ng/L		107	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.2		ng/L		108	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	40.3		ng/L		114	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	43.9		ng/L		117	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	38.6		ng/L		106	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.7		ng/L		109	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	38.9		ng/L		104	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	42.3		ng/L		110	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	42.2		ng/L		109	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.8		ng/L		95	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCS 320-749983/2-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	39.5		ng/L		99	60 - 135
NEtFOSA	40.0	44.6		ng/L		111	60 - 135
NMeFOSA	40.0	40.0		ng/L		100	60 - 135
NMeFOSAA	40.0	40.8		ng/L		102	60 - 135
NEtFOSAA	40.0	51.3		ng/L		128	60 - 135
NMeFOSE	40.0	47.0		ng/L		118	60 - 135
NEtFOSE	40.0	45.8		ng/L		115	60 - 135
4:2 FTS	37.5	42.3		ng/L		113	60 - 135
6:2 FTS	38.1	37.2		ng/L		98	60 - 135
8:2 FTS	38.4	40.2		ng/L		105	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	43.1		ng/L		114	60 - 135
HFPO-DA (GenX)	40.0	43.4		ng/L		109	60 - 135
9Cl-PF3ONS	37.4	44.9		ng/L		120	60 - 135
11Cl-PF3OUdS	37.8	43.0		ng/L		114	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	101		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	100		25 - 150
13C4 PFHpA	99		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	112		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	102		10 - 150
d3-NMeFOSAA	96		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	88		10 - 150
d-N-EtFOSA-M	88		10 - 150
d7-N-MeFOSE-M	101		10 - 150
d9-N-EtFOSE-M	100		10 - 150
M2-4:2 FTS	98		25 - 150
M2-6:2 FTS	101		25 - 150
M2-8:2 FTS	107		25 - 150
13C3 HFPO-DA	105		25 - 150

**Lab Sample ID: LCSD 320-749983/3-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	43.1		ng/L		108	60 - 135	1	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCSD 320-749983/3-A**  
**Matrix: Water**  
**Analysis Batch: 750926**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749983**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	42.7		ng/L		107	60 - 135	10	30
Perfluorohexanoic acid (PFHxA)	40.0	43.6		ng/L		109	60 - 135	2	30
Perfluoroheptanoic acid (PFHpA)	40.0	43.8		ng/L		110	60 - 135	6	30
Perfluorooctanoic acid (PFOA)	40.0	44.3		ng/L		111	60 - 135	2	30
Perfluorononanoic acid (PFNA)	40.0	44.0		ng/L		110	60 - 135	0	30
Perfluorodecanoic acid (PFDA)	40.0	41.1		ng/L		103	60 - 135	9	30
Perfluoroundecanoic acid (PFUnA)	40.0	39.3		ng/L		98	60 - 135	7	30
Perfluorododecanoic acid (PFDoA)	40.0	46.5		ng/L		116	60 - 135	4	30
Perfluorotridecanoic acid (PFTrDA)	40.0	42.1		ng/L		105	60 - 135	2	30
Perfluorotetradecanoic acid (PFTeA)	40.0	41.0		ng/L		103	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)	35.5	36.1		ng/L		102	60 - 135	11	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	39.3		ng/L		104	60 - 135	11	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	39.5		ng/L		108	60 - 135	2	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.7		ng/L		107	60 - 135	2	30
Perfluorooctanesulfonic acid (PFOS)	37.2	40.6		ng/L		109	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)	38.5	40.4		ng/L		105	60 - 135	5	30
Perfluorodecanesulfonic acid (PFDS)	38.6	42.8		ng/L		111	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.4		ng/L		96	60 - 135	2	30
Perfluorooctanesulfonamide (FOSA)	40.0	43.6		ng/L		109	60 - 135	10	30
NEtFOSA	40.0	43.9		ng/L		110	60 - 135	1	30
NMeFOSA	40.0	43.9		ng/L		110	60 - 135	9	30
NMeFOSAA	40.0	40.7		ng/L		102	60 - 135	0	30
NEtFOSAA	40.0	49.0		ng/L		122	60 - 135	5	30
NMeFOSE	40.0	45.3		ng/L		113	60 - 135	4	30
NEtFOSE	40.0	46.3		ng/L		116	60 - 135	1	30
4:2 FTS	37.5	43.3		ng/L		115	60 - 135	2	30
6:2 FTS	38.1	39.9		ng/L		105	60 - 135	7	30
8:2 FTS	38.4	42.9		ng/L		112	60 - 135	7	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	44.4		ng/L		117	60 - 135	3	30
HFPO-DA (GenX)	40.0	48.2		ng/L		121	60 - 135	11	30
9Cl-PF3ONS	37.4	46.4		ng/L		124	60 - 135	3	30
11Cl-PF3OUdS	37.8	43.2		ng/L		114	60 - 135	0	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	101		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	101		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-749983/3-A  
 Matrix: Water  
 Analysis Batch: 750926

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 749983

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	97		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	104		25 - 150
13C2 PFDoA	94		25 - 150
13C2 PFTeDA	99		25 - 150
13C3 PFBS	96		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	90		10 - 150
d3-NMeFOSAA	97		25 - 150
d5-NEtFOSAA	93		25 - 150
d-N-MeFOSA-M	79		10 - 150
d-N-EtFOSA-M	85		10 - 150
d7-N-MeFOSE-M	97		10 - 150
d9-N-EtFOSE-M	92		10 - 150
M2-4:2 FTS	96		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	89		25 - 150
13C3 HFPO-DA	101		25 - 150

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## LCMS

### Prep Batch: 749983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110731-1 - DL	MW-01-202403	Total/NA	Water	3535	
320-110731-1	MW-01-202403	Total/NA	Water	3535	
320-110731-1 - RADL	MW-01-202403	Total/NA	Water	3535	
320-110731-2 - RADL	MW-02-202403	Total/NA	Water	3535	
320-110731-2	MW-02-202403	Total/NA	Water	3535	
320-110731-2 - DL	MW-02-202403	Total/NA	Water	3535	
320-110731-3	MW-03-202403	Total/NA	Water	3535	
320-110731-4 - RADL	MW-04-202403	Total/NA	Water	3535	
320-110731-4 - DL	MW-04-202403	Total/NA	Water	3535	
320-110731-4	MW-04-202403	Total/NA	Water	3535	
320-110731-5	MW-05-202403	Total/NA	Water	3535	
320-110731-6	MW-06-202403	Total/NA	Water	3535	
320-110731-7	MW-07-202403	Total/NA	Water	3535	
320-110731-8	MW-08-202403	Total/NA	Water	3535	
320-110731-9	PZ-01-202403	Total/NA	Water	3535	
320-110731-10	DUP-09-202403	Total/NA	Water	3535	
320-110731-11	FB-02-202403	Total/NA	Water	3535	
320-110731-12	EB-09-202403	Total/NA	Water	3535	
320-110731-13	EB-10-202403	Total/NA	Water	3535	
MB 320-749983/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-749983/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-749983/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 750926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110731-1	MW-01-202403	Total/NA	Water	537 (modified)	749983
320-110731-2	MW-02-202403	Total/NA	Water	537 (modified)	749983
320-110731-3	MW-03-202403	Total/NA	Water	537 (modified)	749983
320-110731-4	MW-04-202403	Total/NA	Water	537 (modified)	749983
320-110731-5	MW-05-202403	Total/NA	Water	537 (modified)	749983
320-110731-6	MW-06-202403	Total/NA	Water	537 (modified)	749983
320-110731-7	MW-07-202403	Total/NA	Water	537 (modified)	749983
320-110731-8	MW-08-202403	Total/NA	Water	537 (modified)	749983
320-110731-9	PZ-01-202403	Total/NA	Water	537 (modified)	749983
320-110731-10	DUP-09-202403	Total/NA	Water	537 (modified)	749983
320-110731-11	FB-02-202403	Total/NA	Water	537 (modified)	749983
320-110731-12	EB-09-202403	Total/NA	Water	537 (modified)	749983
320-110731-13	EB-10-202403	Total/NA	Water	537 (modified)	749983
MB 320-749983/1-A	Method Blank	Total/NA	Water	537 (modified)	749983
LCS 320-749983/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	749983
LCSD 320-749983/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	749983

### Analysis Batch: 751604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110731-1 - DL	MW-01-202403	Total/NA	Water	537 (modified)	749983
320-110731-2 - DL	MW-02-202403	Total/NA	Water	537 (modified)	749983
320-110731-4 - DL	MW-04-202403	Total/NA	Water	537 (modified)	749983

### Analysis Batch: 752057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110731-1 - RADL	MW-01-202403	Total/NA	Water	537 (modified)	749983

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## LCMS (Continued)

### Analysis Batch: 752057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110731-2 - RADL	MW-02-202403	Total/NA	Water	537 (modified)	749983
320-110731-4 - RADL	MW-04-202403	Total/NA	Water	537 (modified)	749983

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Client Sample ID: MW-01-202403

## Lab Sample ID: 320-110731-1

Date Collected: 03/20/24 13:17

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			260.2 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 02:57	AP1	EET SAC
Total/NA	Prep	3535	DL		260.2 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751604	04/02/24 00:55	C1P	EET SAC
Total/NA	Prep	3535	RADL		260.2 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	RADL	10			752057	04/03/24 13:33	AP1	EET SAC

## Client Sample ID: MW-02-202403

## Lab Sample ID: 320-110731-2

Date Collected: 03/20/24 12:12

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.3 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:08	AP1	EET SAC
Total/NA	Prep	3535	DL		275.3 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751604	04/02/24 01:05	C1P	EET SAC
Total/NA	Prep	3535	RADL		275.3 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	RADL	10			752057	04/03/24 13:43	AP1	EET SAC

## Client Sample ID: MW-03-202403

## Lab Sample ID: 320-110731-3

Date Collected: 03/19/24 17:07

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.4 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:18	AP1	EET SAC

## Client Sample ID: MW-04-202403

## Lab Sample ID: 320-110731-4

Date Collected: 03/20/24 15:00

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.7 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:28	AP1	EET SAC
Total/NA	Prep	3535	DL		277.7 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			751604	04/02/24 01:15	C1P	EET SAC
Total/NA	Prep	3535	RADL		277.7 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)	RADL	50			752057	04/03/24 13:53	AP1	EET SAC

## Client Sample ID: MW-05-202403

## Lab Sample ID: 320-110731-5

Date Collected: 03/20/24 09:57

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.4 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:38	AP1	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

**Client Sample ID: MW-06-202403**

**Lab Sample ID: 320-110731-6**

Date Collected: 03/19/24 15:39

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			274.1 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:48	AP1	EET SAC

**Client Sample ID: MW-07-202403**

**Lab Sample ID: 320-110731-7**

Date Collected: 03/19/24 14:12

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			271.1 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 03:58	AP1	EET SAC

**Client Sample ID: MW-08-202403**

**Lab Sample ID: 320-110731-8**

Date Collected: 03/18/24 19:03

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.7 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 04:28	AP1	EET SAC

**Client Sample ID: PZ-01-202403**

**Lab Sample ID: 320-110731-9**

Date Collected: 03/20/24 11:33

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.6 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 04:38	AP1	EET SAC

**Client Sample ID: DUP-09-202403**

**Lab Sample ID: 320-110731-10**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.6 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 04:48	AP1	EET SAC

**Client Sample ID: FB-02-202403**

**Lab Sample ID: 320-110731-11**

Date Collected: 03/20/24 15:30

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			259.6 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 04:58	AP1	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Client Sample ID: EB-09-202403

Lab Sample ID: 320-110731-12

Date Collected: 03/19/24 17:30

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.9 mL	10.0 mL	749983	03/26/24 07:55	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 05:08	AP1	EET SAC

## Client Sample ID: EB-10-202403

Lab Sample ID: 320-110731-13

Date Collected: 03/20/24 15:35

Matrix: Water

Date Received: 03/22/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			271.8 mL	10.0 mL	749983	03/26/24 08:15	M1G	EET SAC
Total/NA	Analysis	537 (modified)		1			750926	03/29/24 05:18	AP1	EET SAC

### Laboratory References:

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

# Accreditation/Certification Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

## Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4040	01-29-25
Wisconsin	State	998204680	08-31-24

1

2

3

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# Method Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

**Protocol References:**

EPA = US Environmental Protection Agency

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

**Laboratory References:**

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



# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110731-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-110731-1	MW-01-202403	Water	03/20/24 13:17	03/22/24 09:30
320-110731-2	MW-02-202403	Water	03/20/24 12:12	03/22/24 09:30
320-110731-3	MW-03-202403	Water	03/19/24 17:07	03/22/24 09:30
320-110731-4	MW-04-202403	Water	03/20/24 15:00	03/22/24 09:30
320-110731-5	MW-05-202403	Water	03/20/24 09:57	03/22/24 09:30
320-110731-6	MW-06-202403	Water	03/19/24 15:39	03/22/24 09:30
320-110731-7	MW-07-202403	Water	03/19/24 14:12	03/22/24 09:30
320-110731-8	MW-08-202403	Water	03/18/24 19:03	03/22/24 09:30
320-110731-9	PZ-01-202403	Water	03/20/24 11:33	03/22/24 09:30
320-110731-10	DUP-09-202403	Water	03/18/24 00:00	03/22/24 09:30
320-110731-11	FB-02-202403	Water	03/20/24 15:30	03/22/24 09:30
320-110731-12	EB-09-202403	Water	03/19/24 17:30	03/22/24 09:30
320-110731-13	EB-10-202403	Water	03/20/24 15:35	03/22/24 09:30

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- 15

# Chain of Custody Record 721765

Address 880 Riverside Parkway  
West Sacramento, CA 95605



TAL-8210  
Regulatory Program:  DW  NPDES  RCRA  Other

Project Manager: Jeff Remy  
Tel/Email: J.Remy@eurofins.com  
Analysis Turnaround Time

Site Contact: Marshall T. H. Date: 3/21/2024  
Lab Contact: Misha Smith Carrier: FedEx

Company Name: TRC  
Address: 6737 W Washington St Ste 2100  
City/State/Zip: West Allis  
Phone: 414-294-9247  
Fax: \_\_\_\_\_  
Project Name: Rev Gen  
Site: Rev Gen  
P O #: \_\_\_\_\_

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Performs (Y/N)		Sample Specific Notes
						Filtered Sample	Perform MS / MSD	
MW-01 - 202403	3/20/24	1317	G	GW	2	X	X	
MW-02 - 202403	3/20/24	1212	G	GW	2	X	X	
MW-03 - 202403	3/19/24	1707	G	GW	2	X	X	
MW-04 - 202403	3/20/24	1500	G	GW	2	X	X	
MW-05 - 202403	3/20/24	0957	G	GW	2	X	X	
MW-06 - 202403	3/19/24	1539	G	GW	2	X	X	
MW-07 - 202403	3/19/24	1412	G	GW	2	X	X	
MW-08 - 202403	3/18/24	1903	G	GW	2	X	X	
MW-09 - 202403	3/20/24	1133	G	GW	2	X	X	
DUP - 09 - 202403	3/18/24	-	G	GW	2	X	X	
FB - 02 - 202403	3/20/24	1530	G	GW	2	X	X	
EB - 09 - 202403	3/19/24	1730	G	GW	2	X	X	



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

Possible Hazard Identification: 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

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Custody Seal No: 2474003  
Cooler Temp (°C): 24  
Corrd: 24  
Therm ID No: 672

Relinquished by: TRC  
Date/Time: 3/21/24 1330  
Company: TRC

Relinquished by: [Signature]  
Date/Time: 3/22/24 0930  
Company: Eurofins

Relinquished by: [Signature]  
Date/Time: [Blank]  
Company: [Blank]

Relinquished by: [Signature]  
Date/Time: [Blank]  
Company: [Blank]







Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc 320  
110731

Tracking # 6570 6549 1432

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>47</u> Corr. Factor (+/-) _____ °C	Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
Ice <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Gel _____ Other _____		
Cooler Custody Seal <u>2479603</u>		
Cooler ID _____		
Temp Observed <u>2.4</u> °C Corrected <u>2.4</u> °C		
From. Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>		
<b>Opening/Processing The Shipment</b>		
<b>Yes No NA</b>		
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>JM</u> Date: <u>3/22/24</u>		
<b>Unpacking/Labeling The Samples</b>		
<b>Yes No NA</b>		
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 checked="" type="checkbox"/> <input 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 type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input 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"/>		
*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")		
Initials <u>JF</u> Date: <u>3/22/24</u>	Trizma Lot #(s) _____ _____ _____	
Initials <u>JF</u> Date: <u>3/22/24</u>	Ammonium Acetate Lot #(s): _____ _____ _____	
	<b>Login Completion</b>	
	<b>Yes No NA</b>	
	Receipt Temperature on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	NCM Filed? <input type="checkbox"/> <input checked="" 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"/>	



320 110731 Field Sheet

**euofins** | Environment Testing  
TestAmerica

2479603

ORIGIN ID:BLUA (608) 630-4732  
MARSHAL TOFTE  
TRC ENVIRONMENTAL CORPORATION  
999 FOURIER DRIVE  
SUITE 101  
MADISON, WI 53717  
UNITED STATES US

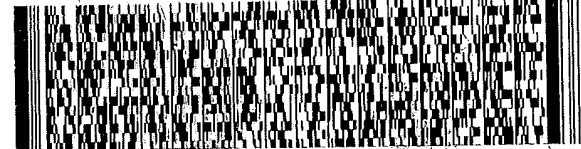
SHIP DATE: 13MAR24  
ACTWGT: 10.00 LB MAN  
CAD: 0575589/CAFE3755

TO **SAMPLE RECEIVING**  
**TESTAMERICA WEST SACRAMENTO**  
**880 RIVERSIDE PARKWAY**

**WEST SACRAMENTO CA 95605**

(916) 373-5600  
REF: S320 - 58896

RMA:



**FedEx**  
TRK# 6570 6549 1432  
0221

**FRI - 22 MAR 10:30A**  
**PRIORITY OVERNIGHT**

**XW BLUA**

**95605**  
CA-US **SMT**



176562 03/21 583J2/8538/9A93

**Custody Seal**  
DATE 5/21/202  
SIGNATURE

**euofins** | Environment Testing  
TestAmerica  
2479603



# Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-110731-1

**Login Number: 110731**

**List Source: Eurofins Sacramento**

**List Number: 1**

**Creator: Fisher, Jamyiah L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (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	

