



# ANALYTICAL REPORT

## PREPARED FOR

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## JOB DESCRIPTION

451482 RockGen

## JOB NUMBER

320-114250-1

# Eurofins Sacramento

## Job Notes

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## Authorization



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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	7
Client Sample Results . . . . .	17
Isotope Dilution Summary . . . . .	106
QC Sample Results . . . . .	113
QC Association Summary . . . . .	142
Lab Chronicle . . . . .	147
Certification Summary . . . . .	159
Method Summary . . . . .	160
Sample Summary . . . . .	161
Chain of Custody . . . . .	163
Receipt Checklists . . . . .	171

# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
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: 320-114250-1

Job ID: 320-114250-1

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## Job Narrative 320-114250-1

### Receipt

The samples were received on 8/1/2024 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9° C, 1.9° C and 3.7° 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: MP-03-(190-217)-202407 (320-114250-17).

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-03-(280-300)-202407 (320-114250-14), MP-06-(113-148)-202407 (320-114250-32), MP-07-(220-258)-202407 (320-114250-36) and MP-07-(080-112)-202407 (320-114250-40). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The samples were re-analyzed with concurring results, therefore, the data have been reported.

Method 537 (modified): Results for samples MP-02-(198-220)-202407 (320-114250-12), MP-02-(153-195)-202407 (320-114250-13), MP-04-(155-192)-202407 (320-114250-26) and MP-07-(115-152)-202407 (320-114250-39) 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.

Method 537 (modified): Results for samples MP-04-(115-152)-202407 (320-114250-27) and MP-04-(080-112)-202407 (320-114250-28) 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.

Method 537 (modified): The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 320-787218 and analytical batch 320-787663 recovered outside control limits for the following analyte: Perfluorododecanesulfonic acid (PFDoS).

Method 537 (modified): Results for samples MP-01-(155-195)-202407 (320-114250-5), MP-01-(121-152)-202407 (320-114250-6), MP-01-(091-118)-202407 (320-114250-7), MP-01-(051-088)-202407 (320-114250-8) and DUP-07-202407 (320-114250-54) 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.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-08-(220-246)-202407 (320-114250-42), DUP-01-202407 (320-114250-48) and DUP-02-202407 (320-114250-49). The sample was re-analyzed with concurring results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: DUP-04-202407 (320-114250-51), EB-01-202407 (320-114250-57), EB-02-202407 (320-114250-58), EB-06-202407 (320-114250-62), EB-07-202407 (320-114250-63) and EB-08-202407 (320-114250-64). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The samples were re-analyzed with concurring results; therefore, the data have been reported.

Method 537 (modified): The following equipment sample (EB) sample has a detection above half the reporting limit (1/2 RL) for NEtFOSE: EB-01-202407 (320-114250-57). The sample was re-analyzed with concurring results; therefore, the data have been reported.

Method 537 (modified): Results for samples DUP-08-202407 (320-114250-55) were reported from the analysis of a diluted extract due to matrix interference 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.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-01-(051-088)-202407 (320-114250-8). This sample was re-analyzed at dilution 50X with concurring results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-01-(223-250)-202407 (320-114250-3). Quantitation by isotope dilution generally precludes any adverse effect on data

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## Case Narrative

Client: TRC Environmental Corporation  
Project: 451482 RockGen

Job ID: 320-114250-1

### Job ID: 320-114250-1 (Continued)

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quality due to elevated IDA recoveries. The sample was re-analyzed with concurring results; therefore, the data have been reported.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(155-195)-202407 (320-114250-5) and MP-01-(121-152)-202407 (320-114250-6). This sample was re-analyzed at dilution 100X with concurring results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for sample MP-01-(091-118)-202407 (320-114250-7) was 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.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample for M2-6:2 FTS: MP-01-(091-118)-202407 (320-114250-7). As a result, the associated analyte may be potentially low biased. The client was contacted and gave permission to report.

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: EB-01-202407 (320-114250-57).

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

#### Organic Prep

Method 3535: The following samples in preparation batch 320-787026 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: MP-01-(223-250)-202407 (320-114250-3) and MP-01-(198-220)-202407 (320-114250-4).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-787026.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-787103.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-787099.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-787228.

Method 3535: During the solid phase extraction process, the following samples DUP-04-202407 (320-114250-51) in preparation batch 320-787228 contained non-settable particulates which clogged the solid phase extraction column.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-787218.

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: 320-114250-1

## Client Sample ID: MP-01-(277-293)-202407

## Lab Sample ID: 320-114250-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.85	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA
NMeFOSA	0.49	J	2.1	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.1	J	5.3	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.2		2.1	0.49	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(253-274)-202407

## Lab Sample ID: 320-114250-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.3	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.78	J	2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.33	J	2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.92	J	2.1	0.91	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.0		5.4	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.6	J	2.1	0.49	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(223-250)-202407

## Lab Sample ID: 320-114250-3

No Detections.

## Client Sample ID: MP-01-(198-220)-202407

## Lab Sample ID: 320-114250-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	5.9		2.5	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7		2.5	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.3	J	2.5	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.2		2.5	1.1	ng/L	1		537 (modified)	Total/NA
6:2 FTS	41		6.4	3.2	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.1		2.5	0.58	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(155-195)-202407

## Lab Sample ID: 320-114250-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	310		6.2	3.0	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	390		2.5	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	46		2.5	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	5.7		2.5	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.97	J	2.5	0.25	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	2.5	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.2		2.5	0.70	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		2.5	0.66	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.8	J	2.5	1.2	ng/L	1		537 (modified)	Total/NA
4:2 FTS	53		2.5	0.30	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1400		120	30	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1100		120	36	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	770		120	52	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	760		120	28	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL2	6400		620	310	ng/L	100		537 (modified)	Total/NA

## Client Sample ID: MP-01-(121-152)-202407

## Lab Sample ID: 320-114250-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	330		6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	430		2.4	0.30	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: 320-114250-1

## Client Sample ID: MP-01-(121-152)-202407 (Continued)

## Lab Sample ID: 320-114250-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	53		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	6.3		2.4	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.86	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.64	J	2.4	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.4	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		2.4	0.65	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.5	J	2.4	1.2	ng/L	1		537 (modified)	Total/NA
4:2 FTS	50		2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1400		120	29	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1100		120	35	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	770		120	51	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1300		120	28	ng/L	50		537 (modified)	Total/NA
6:2 FTS - RADL	7100		300	150	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MP-01-(091-118)-202407

## Lab Sample ID: 320-114250-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	430		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	120		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	24		2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.78	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	28		2.2	0.59	ng/L	1		537 (modified)	Total/NA
4:2 FTS	61		2.2	0.26	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2400		110	27	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1500		110	32	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	690		110	14	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1500		110	47	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	2400		110	25	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL2	5400		550	270	ng/L	100		537 (modified)	Total/NA

## Client Sample ID: MP-01-(051-088)-202407

## Lab Sample ID: 320-114250-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	410		6.1	2.9	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	69		2.4	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	13		2.4	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.77	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.43	J	2.4	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.4	0.69	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		2.4	0.66	ng/L	1		537 (modified)	Total/NA
4:2 FTS	37		2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1800		120	30	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		120	35	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	720		120	15	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1100		120	52	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	6000		300	150	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1700		120	28	ng/L	50		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: 320-114250-1

**Client Sample ID: MP-02-(279-300)-202407**

**Lab Sample ID: 320-114250-9**

No Detections.

**Client Sample ID: MP-02-(253-276)-202407**

**Lab Sample ID: 320-114250-10**

No Detections.

**Client Sample ID: MP-02-(223-250)-202407**

**Lab Sample ID: 320-114250-11**

No Detections.

**Client Sample ID: MP-02-(198-220)-202407**

**Lab Sample ID: 320-114250-12**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	37		5.7	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	180		2.3	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	110		2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	42		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	47		2.3	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.5		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.23	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.67	J	2.3	0.65	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.6		2.3	0.27	ng/L	1		537 (modified)	Total/NA
8:2 FTS	34		2.3	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	730		28	14	ng/L	5		537 (modified)	Total/NA

**Client Sample ID: MP-02-(153-195)-202407**

**Lab Sample ID: 320-114250-13**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	76		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	320		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	180		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	93		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	110		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.3		2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.38	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.86	J	2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.4		2.1	0.58	ng/L	1		537 (modified)	Total/NA
NEtFOSE	1.1	J	2.1	0.91	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.8		2.1	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	320		2.1	0.49	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1300		27	13	ng/L	5		537 (modified)	Total/NA

**Client Sample ID: MP-03-(280-300)-202407**

**Lab Sample ID: 320-114250-14**

No Detections.

**Client Sample ID: MP-03-(245-277)-202407**

**Lab Sample ID: 320-114250-15**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
NMeFOSE	2.2	J	4.9	1.7	ng/L	1		537 (modified)	Total/NA
NEtFOSE	2.8		2.5	1.0	ng/L	1		537 (modified)	Total/NA

**Client Sample ID: MP-03-(220-242)-202407**

**Lab Sample ID: 320-114250-16**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Client Sample ID: MP-03-(190-217)-202407

## Lab Sample ID: 320-114250-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.6	J	2.3	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.2	J	2.3	0.65	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.48	J	2.3	0.28	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.3		5.6	2.8	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.60	J I	2.3	0.52	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(160-187)-202407

## Lab Sample ID: 320-114250-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	48		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	10		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.5		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.87	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
6:2 FTS	52		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.7		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(120-157)-202407

## Lab Sample ID: 320-114250-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	18		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	9.0		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.5		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.4		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.46	J	2.0	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.33	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.1		2.0	0.55	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(083-117)-202407

## Lab Sample ID: 320-114250-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	31		5.5	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	47		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	22		2.2	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	26		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		2.2	0.94	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.99	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.3		2.2	0.60	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(046-080)-202407

## Lab Sample ID: 320-114250-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	52		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	180		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	84		2.2	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	140		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	39		2.2	0.94	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.7		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.36	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Client Sample ID: MP-03-(046-080)-202407 (Continued)

Lab Sample ID: 320-114250-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.2	0.60	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-04-(275-291)-202407

Lab Sample ID: 320-114250-22

No Detections.

## Client Sample ID: MP-04-(245-272)-202407

Lab Sample ID: 320-114250-23

No Detections.

## Client Sample ID: MP-04-(220-242)-202407

Lab Sample ID: 320-114250-24

No Detections.

## Client Sample ID: MP-04-(195-217)-202407

Lab Sample ID: 320-114250-25

No Detections.

## Client Sample ID: MP-04-(155-192)-202407

Lab Sample ID: 320-114250-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	32		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	150		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	100		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	33		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	46		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.0		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.75	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.84	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	6.1		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	32		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	770		25	12	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: MP-04-(115-152)-202407

Lab Sample ID: 320-114250-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	140		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	240		2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	14		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J	2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.64	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.57	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.2		2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.8		2.2	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	2.1	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA
4:2 FTS	32		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	230		2.2	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	760		44	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	450		44	13	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3200		110	55	ng/L	20		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	140		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	180		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	310		2.1	0.89	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	18		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.1	J	2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.73	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.7		2.1	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	27		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	120		2.1	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	790		42	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	500		42	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3200		100	52	ng/L	20		537 (modified)	Total/NA

**Client Sample ID: MP-04-(048-077)-202407**

**Lab Sample ID: 320-114250-29**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.7	J	5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.63	J	2.3	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
6:2 FTS	3.4	J	5.8	2.9	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.4	J	2.3	0.54	ng/L	1		537 (modified)	Total/NA

**Client Sample ID: MP-05-(SWL-065)-202407**

**Lab Sample ID: 320-114250-30**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	20		2.4	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	14		2.4	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	16		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.4		2.4	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.9		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.72	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA

**Client Sample ID: MP-06-(148-178)-202407**

**Lab Sample ID: 320-114250-31**

No Detections.

**Client Sample ID: MP-06-(113-148)-202407**

**Lab Sample ID: 320-114250-32**

No Detections.

**Client Sample ID: MP-06-(73-110)-202407**

**Lab Sample ID: 320-114250-33**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.74	J	2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.4	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA

**Client Sample ID: MP-06-(36-70)-202407**

**Lab Sample ID: 320-114250-34**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.1	J	5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	2.1	0.60	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Client Sample ID: MP-06-(36-70)-202407 (Continued)

Lab Sample ID: 320-114250-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.72	J	2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-06-(21-33)-202407

Lab Sample ID: 320-114250-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	39		6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	93		2.4	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	63		2.4	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	57		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	48		2.4	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.3		2.4	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(220-258)-202407

Lab Sample ID: 320-114250-36

No Detections.

## Client Sample ID: MP-07-(195-217)-202407

Lab Sample ID: 320-114250-37

No Detections.

## Client Sample ID: MP-07-(155-192)-202407

Lab Sample ID: 320-114250-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	21		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	91		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	59		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	17		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.4	J	2.2	0.29	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.4		2.2	0.26	ng/L	1		537 (modified)	Total/NA
6:2 FTS	340		5.4	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	11		2.2	0.50	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(115-152)-202407

Lab Sample ID: 320-114250-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	59		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	260		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	160		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	50		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	55		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.0		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	7.0		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	23		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	840		25	13	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: MP-07-(080-112)-202407

Lab Sample ID: 320-114250-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.85	J	2.2	0.55	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Client Sample ID: MP-07-(080-112)-202407 (Continued)

Lab Sample ID: 320-114250-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.75	J	2.2	0.65	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2		2.2	0.22	ng/L	1		537 (modified)	Total/NA
6:2 FTS	2.8	J	5.6	2.8	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(048-077)-202407

Lab Sample ID: 320-114250-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	14		2.6	0.26	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(220-246)-202407

Lab Sample ID: 320-114250-42

No Detections.

## Client Sample ID: MP-08-(195-217)-202407

Lab Sample ID: 320-114250-43

No Detections.

## Client Sample ID: MP-08-(155-192)-202407

Lab Sample ID: 320-114250-44

No Detections.

## Client Sample ID: MP-08-(115-152)-202407

Lab Sample ID: 320-114250-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	14		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	9.2		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J	2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.5	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.42	J	2.2	0.26	ng/L	1		537 (modified)	Total/NA
6:2 FTS	3.3	J	5.5	2.7	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(080-112)-202407

Lab Sample ID: 320-114250-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	100		5.7	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	410		2.3	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	250		2.3	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	55		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		2.3	0.97	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.59	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	2.3	0.65	ng/L	1		537 (modified)	Total/NA
4:2 FTS	17		2.3	0.28	ng/L	1		537 (modified)	Total/NA
6:2 FTS	210		5.7	2.9	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(048-077)-202407

Lab Sample ID: 320-114250-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	9.5		2.2	0.22	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-01-202407

Lab Sample ID: 320-114250-48

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## Client Sample ID: DUP-02-202407

## Lab Sample ID: 320-114250-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	20		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	100		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	60		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	16		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	17		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.75	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.1		2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	270		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	5.0		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-03-202407

## Lab Sample ID: 320-114250-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	20		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	13		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.5		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.3		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.75	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-04-202407

## Lab Sample ID: 320-114250-51

No Detections.

## Client Sample ID: DUP-05-202407

## Lab Sample ID: 320-114250-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	38		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	96		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	62		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	53		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	45		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.4		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-06-202407

## Lab Sample ID: 320-114250-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	45		2.2	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.2	0.65	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.8		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.4		2.2	0.95	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.58	J	2.2	0.30	ng/L	1		537 (modified)	Total/NA
6:2 FTS	52		5.6	2.8	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.4		2.2	0.51	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-07-202407

## Lab Sample ID: 320-114250-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	71		5.7	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	290		2.3	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	180		2.3	0.66	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: 320-114250-1

## Client Sample ID: DUP-07-202407 (Continued)

Lab Sample ID: 320-114250-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	92		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	110		2.3	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	J	2.3	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.40	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.99	J	2.3	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.6		2.3	0.27	ng/L	1		537 (modified)	Total/NA
8:2 FTS	280		2.3	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1200		28	14	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: DUP-08-202407

Lab Sample ID: 320-114250-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	4.9		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.4		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.1		2.0	0.84	ng/L	1		537 (modified)	Total/NA
6:2 FTS	35		5.0	2.5	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: FB-01-202407

Lab Sample ID: 320-114250-56

No Detections.

## Client Sample ID: EB-01-202407

Lab Sample ID: 320-114250-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
NMeFOSA	0.43	J I	1.9	0.40	ng/L	1		537 (modified)	Total/NA
NEtFOSE	1.1	J	1.9	0.80	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: EB-02-202407

Lab Sample ID: 320-114250-58

No Detections.

## Client Sample ID: EB-03-202407

Lab Sample ID: 320-114250-59

No Detections.

## Client Sample ID: EB-04-202407

Lab Sample ID: 320-114250-60

No Detections.

## Client Sample ID: EB-05-202407

Lab Sample ID: 320-114250-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	0.59	J	1.9	0.44	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: EB-06-202407

Lab Sample ID: 320-114250-62

No Detections.

## Client Sample ID: EB-07-202407

Lab Sample ID: 320-114250-63

No Detections.

## Client Sample ID: EB-08-202407

Lab Sample ID: 320-114250-64

No Detections.

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: 320-114250-1

**Client Sample ID: MP-01-(277-293)-202407**

**Lab Sample ID: 320-114250-1**

**Date Collected: 07/31/24 10:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		08/02/24 07:42	08/05/24 15:19	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.85</b>	<b>J</b>	2.1	0.52	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 15:19	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 15:19	1
NEtFOSA	<0.92		2.1	0.92	ng/L		08/02/24 07:42	08/05/24 15:19	1
<b>NMeFOSA</b>	<b>0.49</b>	<b>J</b>	2.1	0.46	ng/L		08/02/24 07:42	08/05/24 15:19	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 07:42	08/05/24 15:19	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 07:42	08/05/24 15:19	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 07:42	08/05/24 15:19	1
NEtFOSE	<0.90		2.1	0.90	ng/L		08/02/24 07:42	08/05/24 15:19	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/02/24 07:42	08/05/24 15:19	1
<b>6:2 FTS</b>	<b>4.1</b>	<b>J</b>	5.3	2.7	ng/L		08/02/24 07:42	08/05/24 15:19	1
<b>8:2 FTS</b>	<b>3.2</b>		2.1	0.49	ng/L		08/02/24 07:42	08/05/24 15:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 07:42	08/05/24 15:19	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 07:42	08/05/24 15:19	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 07:42	08/05/24 15:19	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 15:19	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	100		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C5 PFPeA	105		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C2 PFHxA	105		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C4 PFHpA	108		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C4 PFOA	107		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C5 PFNA	112		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C2 PFDA	115		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C2 PFUnA	114		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C2 PFDoA	118		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C2 PFTeDA	95		25 - 150				08/02/24 07:42	08/05/24 15:19	1
13C3 PFBS	101		25 - 150				08/02/24 07:42	08/05/24 15:19	1
18O2 PFHxS	106		25 - 150				08/02/24 07:42	08/05/24 15:19	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(277-293)-202407**

**Lab Sample ID: 320-114250-1**

**Date Collected: 07/31/24 10:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	112		25 - 150	08/02/24 07:42	08/05/24 15:19	1
13C8 FOSA	111		10 - 150	08/02/24 07:42	08/05/24 15:19	1
d3-NMeFOSAA	143		25 - 150	08/02/24 07:42	08/05/24 15:19	1
d5-NEtFOSAA	135		25 - 150	08/02/24 07:42	08/05/24 15:19	1
d-N-MeFOSA-M	91		10 - 150	08/02/24 07:42	08/05/24 15:19	1
d-N-EtFOSA-M	90		10 - 150	08/02/24 07:42	08/05/24 15:19	1
d7-N-MeFOSE-M	85		10 - 150	08/02/24 07:42	08/05/24 15:19	1
d9-N-EtFOSE-M	90		10 - 150	08/02/24 07:42	08/05/24 15:19	1
M2-4:2 FTS	112		25 - 150	08/02/24 07:42	08/05/24 15:19	1
M2-6:2 FTS	111		25 - 150	08/02/24 07:42	08/05/24 15:19	1
M2-8:2 FTS	119		25 - 150	08/02/24 07:42	08/05/24 15:19	1
13C3 HFPO-DA	103		25 - 150	08/02/24 07:42	08/05/24 15:19	1

**Client Sample ID: MP-01-(253-274)-202407**

**Lab Sample ID: 320-114250-2**

**Date Collected: 07/31/24 10:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>1.3</b>	<b>J</b>	2.1	0.52	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.78</b>	<b>J</b>	2.1	0.62	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.33</b>	<b>J</b>	2.1	0.27	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>0.92</b>	<b>J</b>	2.1	0.91	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 15:33	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 15:33	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/02/24 07:42	08/05/24 15:33	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 07:42	08/05/24 15:33	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 07:42	08/05/24 15:33	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 07:42	08/05/24 15:33	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 07:42	08/05/24 15:33	1
NEtFOSE	<0.91		2.1	0.91	ng/L		08/02/24 07:42	08/05/24 15:33	1
4:2 FTS	<0.26		2.1	0.26	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>6:2 FTS</b>	<b>8.0</b>		5.4	2.7	ng/L		08/02/24 07:42	08/05/24 15:33	1
<b>8:2 FTS</b>	<b>1.6</b>	<b>J</b>	2.1	0.49	ng/L		08/02/24 07:42	08/05/24 15:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(253-274)-202407**

**Lab Sample ID: 320-114250-2**

**Date Collected: 07/31/24 10:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/02/24 07:42	08/05/24 15:33	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 07:42	08/05/24 15:33	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		08/02/24 07:42	08/05/24 15:33	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 15:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C5 PFPeA	102		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C2 PFHxA	104		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C4 PFHpA	107		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C4 PFOA	104		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C5 PFNA	111		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C2 PFDA	112		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C2 PFUnA	116		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C2 PFDoA	118		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C2 PFTeDA	98		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C3 PFBS	98		25 - 150				08/02/24 07:42	08/05/24 15:33	1
18O2 PFHxS	105		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C4 PFOS	107		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C8 FOSA	107		10 - 150				08/02/24 07:42	08/05/24 15:33	1
d3-NMeFOSAA	140		25 - 150				08/02/24 07:42	08/05/24 15:33	1
d5-NEtFOSAA	135		25 - 150				08/02/24 07:42	08/05/24 15:33	1
d-N-MeFOSA-M	90		10 - 150				08/02/24 07:42	08/05/24 15:33	1
d-N-EtFOSA-M	88		10 - 150				08/02/24 07:42	08/05/24 15:33	1
d7-N-MeFOSE-M	85		10 - 150				08/02/24 07:42	08/05/24 15:33	1
d9-N-EtFOSE-M	91		10 - 150				08/02/24 07:42	08/05/24 15:33	1
M2-4:2 FTS	118		25 - 150				08/02/24 07:42	08/05/24 15:33	1
M2-6:2 FTS	118		25 - 150				08/02/24 07:42	08/05/24 15:33	1
M2-8:2 FTS	118		25 - 150				08/02/24 07:42	08/05/24 15:33	1
13C3 HFPO-DA	102		25 - 150				08/02/24 07:42	08/05/24 15:33	1

**Client Sample ID: MP-01-(223-250)-202407**

**Lab Sample ID: 320-114250-3**

**Date Collected: 07/31/24 10:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 07:42	08/05/24 16:15	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(223-250)-202407**

**Lab Sample ID: 320-114250-3**

**Date Collected: 07/31/24 10:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 16:15	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 07:42	08/05/24 16:15	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/02/24 07:42	08/05/24 16:15	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 07:42	08/05/24 16:15	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 07:42	08/05/24 16:15	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 07:42	08/05/24 16:15	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 07:42	08/05/24 16:15	1
NEtFOSE	<0.91		2.1	0.91	ng/L		08/02/24 07:42	08/05/24 16:15	1
4:2 FTS	<0.26		2.1	0.26	ng/L		08/02/24 07:42	08/05/24 16:15	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/02/24 07:42	08/05/24 16:15	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/02/24 07:42	08/05/24 16:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/02/24 07:42	08/05/24 16:15	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 07:42	08/05/24 16:15	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		08/02/24 07:42	08/05/24 16:15	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 07:42	08/05/24 16:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C5 PFPeA	108		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C2 PFHxA	108		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C4 PFHpA	108		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C4 PFOA	111		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C5 PFNA	118		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C2 PFDA	114		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C2 PFUnA	120		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C2 PFDoA	129		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C2 PFTeDA	102		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C3 PFBS	105		25 - 150	08/02/24 07:42	08/05/24 16:15	1
18O2 PFHxS	110		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C4 PFOS	114		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C8 FOSA	112		10 - 150	08/02/24 07:42	08/05/24 16:15	1
d3-NMeFOSAA	120		25 - 150	08/02/24 07:42	08/05/24 16:15	1
d5-NEtFOSAA	153	*5+	25 - 150	08/02/24 07:42	08/05/24 16:15	1
d-N-MeFOSA-M	86		10 - 150	08/02/24 07:42	08/05/24 16:15	1
d-N-EtFOSA-M	87		10 - 150	08/02/24 07:42	08/05/24 16:15	1
d7-N-MeFOSE-M	83		10 - 150	08/02/24 07:42	08/05/24 16:15	1
d9-N-EtFOSE-M	86		10 - 150	08/02/24 07:42	08/05/24 16:15	1
M2-4:2 FTS	126		25 - 150	08/02/24 07:42	08/05/24 16:15	1
M2-6:2 FTS	121		25 - 150	08/02/24 07:42	08/05/24 16:15	1
M2-8:2 FTS	136		25 - 150	08/02/24 07:42	08/05/24 16:15	1
13C3 HFPO-DA	108		25 - 150	08/02/24 07:42	08/05/24 16:15	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(198-220)-202407**

**Lab Sample ID: 320-114250-4**

**Date Collected: 07/31/24 10:45**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<3.1		6.4	3.1	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>5.9</b>		2.5	0.62	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>3.7</b>		2.5	0.74	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>1.3 J</b>		2.5	0.32	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>3.2</b>		2.5	1.1	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorononanoic acid (PFNA)	<0.34		2.5	0.34	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorodecanoic acid (PFDA)	<0.39		2.5	0.39	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.5	0.70	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.5	1.7	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.5	0.93	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.25		2.5	0.25	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.5	0.38	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.72		2.5	0.72	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.5	0.69	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.5	0.47	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.5	0.41	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		08/02/24 07:42	08/05/24 16:29	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		08/02/24 07:42	08/05/24 16:29	1
NEtFOSA	<1.1		2.5	1.1	ng/L		08/02/24 07:42	08/05/24 16:29	1
NMeFOSA	<0.55		2.5	0.55	ng/L		08/02/24 07:42	08/05/24 16:29	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		08/02/24 07:42	08/05/24 16:29	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		08/02/24 07:42	08/05/24 16:29	1
NMeFOSE	<1.8		5.1	1.8	ng/L		08/02/24 07:42	08/05/24 16:29	1
NEtFOSE	<1.1		2.5	1.1	ng/L		08/02/24 07:42	08/05/24 16:29	1
4:2 FTS	<0.31		2.5	0.31	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>6:2 FTS</b>	<b>41</b>		6.4	3.2	ng/L		08/02/24 07:42	08/05/24 16:29	1
<b>8:2 FTS</b>	<b>3.1</b>		2.5	0.58	ng/L		08/02/24 07:42	08/05/24 16:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.5	0.51	ng/L		08/02/24 07:42	08/05/24 16:29	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		08/02/24 07:42	08/05/24 16:29	1
9Cl-PF3ONS	<0.31		2.5	0.31	ng/L		08/02/24 07:42	08/05/24 16:29	1
11Cl-PF3OUdS	<0.41		2.5	0.41	ng/L		08/02/24 07:42	08/05/24 16:29	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	100		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C5 PFPeA	97		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C2 PFHxA	104		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C4 PFHpA	103		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C4 PFOA	106		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C5 PFNA	109		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C2 PFDA	114		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C2 PFUnA	106		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C2 PFDoA	105		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C2 PFTeDA	98		25 - 150				08/02/24 07:42	08/05/24 16:29	1
13C3 PFBS	99		25 - 150				08/02/24 07:42	08/05/24 16:29	1
18O2 PFHxS	108		25 - 150				08/02/24 07:42	08/05/24 16:29	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(198-220)-202407**

**Lab Sample ID: 320-114250-4**

Date Collected: 07/31/24 10:45

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	107		25 - 150	08/02/24 07:42	08/05/24 16:29	1
13C8 FOSA	106		10 - 150	08/02/24 07:42	08/05/24 16:29	1
d3-NMeFOSAA	129		25 - 150	08/02/24 07:42	08/05/24 16:29	1
d5-NEtFOSAA	123		25 - 150	08/02/24 07:42	08/05/24 16:29	1
d-N-MeFOSA-M	85		10 - 150	08/02/24 07:42	08/05/24 16:29	1
d-N-EtFOSA-M	81		10 - 150	08/02/24 07:42	08/05/24 16:29	1
d7-N-MeFOSE-M	83		10 - 150	08/02/24 07:42	08/05/24 16:29	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 07:42	08/05/24 16:29	1
M2-4:2 FTS	106		25 - 150	08/02/24 07:42	08/05/24 16:29	1
M2-6:2 FTS	120		25 - 150	08/02/24 07:42	08/05/24 16:29	1
M2-8:2 FTS	113		25 - 150	08/02/24 07:42	08/05/24 16:29	1
13C3 HFPO-DA	106		25 - 150	08/02/24 07:42	08/05/24 16:29	1

**Client Sample ID: MP-01-(155-195)-202407**

**Lab Sample ID: 320-114250-5**

Date Collected: 07/31/24 11:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	310		6.2	3.0	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluoroheptanoic acid (PFHpA)	390		2.5	0.31	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorononanoic acid (PFNA)	46		2.5	0.33	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorodecanoic acid (PFDA)	5.7		2.5	0.38	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.90		2.5	0.90	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorobutanesulfonic acid (PFBS)	0.97	J	2.5	0.25	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	2.5	0.37	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorohexanesulfonic acid (PFHxS)	5.2		2.5	0.70	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.5	0.23	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorooctanesulfonic acid (PFOS)	12		2.5	0.66	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.5	0.39	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		08/02/24 07:42	08/05/24 16:43	1
Perfluorooctanesulfonamide (FOSA)	1.8	J	2.5	1.2	ng/L		08/02/24 07:42	08/05/24 16:43	1
NEtFOSA	<1.1		2.5	1.1	ng/L		08/02/24 07:42	08/05/24 16:43	1
NMeFOSA	<0.53		2.5	0.53	ng/L		08/02/24 07:42	08/05/24 16:43	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		08/02/24 07:42	08/05/24 16:43	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		08/02/24 07:42	08/05/24 16:43	1
NMeFOSE	<1.7		4.9	1.7	ng/L		08/02/24 07:42	08/05/24 16:43	1
NEtFOSE	<1.0		2.5	1.0	ng/L		08/02/24 07:42	08/05/24 16:43	1
4:2 FTS	53		2.5	0.30	ng/L		08/02/24 07:42	08/05/24 16:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.5	0.49	ng/L		08/02/24 07:42	08/05/24 16:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(155-195)-202407**

**Lab Sample ID: 320-114250-5**

Date Collected: 07/31/24 11:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		08/02/24 07:42	08/05/24 16:43	1
9Cl-PF3ONS	<0.30		2.5	0.30	ng/L		08/02/24 07:42	08/05/24 16:43	1
11Cl-PF3OUdS	<0.39		2.5	0.39	ng/L		08/02/24 07:42	08/05/24 16:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C4 PFHpA	112		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C5 PFNA	115		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C2 PFDA	119		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C2 PFUnA	113		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C2 PFDoA	122		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C2 PFTeDA	108		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C3 PFBS	109		25 - 150				08/02/24 07:42	08/05/24 16:43	1
18O2 PFHxS	116		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C4 PFOS	123		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C8 FOSA	115		10 - 150				08/02/24 07:42	08/05/24 16:43	1
d3-NMeFOSAA	131		25 - 150				08/02/24 07:42	08/05/24 16:43	1
d5-NEtFOSAA	132		25 - 150				08/02/24 07:42	08/05/24 16:43	1
d-N-MeFOSA-M	92		10 - 150				08/02/24 07:42	08/05/24 16:43	1
d-N-EtFOSA-M	83		10 - 150				08/02/24 07:42	08/05/24 16:43	1
d7-N-MeFOSE-M	102		10 - 150				08/02/24 07:42	08/05/24 16:43	1
d9-N-EtFOSE-M	103		10 - 150				08/02/24 07:42	08/05/24 16:43	1
M2-4:2 FTS	123		25 - 150				08/02/24 07:42	08/05/24 16:43	1
13C3 HFPO-DA	113		25 - 150				08/02/24 07:42	08/05/24 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1400		120	30	ng/L		08/02/24 07:42	08/06/24 17:50	50
Perfluorohexanoic acid (PFHxA)	1100		120	36	ng/L		08/02/24 07:42	08/06/24 17:50	50
Perfluorooctanoic acid (PFOA)	770		120	52	ng/L		08/02/24 07:42	08/06/24 17:50	50
8:2 FTS	760		120	28	ng/L		08/02/24 07:42	08/06/24 17:50	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	106		25 - 150				08/02/24 07:42	08/06/24 17:50	50
13C2 PFHxA	104		25 - 150				08/02/24 07:42	08/06/24 17:50	50
13C4 PFOA	106		25 - 150				08/02/24 07:42	08/06/24 17:50	50
M2-8:2 FTS	137		25 - 150				08/02/24 07:42	08/06/24 17:50	50

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	6400		620	310	ng/L		08/02/24 07:42	08/07/24 20:19	100
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	187	*5+	25 - 150				08/02/24 07:42	08/07/24 20:19	100

**Client Sample ID: MP-01-(121-152)-202407**

**Lab Sample ID: 320-114250-6**

Date Collected: 07/31/24 11:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	330		6.0	2.9	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluoroheptanoic acid (PFHpA)	430		2.4	0.30	ng/L		08/02/24 07:42	08/05/24 16:57	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(121-152)-202407**

**Lab Sample ID: 320-114250-6**

**Date Collected: 07/31/24 11:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	53		2.4	0.32	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorodecanoic acid (PFDA)	6.3		2.4	0.37	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.87		2.4	0.87	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorobutanesulfonic acid (PFBS)	0.86	J	2.4	0.24	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.64	J	2.4	0.36	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.4	0.68	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorooctanesulfonic acid (PFOS)	13		2.4	0.65	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluoronanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		08/02/24 07:42	08/05/24 16:57	1
Perfluorooctanesulfonamide (FOSA)	1.5	J	2.4	1.2	ng/L		08/02/24 07:42	08/05/24 16:57	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/02/24 07:42	08/05/24 16:57	1
NMeFOSA	<0.51		2.4	0.51	ng/L		08/02/24 07:42	08/05/24 16:57	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		08/02/24 07:42	08/05/24 16:57	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		08/02/24 07:42	08/05/24 16:57	1
NMeFOSE	<1.7		4.8	1.7	ng/L		08/02/24 07:42	08/05/24 16:57	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 07:42	08/05/24 16:57	1
4:2 FTS	50		2.4	0.29	ng/L		08/02/24 07:42	08/05/24 16:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		08/02/24 07:42	08/05/24 16:57	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		08/02/24 07:42	08/05/24 16:57	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		08/02/24 07:42	08/05/24 16:57	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		08/02/24 07:42	08/05/24 16:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C4 PFHpA	112		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C5 PFNA	115		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C2 PFDA	116		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C2 PFUnA	113		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C2 PFDoA	109		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C2 PFTeDA	99		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C3 PFBS	106		25 - 150				08/02/24 07:42	08/05/24 16:57	1
18O2 PFHxS	112		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C4 PFOS	112		25 - 150				08/02/24 07:42	08/05/24 16:57	1
13C8 FOSA	113		10 - 150				08/02/24 07:42	08/05/24 16:57	1
d3-NMeFOSAA	127		25 - 150				08/02/24 07:42	08/05/24 16:57	1
d5-NEtFOSAA	121		25 - 150				08/02/24 07:42	08/05/24 16:57	1
d-N-MeFOSA-M	98		10 - 150				08/02/24 07:42	08/05/24 16:57	1
d-N-EtFOSA-M	93		10 - 150				08/02/24 07:42	08/05/24 16:57	1
d7-N-MeFOSE-M	96		10 - 150				08/02/24 07:42	08/05/24 16:57	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(121-152)-202407**

**Lab Sample ID: 320-114250-6**

Date Collected: 07/31/24 11:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	95		10 - 150	08/02/24 07:42	08/05/24 16:57	1
M2-4:2 FTS	120		25 - 150	08/02/24 07:42	08/05/24 16:57	1
13C3 HFPO-DA	110		25 - 150	08/02/24 07:42	08/05/24 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1400		120	29	ng/L		08/02/24 07:42	08/06/24 18:02	50
Perfluorohexanoic acid (PFHxA)	1100		120	35	ng/L		08/02/24 07:42	08/06/24 18:02	50
Perfluorooctanoic acid (PFOA)	770		120	51	ng/L		08/02/24 07:42	08/06/24 18:02	50
8:2 FTS	1300		120	28	ng/L		08/02/24 07:42	08/06/24 18:02	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	108		25 - 150	08/02/24 07:42	08/06/24 18:02	50
13C2 PFHxA	101		25 - 150	08/02/24 07:42	08/06/24 18:02	50
13C4 PFOA	107		25 - 150	08/02/24 07:42	08/06/24 18:02	50
M2-8:2 FTS	90		25 - 150	08/02/24 07:42	08/06/24 18:02	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	7100		300	150	ng/L		08/02/24 07:42	08/07/24 20:33	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	168	*5+	25 - 150	08/02/24 07:42	08/07/24 20:33	50

**Client Sample ID: MP-01-(091-118)-202407**

**Lab Sample ID: 320-114250-7**

Date Collected: 07/31/24 11:25

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	430		5.5	2.6	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorononanoic acid (PFNA)	120		2.2	0.30	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorodecanoic acid (PFDA)	24		2.2	0.34	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorobutanesulfonic acid (PFBS)	0.78	J	2.2	0.22	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	2.2	0.33	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorohexanesulfonic acid (PFHxS)	5.3		2.2	0.62	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorooctanesulfonic acid (PFOS)	28		2.2	0.59	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 01:57	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 11:54	08/06/24 01:57	1
NEtFOSA	<0.95		2.2	0.95	ng/L		08/02/24 11:54	08/06/24 01:57	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(091-118)-202407**

**Lab Sample ID: 320-114250-7**

Date Collected: 07/31/24 11:25

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 11:54	08/06/24 01:57	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 11:54	08/06/24 01:57	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 11:54	08/06/24 01:57	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 11:54	08/06/24 01:57	1
NEtFOSE	<0.93		2.2	0.93	ng/L		08/02/24 11:54	08/06/24 01:57	1
<b>4:2 FTS</b>	<b>61</b>		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 01:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 11:54	08/06/24 01:57	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		08/02/24 11:54	08/06/24 01:57	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 01:57	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 01:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	118		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C5 PFNA	132		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C2 PFDA	129		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C2 PFUnA	122		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C2 PFDoA	138		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C2 PFTeDA	109		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C3 PFBS	115		25 - 150	08/02/24 11:54	08/06/24 01:57	1
18O2 PFHxS	132		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C4 PFOS	122		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C8 FOSA	122		10 - 150	08/02/24 11:54	08/06/24 01:57	1
d3-NMeFOSAA	120		25 - 150	08/02/24 11:54	08/06/24 01:57	1
d5-NEtFOSAA	120		25 - 150	08/02/24 11:54	08/06/24 01:57	1
d-N-MeFOSA-M	122		10 - 150	08/02/24 11:54	08/06/24 01:57	1
d-N-EtFOSA-M	119		10 - 150	08/02/24 11:54	08/06/24 01:57	1
d7-N-MeFOSE-M	107		10 - 150	08/02/24 11:54	08/06/24 01:57	1
d9-N-EtFOSE-M	118		10 - 150	08/02/24 11:54	08/06/24 01:57	1
M2-4:2 FTS	143		25 - 150	08/02/24 11:54	08/06/24 01:57	1
13C3 HFPO-DA	125		25 - 150	08/02/24 11:54	08/06/24 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	2400		110	27	ng/L		08/02/24 11:54	08/06/24 20:33	50
Perfluorohexanoic acid (PFHxA)	1500		110	32	ng/L		08/02/24 11:54	08/06/24 20:33	50
Perfluoroheptanoic acid (PFHpA)	690		110	14	ng/L		08/02/24 11:54	08/06/24 20:33	50
Perfluorooctanoic acid (PFOA)	1500		110	47	ng/L		08/02/24 11:54	08/06/24 20:33	50
<b>8:2 FTS</b>	<b>2400</b>		110	25	ng/L		08/02/24 11:54	08/06/24 20:33	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	93		25 - 150	08/02/24 11:54	08/06/24 20:33	50
13C2 PFHxA	97		25 - 150	08/02/24 11:54	08/06/24 20:33	50
13C4 PFHpA	100		25 - 150	08/02/24 11:54	08/06/24 20:33	50
13C4 PFOA	96		25 - 150	08/02/24 11:54	08/06/24 20:33	50
M2-8:2 FTS	113		25 - 150	08/02/24 11:54	08/06/24 20:33	50

**Method: EPA 537 (modified) - Fluorinated Alkyl Substances - DL2**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>6:2 FTS</b>	<b>5400</b>		550	270	ng/L		08/02/24 11:54	08/07/24 19:23	100

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(091-118)-202407**

**Lab Sample ID: 320-114250-7**

Date Collected: 07/31/24 11:25

Matrix: Water

Date Received: 08/01/24 08:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	259	*5+	25 - 150	08/02/24 11:54	08/07/24 19:23	100

**Client Sample ID: MP-01-(051-088)-202407**

**Lab Sample ID: 320-114250-8**

Date Collected: 07/31/24 11:35

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	410		6.1	2.9	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorononanoic acid (PFNA)	69		2.4	0.33	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorodecanoic acid (PFDA)	13		2.4	0.38	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorododecanoic acid (PFDoA)	<0.67		2.4	0.67	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.89		2.4	0.89	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorobutanesulfonic acid (PFBS)	0.77	J	2.4	0.24	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluoropentanesulfonic acid (PFPeS)	0.43	J	2.4	0.36	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.4	0.69	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorooctanesulfonic acid (PFOS)	12		2.4	0.66	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2	*1	2.4	1.2	ng/L		08/02/24 11:54	08/06/24 02:10	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/02/24 11:54	08/06/24 02:10	1
NEtFOSA	<1.1		2.4	1.1	ng/L		08/02/24 11:54	08/06/24 02:10	1
NMeFOSA	<0.52		2.4	0.52	ng/L		08/02/24 11:54	08/06/24 02:10	1
NMeFOSAA	<1.5		6.1	1.5	ng/L		08/02/24 11:54	08/06/24 02:10	1
NEtFOSAA	<1.6		6.1	1.6	ng/L		08/02/24 11:54	08/06/24 02:10	1
NMeFOSE	<1.7		4.9	1.7	ng/L		08/02/24 11:54	08/06/24 02:10	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 11:54	08/06/24 02:10	1
4:2 FTS	37		2.4	0.29	ng/L		08/02/24 11:54	08/06/24 02:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.4	0.49	ng/L		08/02/24 11:54	08/06/24 02:10	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		08/02/24 11:54	08/06/24 02:10	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		08/02/24 11:54	08/06/24 02:10	1
11Cl-PF3OUdS	<0.39		2.4	0.39	ng/L		08/02/24 11:54	08/06/24 02:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C5 PFNA	113		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C2 PFDA	124		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C2 PFUnA	121		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C2 PFDoA	135		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C2 PFTeDA	117		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C3 PFBS	103		25 - 150	08/02/24 11:54	08/06/24 02:10	1
18O2 PFHxS	120		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C4 PFOS	116		25 - 150	08/02/24 11:54	08/06/24 02:10	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(051-088)-202407**

**Lab Sample ID: 320-114250-8**

Date Collected: 07/31/24 11:35

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	117		10 - 150	08/02/24 11:54	08/06/24 02:10	1
d3-NMeFOSAA	113		25 - 150	08/02/24 11:54	08/06/24 02:10	1
d5-NEtFOSAA	118		25 - 150	08/02/24 11:54	08/06/24 02:10	1
d-N-MeFOSA-M	96		10 - 150	08/02/24 11:54	08/06/24 02:10	1
d-N-EtFOSA-M	106		10 - 150	08/02/24 11:54	08/06/24 02:10	1
d7-N-MeFOSE-M	86		10 - 150	08/02/24 11:54	08/06/24 02:10	1
d9-N-EtFOSE-M	105		10 - 150	08/02/24 11:54	08/06/24 02:10	1
M2-4:2 FTS	119		25 - 150	08/02/24 11:54	08/06/24 02:10	1
13C3 HFPO-DA	112		25 - 150	08/02/24 11:54	08/06/24 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1800		120	30	ng/L		08/02/24 11:54	08/06/24 20:45	50
Perfluorohexanoic acid (PFHxA)	1200		120	35	ng/L		08/02/24 11:54	08/06/24 20:45	50
Perfluoroheptanoic acid (PFHpA)	720		120	15	ng/L		08/02/24 11:54	08/06/24 20:45	50
Perfluorooctanoic acid (PFOA)	1100		120	52	ng/L		08/02/24 11:54	08/06/24 20:45	50
6:2 FTS	6000		300	150	ng/L		08/02/24 11:54	08/06/24 20:45	50
8:2 FTS	1700		120	28	ng/L		08/02/24 11:54	08/06/24 20:45	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	91		25 - 150	08/02/24 11:54	08/06/24 20:45	50
13C2 PFHxA	93		25 - 150	08/02/24 11:54	08/06/24 20:45	50
13C4 PFHpA	93		25 - 150	08/02/24 11:54	08/06/24 20:45	50
13C4 PFOA	94		25 - 150	08/02/24 11:54	08/06/24 20:45	50
M2-6:2 FTS	157	*5+	25 - 150	08/02/24 11:54	08/06/24 20:45	50
M2-8:2 FTS	102		25 - 150	08/02/24 11:54	08/06/24 20:45	50

**Client Sample ID: MP-02-(279-300)-202407**

**Lab Sample ID: 320-114250-9**

Date Collected: 07/31/24 08:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.9		6.0	2.9	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluoropentanoic acid (PFPeA)	<0.58		2.4	0.58	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorohexanoic acid (PFHxA)	<0.69		2.4	0.69	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluoroheptanoic acid (PFHpA)	<0.30		2.4	0.30	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorononanoic acid (PFNA)	<0.32		2.4	0.32	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.4	1.5	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.87		2.4	0.87	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.68		2.4	0.68	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.64		2.4	0.64	ng/L		08/02/24 11:54	08/06/24 02:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(279-300)-202407**

**Lab Sample ID: 320-114250-9**

Date Collected: 07/31/24 08:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2	*1	2.4	1.2	ng/L		08/02/24 11:54	08/06/24 02:22	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/02/24 11:54	08/06/24 02:22	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/02/24 11:54	08/06/24 02:22	1
NMeFOSA	<0.51		2.4	0.51	ng/L		08/02/24 11:54	08/06/24 02:22	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		08/02/24 11:54	08/06/24 02:22	1
NEtFOSAA	<1.5		6.0	1.5	ng/L		08/02/24 11:54	08/06/24 02:22	1
NMeFOSE	<1.7		4.8	1.7	ng/L		08/02/24 11:54	08/06/24 02:22	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 11:54	08/06/24 02:22	1
4:2 FTS	<0.29		2.4	0.29	ng/L		08/02/24 11:54	08/06/24 02:22	1
6:2 FTS	<3.0		6.0	3.0	ng/L		08/02/24 11:54	08/06/24 02:22	1
8:2 FTS	<0.55		2.4	0.55	ng/L		08/02/24 11:54	08/06/24 02:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		08/02/24 11:54	08/06/24 02:22	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		08/02/24 11:54	08/06/24 02:22	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		08/02/24 11:54	08/06/24 02:22	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		08/02/24 11:54	08/06/24 02:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C5 PFPeA	91		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C2 PFHxA	96		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C4 PFHpA	98		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C4 PFOA	97		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C5 PFNA	100		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C2 PFDA	94		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C2 PFUnA	90		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C2 PFDoA	96		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C2 PFTeDA	86		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C3 PFBS	88		25 - 150				08/02/24 11:54	08/06/24 02:22	1
18O2 PFHxS	101		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C4 PFOS	92		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C8 FOSA	92		10 - 150				08/02/24 11:54	08/06/24 02:22	1
d3-NMeFOSAA	90		25 - 150				08/02/24 11:54	08/06/24 02:22	1
d5-NEtFOSAA	85		25 - 150				08/02/24 11:54	08/06/24 02:22	1
d-N-MeFOSA-M	88		10 - 150				08/02/24 11:54	08/06/24 02:22	1
d-N-EtFOSA-M	89		10 - 150				08/02/24 11:54	08/06/24 02:22	1
d7-N-MeFOSE-M	81		10 - 150				08/02/24 11:54	08/06/24 02:22	1
d9-N-EtFOSE-M	90		10 - 150				08/02/24 11:54	08/06/24 02:22	1
M2-4:2 FTS	102		25 - 150				08/02/24 11:54	08/06/24 02:22	1
M2-6:2 FTS	104		25 - 150				08/02/24 11:54	08/06/24 02:22	1
M2-8:2 FTS	86		25 - 150				08/02/24 11:54	08/06/24 02:22	1
13C3 HFPO-DA	97		25 - 150				08/02/24 11:54	08/06/24 02:22	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(253-276)-202407**

**Lab Sample ID: 320-114250-10**

**Date Collected: 07/31/24 08:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95 *1		2.0	0.95	ng/L		08/02/24 11:54	08/06/24 02:35	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/02/24 11:54	08/06/24 02:35	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/02/24 11:54	08/06/24 02:35	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/02/24 11:54	08/06/24 02:35	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 11:54	08/06/24 02:35	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 11:54	08/06/24 02:35	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 11:54	08/06/24 02:35	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/02/24 11:54	08/06/24 02:35	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 02:35	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/02/24 11:54	08/06/24 02:35	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/02/24 11:54	08/06/24 02:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/02/24 11:54	08/06/24 02:35	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 11:54	08/06/24 02:35	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 02:35	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 02:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C5 PFPeA	100		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C2 PFHxA	100		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C4 PFHpA	102		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C4 PFOA	108		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C5 PFNA	109		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C2 PFDA	112		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C2 PFUnA	103		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C2 PFDoA	106		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C2 PFTeDA	97		25 - 150				08/02/24 11:54	08/06/24 02:35	1
13C3 PFBS	90		25 - 150				08/02/24 11:54	08/06/24 02:35	1
18O2 PFHxS	104		25 - 150				08/02/24 11:54	08/06/24 02:35	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(253-276)-202407**

**Lab Sample ID: 320-114250-10**

**Date Collected: 07/31/24 08:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

**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	08/02/24 11:54	08/06/24 02:35	1
13C8 FOSA	98		10 - 150	08/02/24 11:54	08/06/24 02:35	1
d3-NMeFOSAA	100		25 - 150	08/02/24 11:54	08/06/24 02:35	1
d5-NEtFOSAA	106		25 - 150	08/02/24 11:54	08/06/24 02:35	1
d-N-MeFOSA-M	78		10 - 150	08/02/24 11:54	08/06/24 02:35	1
d-N-EtFOSA-M	90		10 - 150	08/02/24 11:54	08/06/24 02:35	1
d7-N-MeFOSE-M	74		10 - 150	08/02/24 11:54	08/06/24 02:35	1
d9-N-EtFOSE-M	94		10 - 150	08/02/24 11:54	08/06/24 02:35	1
M2-4:2 FTS	116		25 - 150	08/02/24 11:54	08/06/24 02:35	1
M2-6:2 FTS	114		25 - 150	08/02/24 11:54	08/06/24 02:35	1
M2-8:2 FTS	146		25 - 150	08/02/24 11:54	08/06/24 02:35	1
13C3 HFPO-DA	101		25 - 150	08/02/24 11:54	08/06/24 02:35	1

**Client Sample ID: MP-02-(223-250)-202407**

**Lab Sample ID: 320-114250-11**

**Date Collected: 07/31/24 08:45**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/02/24 08:48	08/05/24 15:05	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/02/24 08:48	08/05/24 15:05	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/02/24 08:48	08/05/24 15:05	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/02/24 08:48	08/05/24 15:05	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 08:48	08/05/24 15:05	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 08:48	08/05/24 15:05	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 08:48	08/05/24 15:05	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/02/24 08:48	08/05/24 15:05	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/05/24 15:05	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/02/24 08:48	08/05/24 15:05	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/02/24 08:48	08/05/24 15:05	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(223-250)-202407**

**Lab Sample ID: 320-114250-11**

Date Collected: 07/31/24 08:45

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/02/24 08:48	08/05/24 15:05	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 08:48	08/05/24 15:05	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/05/24 15:05	1
11CI-PF3OUdS	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/05/24 15:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C5 PFPeA	92		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C2 PFHxA	96		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C4 PFHpA	99		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C4 PFOA	98		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C5 PFNA	109		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C2 PFDA	107		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C2 PFUnA	102		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C2 PFDoA	104		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C2 PFTeDA	106		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C3 PFBS	87		25 - 150				08/02/24 08:48	08/05/24 15:05	1
18O2 PFHxS	98		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C4 PFOS	97		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C8 FOSA	98		10 - 150				08/02/24 08:48	08/05/24 15:05	1
d3-NMeFOSAA	106		25 - 150				08/02/24 08:48	08/05/24 15:05	1
d5-NEtFOSAA	105		25 - 150				08/02/24 08:48	08/05/24 15:05	1
d-N-MeFOSA-M	70		10 - 150				08/02/24 08:48	08/05/24 15:05	1
d-N-EtFOSA-M	76		10 - 150				08/02/24 08:48	08/05/24 15:05	1
d7-N-MeFOSE-M	66		10 - 150				08/02/24 08:48	08/05/24 15:05	1
d9-N-EtFOSE-M	90		10 - 150				08/02/24 08:48	08/05/24 15:05	1
M2-4:2 FTS	113		25 - 150				08/02/24 08:48	08/05/24 15:05	1
M2-6:2 FTS	115		25 - 150				08/02/24 08:48	08/05/24 15:05	1
M2-8:2 FTS	140		25 - 150				08/02/24 08:48	08/05/24 15:05	1
13C3 HFPO-DA	97		25 - 150				08/02/24 08:48	08/05/24 15:05	1

**Client Sample ID: MP-02-(198-220)-202407**

**Lab Sample ID: 320-114250-12**

Date Collected: 07/31/24 08:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	37		5.7	2.7	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluoropentanoic acid (PFPeA)	180		2.3	0.56	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorohexanoic acid (PFHxA)	110		2.3	0.66	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluoroheptanoic acid (PFHpA)	42		2.3	0.28	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorooctanoic acid (PFOA)	47		2.3	0.96	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorononanoic acid (PFNA)	3.5		2.3	0.31	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorobutanesulfonic acid (PFBS)	0.23 J		2.3	0.23	ng/L		08/02/24 08:48	08/03/24 01:44	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(198-220)-202407**

**Lab Sample ID: 320-114250-12**

**Date Collected: 07/31/24 08:55**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		08/02/24 08:48	08/03/24 01:44	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.67</b>	<b>J</b>	2.3	0.65	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		08/02/24 08:48	08/03/24 01:44	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.1</b>	<b>J</b>	2.3	0.61	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 01:44	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 01:44	1
NEtFOSA	<0.99		2.3	0.99	ng/L		08/02/24 08:48	08/03/24 01:44	1
NMeFOSA	<0.49		2.3	0.49	ng/L		08/02/24 08:48	08/03/24 01:44	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		08/02/24 08:48	08/03/24 01:44	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		08/02/24 08:48	08/03/24 01:44	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 08:48	08/03/24 01:44	1
NEtFOSE	<0.96		2.3	0.96	ng/L		08/02/24 08:48	08/03/24 01:44	1
<b>4:2 FTS</b>	<b>5.6</b>		2.3	0.27	ng/L		08/02/24 08:48	08/03/24 01:44	1
<b>8:2 FTS</b>	<b>34</b>		2.3	0.52	ng/L		08/02/24 08:48	08/03/24 01:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		08/02/24 08:48	08/03/24 01:44	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 08:48	08/03/24 01:44	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		08/02/24 08:48	08/03/24 01:44	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/03/24 01:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C5 PFPeA	95		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C2 PFHxA	99		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C4 PFHpA	98		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C4 PFOA	101		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C5 PFNA	102		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C2 PFDA	99		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C2 PFUnA	90		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C2 PFDoA	95		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C2 PFTeDA	89		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C3 PFBS	88		25 - 150	08/02/24 08:48	08/03/24 01:44	1
18O2 PFHxS	102		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C4 PFOS	99		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C8 FOSA	92		10 - 150	08/02/24 08:48	08/03/24 01:44	1
d3-NMeFOSAA	81		25 - 150	08/02/24 08:48	08/03/24 01:44	1
d5-NEtFOSAA	83		25 - 150	08/02/24 08:48	08/03/24 01:44	1
d-N-MeFOSA-M	86		10 - 150	08/02/24 08:48	08/03/24 01:44	1
d-N-EtFOSA-M	83		10 - 150	08/02/24 08:48	08/03/24 01:44	1
d7-N-MeFOSE-M	87		10 - 150	08/02/24 08:48	08/03/24 01:44	1
d9-N-EtFOSE-M	104		10 - 150	08/02/24 08:48	08/03/24 01:44	1
M2-4:2 FTS	103		25 - 150	08/02/24 08:48	08/03/24 01:44	1
M2-8:2 FTS	105		25 - 150	08/02/24 08:48	08/03/24 01:44	1
13C3 HFPO-DA	94		25 - 150	08/02/24 08:48	08/03/24 01:44	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(198-220)-202407**

**Lab Sample ID: 320-114250-12**

Date Collected: 07/31/24 08:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>6:2 FTS</b>	<b>730</b>		28	14	ng/L		08/02/24 08:48	08/05/24 15:43	5
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
M2-6:2 FTS	107		25 - 150				08/02/24 08:48	08/05/24 15:43	5

**Client Sample ID: MP-02-(153-195)-202407**

**Lab Sample ID: 320-114250-13**

Date Collected: 07/31/24 09:30

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>76</b>		5.4	2.6	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>320</b>		2.1	0.52	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>180</b>		2.1	0.62	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>93</b>		2.1	0.27	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>110</b>		2.1	0.91	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>11</b>		2.1	0.29	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>2.3</b>		2.1	0.33	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.38 J</b>		2.1	0.21	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.86 J</b>		2.1	0.61	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>3.4</b>		2.1	0.58	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 01:57	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 01:57	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/02/24 08:48	08/03/24 01:57	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 08:48	08/03/24 01:57	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 08:48	08/03/24 01:57	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 08:48	08/03/24 01:57	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>NEtFOSE</b>	<b>1.1 J</b>		2.1	0.91	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>4:2 FTS</b>	<b>4.8</b>		2.1	0.26	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>8:2 FTS</b>	<b>320</b>		2.1	0.49	ng/L		08/02/24 08:48	08/03/24 01:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/02/24 08:48	08/03/24 01:57	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 08:48	08/03/24 01:57	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		08/02/24 08:48	08/03/24 01:57	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 01:57	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<sup>13</sup> C4 PFBA	91		25 - 150				08/02/24 08:48	08/03/24 01:57	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(153-195)-202407**

**Lab Sample ID: 320-114250-13**

Date Collected: 07/31/24 09:30

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	93		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C2 PFHxA	104		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C4 PFHpA	103		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C4 PFOA	100		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C5 PFNA	100		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C2 PFDA	107		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C2 PFUnA	99		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C2 PFDoA	109		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C2 PFTeDA	91		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C3 PFBS	87		25 - 150	08/02/24 08:48	08/03/24 01:57	1
18O2 PFHxS	101		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C4 PFOS	102		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C8 FOSA	98		10 - 150	08/02/24 08:48	08/03/24 01:57	1
d3-NMeFOSAA	99		25 - 150	08/02/24 08:48	08/03/24 01:57	1
d5-NEtFOSAA	95		25 - 150	08/02/24 08:48	08/03/24 01:57	1
d-N-MeFOSA-M	79		10 - 150	08/02/24 08:48	08/03/24 01:57	1
d-N-EtFOSA-M	84		10 - 150	08/02/24 08:48	08/03/24 01:57	1
d7-N-MeFOSE-M	71		10 - 150	08/02/24 08:48	08/03/24 01:57	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 08:48	08/03/24 01:57	1
M2-4:2 FTS	100		25 - 150	08/02/24 08:48	08/03/24 01:57	1
M2-8:2 FTS	144		25 - 150	08/02/24 08:48	08/03/24 01:57	1
13C3 HFPO-DA	99		25 - 150	08/02/24 08:48	08/03/24 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1300		27	13	ng/L		08/02/24 08:48	08/05/24 15:55	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	118		25 - 150	08/02/24 08:48	08/05/24 15:55	5			

**Client Sample ID: MP-03-(280-300)-202407**

**Lab Sample ID: 320-114250-14**

Date Collected: 07/30/24 13:35

Matrix: Water

Date Received: 08/01/24 08:45

**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		08/02/24 08:48	08/05/24 15:18	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/02/24 08:48	08/05/24 15:18	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(280-300)-202407**

**Lab Sample ID: 320-114250-14**

**Date Collected: 07/30/24 13:35**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

**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		08/02/24 08:48	08/05/24 15:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/02/24 08:48	08/05/24 15:18	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/02/24 08:48	08/05/24 15:18	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/02/24 08:48	08/05/24 15:18	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/02/24 08:48	08/05/24 15:18	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/02/24 08:48	08/05/24 15:18	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/02/24 08:48	08/05/24 15:18	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 08:48	08/05/24 15:18	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/02/24 08:48	08/05/24 15:18	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 08:48	08/05/24 15:18	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/02/24 08:48	08/05/24 15:18	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/02/24 08:48	08/05/24 15:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/02/24 08:48	08/05/24 15:18	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 08:48	08/05/24 15:18	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 08:48	08/05/24 15:18	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/02/24 08:48	08/05/24 15:18	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	93		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C5 PFPeA	98		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C2 PFHxA	101		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C4 PFHpA	104		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C4 PFOA	105		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C5 PFNA	109		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C2 PFDA	115		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C2 PFUnA	107		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C2 PFDoA	106		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C2 PFTeDA	106		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C3 PFBS	90		25 - 150				08/02/24 08:48	08/05/24 15:18	1
18O2 PFHxS	104		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C4 PFOS	100		25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C8 FOSA	99		10 - 150				08/02/24 08:48	08/05/24 15:18	1
d3-NMeFOSAA	92		25 - 150				08/02/24 08:48	08/05/24 15:18	1
d5-NEtFOSAA	105		25 - 150				08/02/24 08:48	08/05/24 15:18	1
d-N-MeFOSA-M	56		10 - 150				08/02/24 08:48	08/05/24 15:18	1
d-N-EtFOSA-M	84		10 - 150				08/02/24 08:48	08/05/24 15:18	1
d7-N-MeFOSE-M	58		10 - 150				08/02/24 08:48	08/05/24 15:18	1
d9-N-EtFOSE-M	92		10 - 150				08/02/24 08:48	08/05/24 15:18	1
M2-4:2 FTS	121		25 - 150				08/02/24 08:48	08/05/24 15:18	1
M2-6:2 FTS	111		25 - 150				08/02/24 08:48	08/05/24 15:18	1
M2-8:2 FTS	161	*5+	25 - 150				08/02/24 08:48	08/05/24 15:18	1
13C3 HFPO-DA	97		25 - 150				08/02/24 08:48	08/05/24 15:18	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(245-277)-202407**

**Lab Sample ID: 320-114250-15**

**Date Collected: 07/30/24 13:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<3.0		6.2	3.0	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluoropentanoic acid (PFPeA)	<0.61		2.5	0.61	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorohexanoic acid (PFHxA)	<0.72		2.5	0.72	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorooctanoic acid (PFOA)	<1.0		2.5	1.0	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorononanoic acid (PFNA)	<0.33		2.5	0.33	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorodecanoic acid (PFDA)	<0.38		2.5	0.38	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.90		2.5	0.90	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.25		2.5	0.25	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.70		2.5	0.70	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.5	0.23	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.40		2.5	0.40	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		08/02/24 08:48	08/03/24 02:22	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		08/02/24 08:48	08/03/24 02:22	1
NEtFOSA	<1.1		2.5	1.1	ng/L		08/02/24 08:48	08/03/24 02:22	1
NMeFOSA	<0.53		2.5	0.53	ng/L		08/02/24 08:48	08/03/24 02:22	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		08/02/24 08:48	08/03/24 02:22	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		08/02/24 08:48	08/03/24 02:22	1
<b>NMeFOSE</b>	<b>2.2</b>	<b>J</b>	4.9	1.7	ng/L		08/02/24 08:48	08/03/24 02:22	1
<b>NEtFOSE</b>	<b>2.8</b>		2.5	1.0	ng/L		08/02/24 08:48	08/03/24 02:22	1
4:2 FTS	<0.30		2.5	0.30	ng/L		08/02/24 08:48	08/03/24 02:22	1
6:2 FTS	<3.1		6.2	3.1	ng/L		08/02/24 08:48	08/03/24 02:22	1
8:2 FTS	<0.57		2.5	0.57	ng/L		08/02/24 08:48	08/03/24 02:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.5	0.49	ng/L		08/02/24 08:48	08/03/24 02:22	1
HFPO-DA (GenX)	<1.9		4.9	1.9	ng/L		08/02/24 08:48	08/03/24 02:22	1
9Cl-PF3ONS	<0.30		2.5	0.30	ng/L		08/02/24 08:48	08/03/24 02:22	1
11Cl-PF3OUdS	<0.40		2.5	0.40	ng/L		08/02/24 08:48	08/03/24 02:22	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	95		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C5 PFPeA	97		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C2 PFHxA	99		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C4 PFHpA	107		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C4 PFOA	102		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C5 PFNA	104		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C2 PFDA	103		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C2 PFUnA	94		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C2 PFDoA	102		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C2 PFTeDA	97		25 - 150				08/02/24 08:48	08/03/24 02:22	1
13C3 PFBS	93		25 - 150				08/02/24 08:48	08/03/24 02:22	1
18O2 PFHxS	110		25 - 150				08/02/24 08:48	08/03/24 02:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(245-277)-202407**

**Lab Sample ID: 320-114250-15**

Date Collected: 07/30/24 13:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	102		25 - 150	08/02/24 08:48	08/03/24 02:22	1
13C8 FOSA	103		10 - 150	08/02/24 08:48	08/03/24 02:22	1
d3-NMeFOSAA	90		25 - 150	08/02/24 08:48	08/03/24 02:22	1
d5-NEtFOSAA	85		25 - 150	08/02/24 08:48	08/03/24 02:22	1
d-N-MeFOSA-M	88		10 - 150	08/02/24 08:48	08/03/24 02:22	1
d-N-EtFOSA-M	82		10 - 150	08/02/24 08:48	08/03/24 02:22	1
d7-N-MeFOSE-M	82		10 - 150	08/02/24 08:48	08/03/24 02:22	1
d9-N-EtFOSE-M	91		10 - 150	08/02/24 08:48	08/03/24 02:22	1
M2-4:2 FTS	107		25 - 150	08/02/24 08:48	08/03/24 02:22	1
M2-6:2 FTS	113		25 - 150	08/02/24 08:48	08/03/24 02:22	1
M2-8:2 FTS	109		25 - 150	08/02/24 08:48	08/03/24 02:22	1
13C3 HFPO-DA	94		25 - 150	08/02/24 08:48	08/03/24 02:22	1

**Client Sample ID: MP-03-(220-242)-202407**

**Lab Sample ID: 320-114250-16**

Date Collected: 07/30/24 13:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.5	2.6	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorooctanoic acid (PFOA)	<0.94		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 02:35	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 02:35	1
NEtFOSA	<0.96		2.2	0.96	ng/L		08/02/24 08:48	08/03/24 02:35	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 08:48	08/03/24 02:35	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 08:48	08/03/24 02:35	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 08:48	08/03/24 02:35	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 08:48	08/03/24 02:35	1
NEtFOSE	<0.94		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 02:35	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 02:35	1
6:2 FTS	<2.8		5.5	2.8	ng/L		08/02/24 08:48	08/03/24 02:35	1
8:2 FTS	<0.51		2.2	0.51	ng/L		08/02/24 08:48	08/03/24 02:35	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(220-242)-202407**

**Lab Sample ID: 320-114250-16**

Date Collected: 07/30/24 13:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 08:48	08/03/24 02:35	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		08/02/24 08:48	08/03/24 02:35	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 02:35	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 02:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C5 PFPeA	99		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C2 PFHxA	101		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C4 PFHpA	103		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C4 PFOA	102		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C5 PFNA	113		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C2 PFDA	108		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C2 PFUnA	99		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C2 PFDoA	116		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C2 PFTeDA	101		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C3 PFBS	91		25 - 150				08/02/24 08:48	08/03/24 02:35	1
18O2 PFHxS	109		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C4 PFOS	107		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C8 FOSA	102		10 - 150				08/02/24 08:48	08/03/24 02:35	1
d3-NMeFOSAA	101		25 - 150				08/02/24 08:48	08/03/24 02:35	1
d5-NEtFOSAA	93		25 - 150				08/02/24 08:48	08/03/24 02:35	1
d-N-MeFOSA-M	82		10 - 150				08/02/24 08:48	08/03/24 02:35	1
d-N-EtFOSA-M	83		10 - 150				08/02/24 08:48	08/03/24 02:35	1
d7-N-MeFOSE-M	79		10 - 150				08/02/24 08:48	08/03/24 02:35	1
d9-N-EtFOSE-M	94		10 - 150				08/02/24 08:48	08/03/24 02:35	1
M2-4:2 FTS	112		25 - 150				08/02/24 08:48	08/03/24 02:35	1
M2-6:2 FTS	102		25 - 150				08/02/24 08:48	08/03/24 02:35	1
M2-8:2 FTS	147		25 - 150				08/02/24 08:48	08/03/24 02:35	1
13C3 HFPO-DA	95		25 - 150				08/02/24 08:48	08/03/24 02:35	1

**Client Sample ID: MP-03-(190-217)-202407**

**Lab Sample ID: 320-114250-17**

Date Collected: 07/30/24 14:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluoropentanoic acid (PFPeA)	1.6	J	2.3	0.55	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorohexanoic acid (PFHxA)	1.2	J	2.3	0.65	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluoroheptanoic acid (PFHpA)	0.48	J	2.3	0.28	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorooctanoic acid (PFOA)	<0.96		2.3	0.96	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorononanoic acid (PFNA)	<0.30		2.3	0.30	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		08/02/24 08:48	08/03/24 03:12	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(190-217)-202407**

**Lab Sample ID: 320-114250-17**

**Date Collected: 07/30/24 14:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.3	0.64	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.3	0.61	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 03:12	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 03:12	1
NEtFOSA	<0.98		2.3	0.98	ng/L		08/02/24 08:48	08/03/24 03:12	1
NMeFOSA	<0.49		2.3	0.49	ng/L		08/02/24 08:48	08/03/24 03:12	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		08/02/24 08:48	08/03/24 03:12	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		08/02/24 08:48	08/03/24 03:12	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 08:48	08/03/24 03:12	1
NEtFOSE	<0.96		2.3	0.96	ng/L		08/02/24 08:48	08/03/24 03:12	1
4:2 FTS	<0.27		2.3	0.27	ng/L		08/02/24 08:48	08/03/24 03:12	1
<b>6:2 FTS</b>	<b>8.3</b>		5.6	2.8	ng/L		08/02/24 08:48	08/03/24 03:12	1
<b>8:2 FTS</b>	<b>0.60</b>	<b>J I</b>	2.3	0.52	ng/L		08/02/24 08:48	08/03/24 03:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		08/02/24 08:48	08/03/24 03:12	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 08:48	08/03/24 03:12	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		08/02/24 08:48	08/03/24 03:12	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/03/24 03:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C5 PFPeA	98		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C2 PFHxA	98		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C4 PFHpA	104		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C4 PFOA	103		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C5 PFNA	103		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C2 PFDA	96		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C2 PFUnA	101		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C2 PFDoA	99		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C2 PFTeDA	95		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C3 PFBS	84		25 - 150	08/02/24 08:48	08/03/24 03:12	1
18O2 PFHxS	101		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C4 PFOS	93		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C8 FOSA	96		10 - 150	08/02/24 08:48	08/03/24 03:12	1
d3-NMeFOSAA	85		25 - 150	08/02/24 08:48	08/03/24 03:12	1
d5-NEtFOSAA	87		25 - 150	08/02/24 08:48	08/03/24 03:12	1
d-N-MeFOSA-M	78		10 - 150	08/02/24 08:48	08/03/24 03:12	1
d-N-EtFOSA-M	69		10 - 150	08/02/24 08:48	08/03/24 03:12	1
d7-N-MeFOSE-M	79		10 - 150	08/02/24 08:48	08/03/24 03:12	1
d9-N-EtFOSE-M	88		10 - 150	08/02/24 08:48	08/03/24 03:12	1
M2-4:2 FTS	99		25 - 150	08/02/24 08:48	08/03/24 03:12	1
M2-6:2 FTS	105		25 - 150	08/02/24 08:48	08/03/24 03:12	1
M2-8:2 FTS	98		25 - 150	08/02/24 08:48	08/03/24 03:12	1
13C3 HFPO-DA	96		25 - 150	08/02/24 08:48	08/03/24 03:12	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(160-187)-202407**

**Lab Sample ID: 320-114250-18**

Date Collected: 07/30/24 14:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		5.0	2.4	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluoropentanoic acid (PFPeA)	48		2.0	0.49	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorohexanoic acid (PFHxA)	29		2.0	0.57	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluoroheptanoic acid (PFHpA)	10		2.0	0.25	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorooctanoic acid (PFOA)	8.5		2.0	0.84	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorononanoic acid (PFNA)	0.87	J	2.0	0.27	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/02/24 08:48	08/03/24 03:25	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/02/24 08:48	08/03/24 03:25	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 08:48	08/03/24 03:25	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:48	08/03/24 03:25	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:48	08/03/24 03:25	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:48	08/03/24 03:25	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:48	08/03/24 03:25	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 08:48	08/03/24 03:25	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 03:25	1
6:2 FTS	52		5.0	2.5	ng/L		08/02/24 08:48	08/03/24 03:25	1
8:2 FTS	4.7		2.0	0.46	ng/L		08/02/24 08:48	08/03/24 03:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:48	08/03/24 03:25	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:48	08/03/24 03:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 03:25	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 03:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C5 PFPeA	94		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C2 PFHxA	101		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C4 PFHpA	98		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C4 PFOA	96		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C5 PFNA	102		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C2 PFDA	104		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C2 PFUnA	98		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C2 PFDoA	98		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C2 PFTeDA	89		25 - 150				08/02/24 08:48	08/03/24 03:25	1
13C3 PFBS	84		25 - 150				08/02/24 08:48	08/03/24 03:25	1
18O2 PFHxS	99		25 - 150				08/02/24 08:48	08/03/24 03:25	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(160-187)-202407**

**Lab Sample ID: 320-114250-18**

Date Collected: 07/30/24 14:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	100		25 - 150	08/02/24 08:48	08/03/24 03:25	1
13C8 FOSA	96		10 - 150	08/02/24 08:48	08/03/24 03:25	1
d3-NMeFOSAA	95		25 - 150	08/02/24 08:48	08/03/24 03:25	1
d5-NEtFOSAA	88		25 - 150	08/02/24 08:48	08/03/24 03:25	1
d-N-MeFOSA-M	81		10 - 150	08/02/24 08:48	08/03/24 03:25	1
d-N-EtFOSA-M	84		10 - 150	08/02/24 08:48	08/03/24 03:25	1
d7-N-MeFOSE-M	91		10 - 150	08/02/24 08:48	08/03/24 03:25	1
d9-N-EtFOSE-M	104		10 - 150	08/02/24 08:48	08/03/24 03:25	1
M2-4:2 FTS	107		25 - 150	08/02/24 08:48	08/03/24 03:25	1
M2-6:2 FTS	107		25 - 150	08/02/24 08:48	08/03/24 03:25	1
M2-8:2 FTS	112		25 - 150	08/02/24 08:48	08/03/24 03:25	1
13C3 HFPO-DA	95		25 - 150	08/02/24 08:48	08/03/24 03:25	1

**Client Sample ID: MP-03-(120-157)-202407**

**Lab Sample ID: 320-114250-19**

Date Collected: 07/30/24 14:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		5.1	2.4	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluoropentanoic acid (PFPeA)	18		2.0	0.50	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorohexanoic acid (PFHxA)	9.0		2.0	0.59	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluoroheptanoic acid (PFHpA)	6.5		2.0	0.25	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorooctanoic acid (PFOA)	5.4		2.0	0.87	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorononanoic acid (PFNA)	0.46	J	2.0	0.28	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorobutanesulfonic acid (PFBS)	0.33	J	2.0	0.20	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorooctanesulfonic acid (PFOS)	2.1		2.0	0.55	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		08/02/24 08:48	08/03/24 03:37	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		08/02/24 08:48	08/03/24 03:37	1
NEtFOSA	<0.89		2.0	0.89	ng/L		08/02/24 08:48	08/03/24 03:37	1
NMeFOSA	<0.44		2.0	0.44	ng/L		08/02/24 08:48	08/03/24 03:37	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		08/02/24 08:48	08/03/24 03:37	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		08/02/24 08:48	08/03/24 03:37	1
NMeFOSE	<1.4		4.1	1.4	ng/L		08/02/24 08:48	08/03/24 03:37	1
NEtFOSE	<0.87		2.0	0.87	ng/L		08/02/24 08:48	08/03/24 03:37	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 03:37	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(120-157)-202407**

**Lab Sample ID: 320-114250-19**

Date Collected: 07/30/24 14:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.5		5.1	2.5	ng/L		08/02/24 08:48	08/03/24 03:37	1
8:2 FTS	<0.47		2.0	0.47	ng/L		08/02/24 08:48	08/03/24 03:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		08/02/24 08:48	08/03/24 03:37	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		08/02/24 08:48	08/03/24 03:37	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 03:37	1
11CI-PF3OUdS	<0.33		2.0	0.33	ng/L		08/02/24 08:48	08/03/24 03:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C5 PFPeA	83		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C2 PFHxA	91		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C4 PFHpA	92		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C4 PFOA	91		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C5 PFNA	94		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C2 PFDA	91		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C2 PFUnA	88		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C2 PFDoA	93		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C2 PFTeDA	86		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C3 PFBS	78		25 - 150				08/02/24 08:48	08/03/24 03:37	1
18O2 PFHxS	91		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C4 PFOS	88		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C8 FOSA	86		10 - 150				08/02/24 08:48	08/03/24 03:37	1
d3-NMeFOSAA	85		25 - 150				08/02/24 08:48	08/03/24 03:37	1
d5-NEtFOSAA	85		25 - 150				08/02/24 08:48	08/03/24 03:37	1
d-N-MeFOSA-M	67		10 - 150				08/02/24 08:48	08/03/24 03:37	1
d-N-EtFOSA-M	70		10 - 150				08/02/24 08:48	08/03/24 03:37	1
d7-N-MeFOSE-M	64		10 - 150				08/02/24 08:48	08/03/24 03:37	1
d9-N-EtFOSE-M	80		10 - 150				08/02/24 08:48	08/03/24 03:37	1
M2-4:2 FTS	89		25 - 150				08/02/24 08:48	08/03/24 03:37	1
M2-6:2 FTS	89		25 - 150				08/02/24 08:48	08/03/24 03:37	1
M2-8:2 FTS	122		25 - 150				08/02/24 08:48	08/03/24 03:37	1
13C3 HFPO-DA	87		25 - 150				08/02/24 08:48	08/03/24 03:37	1

**Client Sample ID: MP-03-(083-117)-202407**

**Lab Sample ID: 320-114250-20**

Date Collected: 07/30/24 14:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	31		5.5	2.7	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluoropentanoic acid (PFPeA)	47		2.2	0.54	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorohexanoic acid (PFHxA)	22		2.2	0.64	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluoroheptanoic acid (PFHpA)	26		2.2	0.28	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorooctanoic acid (PFOA)	20		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorononanoic acid (PFNA)	1.5	J	2.2	0.30	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		08/02/24 08:48	08/03/24 03:50	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(083-117)-202407**

**Lab Sample ID: 320-114250-20**

Date Collected: 07/30/24 14:50

Matrix: Water

Date Received: 08/01/24 08:45

**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>0.99</b>	<b>J</b>	2.2	0.22	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:48	08/03/24 03:50	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>5.3</b>		2.2	0.60	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 03:50	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 03:50	1
NEtFOSA	<0.96		2.2	0.96	ng/L		08/02/24 08:48	08/03/24 03:50	1
NMeFOSA	<0.48		2.2	0.48	ng/L		08/02/24 08:48	08/03/24 03:50	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 08:48	08/03/24 03:50	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 08:48	08/03/24 03:50	1
NMeFOSE	<1.6		4.4	1.6	ng/L		08/02/24 08:48	08/03/24 03:50	1
NEtFOSE	<0.94		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 03:50	1
4:2 FTS	<0.27		2.2	0.27	ng/L		08/02/24 08:48	08/03/24 03:50	1
6:2 FTS	<2.8		5.5	2.8	ng/L		08/02/24 08:48	08/03/24 03:50	1
8:2 FTS	<0.51		2.2	0.51	ng/L		08/02/24 08:48	08/03/24 03:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 08:48	08/03/24 03:50	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		08/02/24 08:48	08/03/24 03:50	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		08/02/24 08:48	08/03/24 03:50	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 03:50	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	95		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C5 PFPeA	93		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C2 PFHxA	101		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C4 PFHpA	99		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C4 PFOA	103		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C5 PFNA	103		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C2 PFDA	101		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C2 PFUnA	92		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C2 PFDoA	99		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C2 PFTeDA	87		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C3 PFBS	89		25 - 150				08/02/24 08:48	08/03/24 03:50	1
18O2 PFHxS	107		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C4 PFOS	94		25 - 150				08/02/24 08:48	08/03/24 03:50	1
13C8 FOSA	100		10 - 150				08/02/24 08:48	08/03/24 03:50	1
d3-NMeFOSAA	87		25 - 150				08/02/24 08:48	08/03/24 03:50	1
d5-NEtFOSAA	90		25 - 150				08/02/24 08:48	08/03/24 03:50	1
d-N-MeFOSA-M	93		10 - 150				08/02/24 08:48	08/03/24 03:50	1
d-N-EtFOSA-M	93		10 - 150				08/02/24 08:48	08/03/24 03:50	1
d7-N-MeFOSE-M	83		10 - 150				08/02/24 08:48	08/03/24 03:50	1
d9-N-EtFOSE-M	91		10 - 150				08/02/24 08:48	08/03/24 03:50	1
M2-4:2 FTS	103		25 - 150				08/02/24 08:48	08/03/24 03:50	1
M2-6:2 FTS	106		25 - 150				08/02/24 08:48	08/03/24 03:50	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(083-117)-202407**

**Lab Sample ID: 320-114250-20**

Date Collected: 07/30/24 14:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	115		25 - 150	08/02/24 08:48	08/03/24 03:50	1
13C3 HFPO-DA	99		25 - 150	08/02/24 08:48	08/03/24 03:50	1

**Client Sample ID: MP-03-(046-080)-202407**

**Lab Sample ID: 320-114250-21**

Date Collected: 07/30/24 14:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	52		5.5	2.6	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluoropentanoic acid (PFPeA)	180		2.2	0.54	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorohexanoic acid (PFHxA)	84		2.2	0.64	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluoroheptanoic acid (PFHpA)	140		2.2	0.28	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorooctanoic acid (PFOA)	39		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorononanoic acid (PFNA)	4.7		2.2	0.30	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorodecanoic acid (PFDA)	0.38	J	2.2	0.34	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorobutanesulfonic acid (PFBS)	0.36	J	2.2	0.22	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.2	0.60	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 04:02	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 04:02	1
NEtFOSA	<0.96		2.2	0.96	ng/L		08/02/24 08:48	08/03/24 04:02	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 08:48	08/03/24 04:02	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 08:48	08/03/24 04:02	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 08:48	08/03/24 04:02	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 08:48	08/03/24 04:02	1
NEtFOSE	<0.94		2.2	0.94	ng/L		08/02/24 08:48	08/03/24 04:02	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 04:02	1
6:2 FTS	<2.8		5.5	2.8	ng/L		08/02/24 08:48	08/03/24 04:02	1
8:2 FTS	<0.51		2.2	0.51	ng/L		08/02/24 08:48	08/03/24 04:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 08:48	08/03/24 04:02	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		08/02/24 08:48	08/03/24 04:02	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 04:02	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 04:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				08/02/24 08:48	08/03/24 04:02	1
13C5 PFPeA	97		25 - 150				08/02/24 08:48	08/03/24 04:02	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(046-080)-202407**

**Lab Sample ID: 320-114250-21**

Date Collected: 07/30/24 14:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	106		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C4 PFHpA	100		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C4 PFOA	98		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C5 PFNA	99		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C2 PFDA	102		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C2 PFUnA	96		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C2 PFDoA	100		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C2 PFTeDA	96		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C3 PFBS	89		25 - 150	08/02/24 08:48	08/03/24 04:02	1
18O2 PFHxS	102		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C4 PFOS	99		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C8 FOSA	95		10 - 150	08/02/24 08:48	08/03/24 04:02	1
d3-NMeFOSAA	91		25 - 150	08/02/24 08:48	08/03/24 04:02	1
d5-NEtFOSAA	82		25 - 150	08/02/24 08:48	08/03/24 04:02	1
d-N-MeFOSA-M	89		10 - 150	08/02/24 08:48	08/03/24 04:02	1
d-N-EtFOSA-M	89		10 - 150	08/02/24 08:48	08/03/24 04:02	1
d7-N-MeFOSE-M	88		10 - 150	08/02/24 08:48	08/03/24 04:02	1
d9-N-EtFOSE-M	95		10 - 150	08/02/24 08:48	08/03/24 04:02	1
M2-4:2 FTS	105		25 - 150	08/02/24 08:48	08/03/24 04:02	1
M2-6:2 FTS	109		25 - 150	08/02/24 08:48	08/03/24 04:02	1
M2-8:2 FTS	96		25 - 150	08/02/24 08:48	08/03/24 04:02	1
13C3 HFPO-DA	98		25 - 150	08/02/24 08:48	08/03/24 04:02	1

**Client Sample ID: MP-04-(275-291)-202407**

**Lab Sample ID: 320-114250-22**

Date Collected: 07/30/24 09:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorotridecanoic acid (PFTeDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 04:15	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 04:15	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(275-291)-202407**

**Lab Sample ID: 320-114250-22**

Date Collected: 07/30/24 09:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 04:15	1
NEtFOSA	<0.91		2.1	0.91	ng/L		08/02/24 08:48	08/03/24 04:15	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/02/24 08:48	08/03/24 04:15	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		08/02/24 08:48	08/03/24 04:15	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		08/02/24 08:48	08/03/24 04:15	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 08:48	08/03/24 04:15	1
NEtFOSE	<0.89		2.1	0.89	ng/L		08/02/24 08:48	08/03/24 04:15	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/02/24 08:48	08/03/24 04:15	1
6:2 FTS	<2.6		5.2	2.6	ng/L		08/02/24 08:48	08/03/24 04:15	1
8:2 FTS	<0.48		2.1	0.48	ng/L		08/02/24 08:48	08/03/24 04:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 08:48	08/03/24 04:15	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 08:48	08/03/24 04:15	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 08:48	08/03/24 04:15	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 04:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C5 PFPeA	91		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C2 PFHxA	96		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C4 PFHpA	100		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C4 PFOA	101		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C5 PFNA	110		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C2 PFDA	105		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C2 PFUnA	96		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C2 PFDoA	105		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C2 PFTeDA	99		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C3 PFBS	83		25 - 150				08/02/24 08:48	08/03/24 04:15	1
18O2 PFHxS	101		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C4 PFOS	98		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C8 FOSA	95		10 - 150				08/02/24 08:48	08/03/24 04:15	1
d3-NMeFOSAA	96		25 - 150				08/02/24 08:48	08/03/24 04:15	1
d5-NEtFOSAA	103		25 - 150				08/02/24 08:48	08/03/24 04:15	1
d-N-MeFOSA-M	85		10 - 150				08/02/24 08:48	08/03/24 04:15	1
d-N-EtFOSA-M	88		10 - 150				08/02/24 08:48	08/03/24 04:15	1
d7-N-MeFOSE-M	77		10 - 150				08/02/24 08:48	08/03/24 04:15	1
d9-N-EtFOSE-M	92		10 - 150				08/02/24 08:48	08/03/24 04:15	1
M2-4:2 FTS	100		25 - 150				08/02/24 08:48	08/03/24 04:15	1
M2-6:2 FTS	102		25 - 150				08/02/24 08:48	08/03/24 04:15	1
M2-8:2 FTS	149		25 - 150				08/02/24 08:48	08/03/24 04:15	1
13C3 HFPO-DA	94		25 - 150				08/02/24 08:48	08/03/24 04:15	1

**Client Sample ID: MP-04-(245-272)-202407**

**Lab Sample ID: 320-114250-23**

Date Collected: 07/30/24 10:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.9	2.8	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluoropentanoic acid (PFPeA)	<0.58		2.4	0.58	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorohexanoic acid (PFHxA)	<0.68		2.4	0.68	ng/L		08/02/24 08:48	08/03/24 04:27	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(245-272)-202407**

**Lab Sample ID: 320-114250-23**

**Date Collected: 07/30/24 10:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.29		2.4	0.29	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorononanoic acid (PFNA)	<0.32		2.4	0.32	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorododecanoic acid (PFDoA)	<0.65		2.4	0.65	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.4	1.5	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.86		2.4	0.86	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.4	0.35	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.67		2.4	0.67	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.4	0.22	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.64		2.4	0.64	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.4	1.1	ng/L		08/02/24 08:48	08/03/24 04:27	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/02/24 08:48	08/03/24 04:27	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 04:27	1
NMeFOSA	<0.51		2.4	0.51	ng/L		08/02/24 08:48	08/03/24 04:27	1
NMeFOSAA	<1.4		5.9	1.4	ng/L		08/02/24 08:48	08/03/24 04:27	1
NEtFOSAA	<1.5		5.9	1.5	ng/L		08/02/24 08:48	08/03/24 04:27	1
NMeFOSE	<1.6		4.7	1.6	ng/L		08/02/24 08:48	08/03/24 04:27	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 04:27	1
4:2 FTS	<0.28		2.4	0.28	ng/L		08/02/24 08:48	08/03/24 04:27	1
6:2 FTS	<2.9		5.9	2.9	ng/L		08/02/24 08:48	08/03/24 04:27	1
8:2 FTS	<0.54		2.4	0.54	ng/L		08/02/24 08:48	08/03/24 04:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.4	0.47	ng/L		08/02/24 08:48	08/03/24 04:27	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		08/02/24 08:48	08/03/24 04:27	1
9Cl-PF3ONS	<0.28		2.4	0.28	ng/L		08/02/24 08:48	08/03/24 04:27	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		08/02/24 08:48	08/03/24 04:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C5 PFPeA	94		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C2 PFHxA	95		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C4 PFHpA	96		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C4 PFOA	98		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C5 PFNA	100		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C2 PFDA	94		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C2 PFUnA	86		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C2 PFDoA	100		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C2 PFTeDA	89		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C3 PFBS	84		25 - 150	08/02/24 08:48	08/03/24 04:27	1
18O2 PFHxS	101		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C4 PFOS	100		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C8 FOSA	95		10 - 150	08/02/24 08:48	08/03/24 04:27	1
d3-NMeFOSAA	84		25 - 150	08/02/24 08:48	08/03/24 04:27	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(245-272)-202407**

**Lab Sample ID: 320-114250-23**

Date Collected: 07/30/24 10:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	76		25 - 150	08/02/24 08:48	08/03/24 04:27	1
d-N-MeFOSA-M	85		10 - 150	08/02/24 08:48	08/03/24 04:27	1
d-N-EtFOSA-M	80		10 - 150	08/02/24 08:48	08/03/24 04:27	1
d7-N-MeFOSE-M	78		10 - 150	08/02/24 08:48	08/03/24 04:27	1
d9-N-EtFOSE-M	91		10 - 150	08/02/24 08:48	08/03/24 04:27	1
M2-4:2 FTS	100		25 - 150	08/02/24 08:48	08/03/24 04:27	1
M2-6:2 FTS	110		25 - 150	08/02/24 08:48	08/03/24 04:27	1
M2-8:2 FTS	98		25 - 150	08/02/24 08:48	08/03/24 04:27	1
13C3 HFPO-DA	95		25 - 150	08/02/24 08:48	08/03/24 04:27	1

**Client Sample ID: MP-04-(220-242)-202407**

**Lab Sample ID: 320-114250-24**

Date Collected: 07/30/24 10:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 04:40	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/03/24 04:40	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/02/24 08:48	08/03/24 04:40	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 08:48	08/03/24 04:40	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 08:48	08/03/24 04:40	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 08:48	08/03/24 04:40	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 08:48	08/03/24 04:40	1
NEtFOSE	<0.91		2.1	0.91	ng/L		08/02/24 08:48	08/03/24 04:40	1
4:2 FTS	<0.26		2.1	0.26	ng/L		08/02/24 08:48	08/03/24 04:40	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/02/24 08:48	08/03/24 04:40	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/02/24 08:48	08/03/24 04:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/02/24 08:48	08/03/24 04:40	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 08:48	08/03/24 04:40	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(220-242)-202407**

**Lab Sample ID: 320-114250-24**

**Date Collected: 07/30/24 10:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		08/02/24 08:48	08/03/24 04:40	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/03/24 04:40	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	93		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C5 PFPeA	96		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C2 PFHxA	97		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C4 PFHpA	99		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C4 PFOA	103		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C5 PFNA	103		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C2 PFDA	101		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C2 PFUnA	91		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C2 PFDoA	96		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C2 PFTeDA	87		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C3 PFBS	86		25 - 150				08/02/24 08:48	08/03/24 04:40	1
18O2 PFHxS	103		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C4 PFOS	102		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C8 FOSA	98		10 - 150				08/02/24 08:48	08/03/24 04:40	1
d3-NMeFOSAA	89		25 - 150				08/02/24 08:48	08/03/24 04:40	1
d5-NEtFOSAA	84		25 - 150				08/02/24 08:48	08/03/24 04:40	1
d-N-MeFOSA-M	84		10 - 150				08/02/24 08:48	08/03/24 04:40	1
d-N-EtFOSA-M	79		10 - 150				08/02/24 08:48	08/03/24 04:40	1
d7-N-MeFOSE-M	81		10 - 150				08/02/24 08:48	08/03/24 04:40	1
d9-N-EtFOSE-M	91		10 - 150				08/02/24 08:48	08/03/24 04:40	1
M2-4:2 FTS	111		25 - 150				08/02/24 08:48	08/03/24 04:40	1
M2-6:2 FTS	105		25 - 150				08/02/24 08:48	08/03/24 04:40	1
M2-8:2 FTS	111		25 - 150				08/02/24 08:48	08/03/24 04:40	1
13C3 HFPO-DA	97		25 - 150				08/02/24 08:48	08/03/24 04:40	1

**Client Sample ID: MP-04-(195-217)-202407**

**Lab Sample ID: 320-114250-25**

**Date Collected: 07/30/24 10:35**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.8	2.8	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		08/02/24 08:48	08/05/24 15:30	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(195-217)-202407**

**Lab Sample ID: 320-114250-25**

**Date Collected: 07/30/24 10:35**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/05/24 15:30	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/05/24 15:30	1
NEtFOSA	<1.0		2.3	1.0	ng/L		08/02/24 08:48	08/05/24 15:30	1
NMeFOSA	<0.50		2.3	0.50	ng/L		08/02/24 08:48	08/05/24 15:30	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		08/02/24 08:48	08/05/24 15:30	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		08/02/24 08:48	08/05/24 15:30	1
NMeFOSE	<1.6		4.6	1.6	ng/L		08/02/24 08:48	08/05/24 15:30	1
NEtFOSE	<0.98		2.3	0.98	ng/L		08/02/24 08:48	08/05/24 15:30	1
4:2 FTS	<0.28		2.3	0.28	ng/L		08/02/24 08:48	08/05/24 15:30	1
6:2 FTS	<2.9		5.8	2.9	ng/L		08/02/24 08:48	08/05/24 15:30	1
8:2 FTS	<0.53		2.3	0.53	ng/L		08/02/24 08:48	08/05/24 15:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		08/02/24 08:48	08/05/24 15:30	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		08/02/24 08:48	08/05/24 15:30	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		08/02/24 08:48	08/05/24 15:30	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		08/02/24 08:48	08/05/24 15:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C5 PFPeA	91		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C2 PFHxA	92		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C4 PFHpA	93		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C4 PFOA	95		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C5 PFNA	100		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C2 PFDA	100		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C2 PFUnA	91		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C2 PFDoA	101		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C2 PFTeDA	101		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C3 PFBS	83		25 - 150	08/02/24 08:48	08/05/24 15:30	1
18O2 PFHxS	97		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C4 PFOS	98		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C8 FOSA	93		10 - 150	08/02/24 08:48	08/05/24 15:30	1
d3-NMeFOSAA	98		25 - 150	08/02/24 08:48	08/05/24 15:30	1
d5-NEtFOSAA	112		25 - 150	08/02/24 08:48	08/05/24 15:30	1
d-N-MeFOSA-M	71		10 - 150	08/02/24 08:48	08/05/24 15:30	1
d-N-EtFOSA-M	77		10 - 150	08/02/24 08:48	08/05/24 15:30	1
d7-N-MeFOSE-M	64		10 - 150	08/02/24 08:48	08/05/24 15:30	1
d9-N-EtFOSE-M	87		10 - 150	08/02/24 08:48	08/05/24 15:30	1
M2-4:2 FTS	107		25 - 150	08/02/24 08:48	08/05/24 15:30	1
M2-6:2 FTS	103		25 - 150	08/02/24 08:48	08/05/24 15:30	1
M2-8:2 FTS	122		25 - 150	08/02/24 08:48	08/05/24 15:30	1
13C3 HFPO-DA	90		25 - 150	08/02/24 08:48	08/05/24 15:30	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(155-192)-202407**

**Lab Sample ID: 320-114250-26**

Date Collected: 07/30/24 10:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	32		5.0	2.4	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluoropentanoic acid (PFPeA)	150		2.0	0.49	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorohexanoic acid (PFHxA)	100		2.0	0.58	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluoroheptanoic acid (PFHpA)	33		2.0	0.25	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorooctanoic acid (PFOA)	46		2.0	0.85	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorononanoic acid (PFNA)	3.0		2.0	0.27	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.75 J		2.0	0.57	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorooctanesulfonic acid (PFOS)	0.84 J		2.0	0.54	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 08:48	08/03/24 05:05	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 08:48	08/03/24 05:05	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 08:48	08/03/24 05:05	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:48	08/03/24 05:05	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:48	08/03/24 05:05	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:48	08/03/24 05:05	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:48	08/03/24 05:05	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 08:48	08/03/24 05:05	1
4:2 FTS	6.1		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 05:05	1
8:2 FTS	32		2.0	0.46	ng/L		08/02/24 08:48	08/03/24 05:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:48	08/03/24 05:05	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:48	08/03/24 05:05	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 05:05	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 05:05	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	90		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C5 PFPeA	92		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C2 PFHxA	96		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C4 PFHpA	96		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C4 PFOA	99		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C5 PFNA	105		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C2 PFDA	101		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C2 PFUnA	97		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C2 PFDoA	111		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C2 PFTeDA	98		25 - 150				08/02/24 08:48	08/03/24 05:05	1
13C3 PFBS	85		25 - 150				08/02/24 08:48	08/03/24 05:05	1
18O2 PFHxS	102		25 - 150				08/02/24 08:48	08/03/24 05:05	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(155-192)-202407**

**Lab Sample ID: 320-114250-26**

Date Collected: 07/30/24 10:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	101		25 - 150	08/02/24 08:48	08/03/24 05:05	1
13C8 FOSA	99		10 - 150	08/02/24 08:48	08/03/24 05:05	1
d3-NMeFOSAA	97		25 - 150	08/02/24 08:48	08/03/24 05:05	1
d5-NEtFOSAA	106		25 - 150	08/02/24 08:48	08/03/24 05:05	1
d-N-MeFOSA-M	77		10 - 150	08/02/24 08:48	08/03/24 05:05	1
d-N-EtFOSA-M	83		10 - 150	08/02/24 08:48	08/03/24 05:05	1
d7-N-MeFOSE-M	67		10 - 150	08/02/24 08:48	08/03/24 05:05	1
d9-N-EtFOSE-M	95		10 - 150	08/02/24 08:48	08/03/24 05:05	1
M2-4:2 FTS	104		25 - 150	08/02/24 08:48	08/03/24 05:05	1
M2-8:2 FTS	129		25 - 150	08/02/24 08:48	08/03/24 05:05	1
13C3 HFPO-DA	93		25 - 150	08/02/24 08:48	08/03/24 05:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	770		25	12	ng/L		08/02/24 08:48	08/05/24 16:08	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	123		25 - 150	08/02/24 08:48	08/05/24 16:08	5			

**Client Sample ID: MP-04-(115-152)-202407**

**Lab Sample ID: 320-114250-27**

Date Collected: 07/30/24 11:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	150		5.5	2.6	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluoroheptanoic acid (PFHpA)	140		2.2	0.27	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorooctanoic acid (PFOA)	240		2.2	0.93	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorononanoic acid (PFNA)	14		2.2	0.30	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorodecanoic acid (PFDA)	1.3	J	2.2	0.34	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorobutanesulfonic acid (PFBS)	0.64	J	2.2	0.22	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.57	J	2.2	0.33	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorohexanesulfonic acid (PFHxS)	3.2		2.2	0.62	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorooctanesulfonic acid (PFOS)	4.8		2.2	0.59	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:48	08/03/24 05:43	1
Perfluorooctanesulfonamide (FOSA)	2.1	J	2.2	1.1	ng/L		08/02/24 08:48	08/03/24 05:43	1
NEtFOSA	<0.95		2.2	0.95	ng/L		08/02/24 08:48	08/03/24 05:43	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 08:48	08/03/24 05:43	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 08:48	08/03/24 05:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(115-152)-202407**

**Lab Sample ID: 320-114250-27**

**Date Collected: 07/30/24 11:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 08:48	08/03/24 05:43	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 08:48	08/03/24 05:43	1
NEtFOSE	<0.93		2.2	0.93	ng/L		08/02/24 08:48	08/03/24 05:43	1
<b>4:2 FTS</b>	<b>32</b>		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 05:43	1
<b>8:2 FTS</b>	<b>230</b>		2.2	0.50	ng/L		08/02/24 08:48	08/03/24 05:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 08:48	08/03/24 05:43	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		08/02/24 08:48	08/03/24 05:43	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 08:48	08/03/24 05:43	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:48	08/03/24 05:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C4 PFHpA	103		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C4 PFOA	100		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C5 PFNA	105		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C2 PFDA	105		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C2 PFUnA	100		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C2 PFDoA	107		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C2 PFTeDA	97		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C3 PFBS	87		25 - 150	08/02/24 08:48	08/03/24 05:43	1
18O2 PFHxS	104		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C4 PFOS	97		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C8 FOSA	102		10 - 150	08/02/24 08:48	08/03/24 05:43	1
d3-NMeFOSAA	90		25 - 150	08/02/24 08:48	08/03/24 05:43	1
d5-NEtFOSAA	90		25 - 150	08/02/24 08:48	08/03/24 05:43	1
d-N-MeFOSA-M	91		10 - 150	08/02/24 08:48	08/03/24 05:43	1
d-N-EtFOSA-M	87		10 - 150	08/02/24 08:48	08/03/24 05:43	1
d7-N-MeFOSE-M	89		10 - 150	08/02/24 08:48	08/03/24 05:43	1
d9-N-EtFOSE-M	98		10 - 150	08/02/24 08:48	08/03/24 05:43	1
M2-4:2 FTS	100		25 - 150	08/02/24 08:48	08/03/24 05:43	1
M2-8:2 FTS	101		25 - 150	08/02/24 08:48	08/03/24 05:43	1
13C3 HFPO-DA	98		25 - 150	08/02/24 08:48	08/03/24 05:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>760</b>		44	11	ng/L		08/02/24 08:48	08/06/24 13:30	20
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>450</b>		44	13	ng/L		08/02/24 08:48	08/06/24 13:30	20
<b>6:2 FTS</b>	<b>3200</b>		110	55	ng/L		08/02/24 08:48	08/06/24 13:30	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	94		25 - 150	08/02/24 08:48	08/06/24 13:30	20
13C2 PFHxA	104		25 - 150	08/02/24 08:48	08/06/24 13:30	20
M2-6:2 FTS	127		25 - 150	08/02/24 08:48	08/06/24 13:30	20

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

**Date Collected: 07/30/24 11:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>140</b>		5.2	2.5	ng/L		08/02/24 08:48	08/05/24 16:46	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

Date Collected: 07/30/24 11:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	180		2.1	0.26	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorooctanoic acid (PFOA)	310		2.1	0.89	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorononanoic acid (PFNA)	18		2.1	0.28	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorodecanoic acid (PFDA)	1.1	J	2.1	0.33	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorobutanesulfonic acid (PFBS)	0.73	J	2.1	0.21	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		2.1	0.60	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorooctanesulfonic acid (PFOS)	3.7		2.1	0.57	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/05/24 16:46	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:48	08/05/24 16:46	1
NEtFOSA	<0.91		2.1	0.91	ng/L		08/02/24 08:48	08/05/24 16:46	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/02/24 08:48	08/05/24 16:46	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		08/02/24 08:48	08/05/24 16:46	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		08/02/24 08:48	08/05/24 16:46	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 08:48	08/05/24 16:46	1
NEtFOSE	<0.89		2.1	0.89	ng/L		08/02/24 08:48	08/05/24 16:46	1
4:2 FTS	27		2.1	0.25	ng/L		08/02/24 08:48	08/05/24 16:46	1
8:2 FTS	120		2.1	0.48	ng/L		08/02/24 08:48	08/05/24 16:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 08:48	08/05/24 16:46	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 08:48	08/05/24 16:46	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 08:48	08/05/24 16:46	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:48	08/05/24 16:46	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				08/02/24 08:48	08/05/24 16:46	1
13C4 PFHpA	105		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C4 PFOA	99		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C5 PFNA	109		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C2 PFDA	109		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C2 PFUnA	100		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C2 PFDoA	114		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C2 PFTeDA	107		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C3 PFBS	86		25 - 150				08/02/24 08:48	08/05/24 16:46	1
18O2 PFHxS	107		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C4 PFOS	108		25 - 150				08/02/24 08:48	08/05/24 16:46	1
13C8 FOSA	102		10 - 150				08/02/24 08:48	08/05/24 16:46	1
d3-NMeFOSAA	106		25 - 150				08/02/24 08:48	08/05/24 16:46	1
d5-NEtFOSAA	111		25 - 150				08/02/24 08:48	08/05/24 16:46	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

Date Collected: 07/30/24 11:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	82		10 - 150	08/02/24 08:48	08/05/24 16:46	1
d-N-EtFOSA-M	93		10 - 150	08/02/24 08:48	08/05/24 16:46	1
d7-N-MeFOSE-M	86		10 - 150	08/02/24 08:48	08/05/24 16:46	1
d9-N-EtFOSE-M	115		10 - 150	08/02/24 08:48	08/05/24 16:46	1
M2-4:2 FTS	110		25 - 150	08/02/24 08:48	08/05/24 16:46	1
M2-8:2 FTS	124		25 - 150	08/02/24 08:48	08/05/24 16:46	1
13C3 HFPO-DA	105		25 - 150	08/02/24 08:48	08/05/24 16:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	790		42	10	ng/L		08/02/24 08:48	08/06/24 13:44	20
Perfluorohexanoic acid (PFHxA)	500		42	12	ng/L		08/02/24 08:48	08/06/24 13:44	20
6:2 FTS	3200		100	52	ng/L		08/02/24 08:48	08/06/24 13:44	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	92		25 - 150	08/02/24 08:48	08/06/24 13:44	20
13C2 PFHxA	93		25 - 150	08/02/24 08:48	08/06/24 13:44	20
M2-6:2 FTS	121		25 - 150	08/02/24 08:48	08/06/24 13:44	20

**Client Sample ID: MP-04-(048-077)-202407**

**Lab Sample ID: 320-114250-29**

Date Collected: 07/30/24 11:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.7	J	5.8	2.8	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluoropentanoic acid (PFPeA)	0.63	J	2.3	0.57	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorohexanoic acid (PFHxA)	<0.68		2.3	0.68	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorooctanoic acid (PFOA)	<0.99		2.3	0.99	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorononanoic acid (PFNA)	<0.32		2.3	0.32	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorobutanesulfonic acid (PFBS)	0.71	J	2.3	0.23	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.67		2.3	0.67	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 06:08	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 08:48	08/03/24 06:08	1
NEtFOSA	<1.0		2.3	1.0	ng/L		08/02/24 08:48	08/03/24 06:08	1
NMeFOSA	<0.50		2.3	0.50	ng/L		08/02/24 08:48	08/03/24 06:08	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		08/02/24 08:48	08/03/24 06:08	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(048-077)-202407**

**Lab Sample ID: 320-114250-29**

Date Collected: 07/30/24 11:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.5		5.8	1.5	ng/L		08/02/24 08:48	08/03/24 06:08	1
NMeFOSE	<1.6		4.7	1.6	ng/L		08/02/24 08:48	08/03/24 06:08	1
NEtFOSE	<0.99		2.3	0.99	ng/L		08/02/24 08:48	08/03/24 06:08	1
4:2 FTS	<0.28		2.3	0.28	ng/L		08/02/24 08:48	08/03/24 06:08	1
<b>6:2 FTS</b>	<b>3.4</b>	<b>J</b>	5.8	2.9	ng/L		08/02/24 08:48	08/03/24 06:08	1
<b>8:2 FTS</b>	<b>1.4</b>	<b>J</b>	2.3	0.54	ng/L		08/02/24 08:48	08/03/24 06:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.3	0.47	ng/L		08/02/24 08:48	08/03/24 06:08	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		08/02/24 08:48	08/03/24 06:08	1
9CI-PF3ONS	<0.28		2.3	0.28	ng/L		08/02/24 08:48	08/03/24 06:08	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		08/02/24 08:48	08/03/24 06:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C5 PFPeA	98		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C2 PFHxA	103		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C4 PFHpA	102		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C4 PFOA	96		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C5 PFNA	99		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C2 PFDA	102		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C2 PFUnA	99		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C2 PFDoA	107		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C2 PFTeDA	93		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C3 PFBS	86		25 - 150	08/02/24 08:48	08/03/24 06:08	1
18O2 PFHxS	102		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C4 PFOS	96		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C8 FOSA	95		10 - 150	08/02/24 08:48	08/03/24 06:08	1
d3-NMeFOSAA	92		25 - 150	08/02/24 08:48	08/03/24 06:08	1
d5-NEtFOSAA	88		25 - 150	08/02/24 08:48	08/03/24 06:08	1
d-N-MeFOSA-M	86		10 - 150	08/02/24 08:48	08/03/24 06:08	1
d-N-EtFOSA-M	86		10 - 150	08/02/24 08:48	08/03/24 06:08	1
d7-N-MeFOSE-M	83		10 - 150	08/02/24 08:48	08/03/24 06:08	1
d9-N-EtFOSE-M	94		10 - 150	08/02/24 08:48	08/03/24 06:08	1
M2-4:2 FTS	102		25 - 150	08/02/24 08:48	08/03/24 06:08	1
M2-6:2 FTS	102		25 - 150	08/02/24 08:48	08/03/24 06:08	1
M2-8:2 FTS	129		25 - 150	08/02/24 08:48	08/03/24 06:08	1
13C3 HFPO-DA	98		25 - 150	08/02/24 08:48	08/03/24 06:08	1

**Client Sample ID: MP-05-(SWL-065)-202407**

**Lab Sample ID: 320-114250-30**

Date Collected: 07/29/24 18:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		6.0	2.9	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluoropentanoic acid (PFPeA)	20		2.4	0.59	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorohexanoic acid (PFHxA)	14		2.4	0.70	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluoroheptanoic acid (PFHpA)	16		2.4	0.30	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorooctanoic acid (PFOA)	8.4		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorononanoic acid (PFNA)	7.9		2.4	0.32	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		08/02/24 08:48	08/03/24 06:20	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-05-(SWL-065)-202407**

**Lab Sample ID: 320-114250-30**

**Date Collected: 07/29/24 18:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.88		2.4	0.88	ng/L		08/02/24 08:48	08/03/24 06:20	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.72</b>	<b>J</b>	2.4	0.24	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.68		2.4	0.68	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.65		2.4	0.65	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		08/02/24 08:48	08/03/24 06:20	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/02/24 08:48	08/03/24 06:20	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 06:20	1
NMeFOSA	<0.52		2.4	0.52	ng/L		08/02/24 08:48	08/03/24 06:20	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		08/02/24 08:48	08/03/24 06:20	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		08/02/24 08:48	08/03/24 06:20	1
NMeFOSE	<1.7		4.8	1.7	ng/L		08/02/24 08:48	08/03/24 06:20	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 08:48	08/03/24 06:20	1
4:2 FTS	<0.29		2.4	0.29	ng/L		08/02/24 08:48	08/03/24 06:20	1
6:2 FTS	<3.0		6.0	3.0	ng/L		08/02/24 08:48	08/03/24 06:20	1
8:2 FTS	<0.55		2.4	0.55	ng/L		08/02/24 08:48	08/03/24 06:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		08/02/24 08:48	08/03/24 06:20	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		08/02/24 08:48	08/03/24 06:20	1
9CI-PF3ONS	<0.29		2.4	0.29	ng/L		08/02/24 08:48	08/03/24 06:20	1
11CI-PF3OUdS	<0.38		2.4	0.38	ng/L		08/02/24 08:48	08/03/24 06:20	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	93		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C5 PFPeA	98		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C2 PFHxA	98		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C4 PFHpA	100		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C4 PFOA	101		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C5 PFNA	98		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C2 PFDA	105		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C2 PFUnA	98		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C2 PFDoA	107		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C2 PFTeDA	95		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C3 PFBS	84		25 - 150				08/02/24 08:48	08/03/24 06:20	1
18O2 PFHxS	96		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C4 PFOS	99		25 - 150				08/02/24 08:48	08/03/24 06:20	1
13C8 FOSA	98		10 - 150				08/02/24 08:48	08/03/24 06:20	1
d3-NMeFOSAA	101		25 - 150				08/02/24 08:48	08/03/24 06:20	1
d5-NEtFOSAA	91		25 - 150				08/02/24 08:48	08/03/24 06:20	1
d-N-MeFOSA-M	90		10 - 150				08/02/24 08:48	08/03/24 06:20	1
d-N-EtFOSA-M	89		10 - 150				08/02/24 08:48	08/03/24 06:20	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-05-(SWL-065)-202407**

**Lab Sample ID: 320-114250-30**

Date Collected: 07/29/24 18:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	81		10 - 150	08/02/24 08:48	08/03/24 06:20	1
d9-N-EtFOSE-M	93		10 - 150	08/02/24 08:48	08/03/24 06:20	1
M2-4:2 FTS	98		25 - 150	08/02/24 08:48	08/03/24 06:20	1
M2-6:2 FTS	107		25 - 150	08/02/24 08:48	08/03/24 06:20	1
M2-8:2 FTS	126		25 - 150	08/02/24 08:48	08/03/24 06:20	1
13C3 HFPO-DA	94		25 - 150	08/02/24 08:48	08/03/24 06:20	1

**Client Sample ID: MP-06-(148-178)-202407**

**Lab Sample ID: 320-114250-31**

Date Collected: 07/30/24 11:55

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/02/24 21:21	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/02/24 21:21	1
NEtFOSA	<0.92		2.1	0.92	ng/L		08/02/24 08:56	08/02/24 21:21	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 08:56	08/02/24 21:21	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 08:56	08/02/24 21:21	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 08:56	08/02/24 21:21	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 08:56	08/02/24 21:21	1
NEtFOSE	<0.90		2.1	0.90	ng/L		08/02/24 08:56	08/02/24 21:21	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/02/24 08:56	08/02/24 21:21	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/02/24 08:56	08/02/24 21:21	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/02/24 08:56	08/02/24 21:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 08:56	08/02/24 21:21	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 08:56	08/02/24 21:21	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 08:56	08/02/24 21:21	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:56	08/02/24 21:21	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(148-178)-202407**

**Lab Sample ID: 320-114250-31**

**Date Collected: 07/30/24 11:55**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	89		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C5 PFPeA	93		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C2 PFHxA	95		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C4 PFHpA	96		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C4 PFOA	96		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C5 PFNA	103		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C2 PFDA	102		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C2 PFUnA	98		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C2 PFDoA	103		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C2 PFTeDA	91		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C3 PFBS	83		25 - 150	08/02/24 08:56	08/02/24 21:21	1
18O2 PFHxS	95		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C4 PFOS	95		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C8 FOSA	93		10 - 150	08/02/24 08:56	08/02/24 21:21	1
d3-NMeFOSAA	97		25 - 150	08/02/24 08:56	08/02/24 21:21	1
d5-NEtFOSAA	93		25 - 150	08/02/24 08:56	08/02/24 21:21	1
d-N-MeFOSA-M	82		10 - 150	08/02/24 08:56	08/02/24 21:21	1
d-N-EtFOSA-M	81		10 - 150	08/02/24 08:56	08/02/24 21:21	1
d7-N-MeFOSE-M	82		10 - 150	08/02/24 08:56	08/02/24 21:21	1
d9-N-EtFOSE-M	94		10 - 150	08/02/24 08:56	08/02/24 21:21	1
M2-4:2 FTS	108		25 - 150	08/02/24 08:56	08/02/24 21:21	1
M2-6:2 FTS	103		25 - 150	08/02/24 08:56	08/02/24 21:21	1
M2-8:2 FTS	115		25 - 150	08/02/24 08:56	08/02/24 21:21	1
13C3 HFPO-DA	93		25 - 150	08/02/24 08:56	08/02/24 21:21	1

**Client Sample ID: MP-06-(113-148)-202407**

**Lab Sample ID: 320-114250-32**

**Date Collected: 07/30/24 12:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/05/24 17:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(113-148)-202407**

**Lab Sample ID: 320-114250-32**

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/02/24 08:56	08/05/24 17:23	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/02/24 08:56	08/05/24 17:23	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 08:56	08/05/24 17:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:56	08/05/24 17:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:56	08/05/24 17:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:56	08/05/24 17:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:56	08/05/24 17:23	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 08:56	08/05/24 17:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 17:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 08:56	08/05/24 17:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 08:56	08/05/24 17:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:56	08/05/24 17:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:56	08/05/24 17:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 17:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/05/24 17:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C5 PFPeA	100		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C2 PFHxA	99		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C4 PFHpA	102		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C4 PFOA	104		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C5 PFNA	105		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C2 PFDA	117		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C2 PFUnA	107		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C2 PFDoA	104		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C2 PFTeDA	105		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C3 PFBS	85		25 - 150				08/02/24 08:56	08/05/24 17:23	1
18O2 PFHxS	104		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C4 PFOS	100		25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C8 FOSA	97		10 - 150				08/02/24 08:56	08/05/24 17:23	1
d3-NMeFOSAA	85		25 - 150				08/02/24 08:56	08/05/24 17:23	1
d5-NEtFOSAA	110		25 - 150				08/02/24 08:56	08/05/24 17:23	1
d-N-MeFOSA-M	67		10 - 150				08/02/24 08:56	08/05/24 17:23	1
d-N-EtFOSA-M	90		10 - 150				08/02/24 08:56	08/05/24 17:23	1
d7-N-MeFOSE-M	62		10 - 150				08/02/24 08:56	08/05/24 17:23	1
d9-N-EtFOSE-M	93		10 - 150				08/02/24 08:56	08/05/24 17:23	1
M2-4:2 FTS	114		25 - 150				08/02/24 08:56	08/05/24 17:23	1
M2-6:2 FTS	112		25 - 150				08/02/24 08:56	08/05/24 17:23	1
M2-8:2 FTS	151	*5+	25 - 150				08/02/24 08:56	08/05/24 17:23	1
13C3 HFPO-DA	100		25 - 150				08/02/24 08:56	08/05/24 17:23	1

**Client Sample ID: MP-06-(73-110)-202407**

**Lab Sample ID: 320-114250-33**

Date Collected: 07/30/24 12:10

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		08/02/24 08:56	08/05/24 17:36	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(73-110)-202407**

**Lab Sample ID: 320-114250-33**

**Date Collected: 07/30/24 12:10**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.74</b>	<b>J</b>	2.2	0.53	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorooctanoic acid (PFOA)	<0.92		2.2	0.92	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:56	08/05/24 17:36	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:56	08/05/24 17:36	1
<b>Perfluorooctanesulfonamide (FOSA)</b>	<b>1.4</b>	<b>J</b>	2.2	1.1	ng/L		08/02/24 08:56	08/05/24 17:36	1
NEtFOSA	<0.95		2.2	0.95	ng/L		08/02/24 08:56	08/05/24 17:36	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 08:56	08/05/24 17:36	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 08:56	08/05/24 17:36	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 08:56	08/05/24 17:36	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 08:56	08/05/24 17:36	1
NEtFOSE	<0.92		2.2	0.92	ng/L		08/02/24 08:56	08/05/24 17:36	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 08:56	08/05/24 17:36	1
6:2 FTS	<2.7		5.4	2.7	ng/L		08/02/24 08:56	08/05/24 17:36	1
8:2 FTS	<0.50		2.2	0.50	ng/L		08/02/24 08:56	08/05/24 17:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 08:56	08/05/24 17:36	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		08/02/24 08:56	08/05/24 17:36	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 08:56	08/05/24 17:36	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:56	08/05/24 17:36	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	90		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C5 PFPeA	90		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C2 PFHxA	93		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C4 PFHpA	96		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C4 PFOA	101		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C5 PFNA	97		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C2 PFDA	101		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C2 PFUnA	96		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C2 PFDoA	101		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C2 PFTeDA	90		25 - 150				08/02/24 08:56	08/05/24 17:36	1
13C3 PFBS	80		25 - 150				08/02/24 08:56	08/05/24 17:36	1
18O2 PFHxS	97		25 - 150				08/02/24 08:56	08/05/24 17:36	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(73-110)-202407**

**Lab Sample ID: 320-114250-33**

Date Collected: 07/30/24 12:10

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	92		25 - 150	08/02/24 08:56	08/05/24 17:36	1
13C8 FOSA	89		10 - 150	08/02/24 08:56	08/05/24 17:36	1
d3-NMeFOSAA	84		25 - 150	08/02/24 08:56	08/05/24 17:36	1
d5-NEtFOSAA	99		25 - 150	08/02/24 08:56	08/05/24 17:36	1
d-N-MeFOSA-M	62		10 - 150	08/02/24 08:56	08/05/24 17:36	1
d-N-EtFOSA-M	78		10 - 150	08/02/24 08:56	08/05/24 17:36	1
d7-N-MeFOSE-M	59		10 - 150	08/02/24 08:56	08/05/24 17:36	1
d9-N-EtFOSE-M	78		10 - 150	08/02/24 08:56	08/05/24 17:36	1
M2-4:2 FTS	91		25 - 150	08/02/24 08:56	08/05/24 17:36	1
M2-6:2 FTS	103		25 - 150	08/02/24 08:56	08/05/24 17:36	1
M2-8:2 FTS	127		25 - 150	08/02/24 08:56	08/05/24 17:36	1
13C3 HFPO-DA	94		25 - 150	08/02/24 08:56	08/05/24 17:36	1

**Client Sample ID: MP-06-(36-70)-202407**

**Lab Sample ID: 320-114250-34**

Date Collected: 07/30/24 12:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.1	J	5.2	2.5	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluoropentanoic acid (PFPeA)	2.4		2.1	0.51	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorohexanoic acid (PFHxA)	1.3	J	2.1	0.60	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluoroheptanoic acid (PFHpA)	0.72	J	2.1	0.26	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	2.1	0.21	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/05/24 17:48	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/05/24 17:48	1
NEtFOSA	<0.91		2.1	0.91	ng/L		08/02/24 08:56	08/05/24 17:48	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/02/24 08:56	08/05/24 17:48	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		08/02/24 08:56	08/05/24 17:48	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		08/02/24 08:56	08/05/24 17:48	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 08:56	08/05/24 17:48	1
NEtFOSE	<0.89		2.1	0.89	ng/L		08/02/24 08:56	08/05/24 17:48	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/02/24 08:56	08/05/24 17:48	1
6:2 FTS	<2.6		5.2	2.6	ng/L		08/02/24 08:56	08/05/24 17:48	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(36-70)-202407**

**Lab Sample ID: 320-114250-34**

Date Collected: 07/30/24 12:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.48		2.1	0.48	ng/L		08/02/24 08:56	08/05/24 17:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 08:56	08/05/24 17:48	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 08:56	08/05/24 17:48	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 08:56	08/05/24 17:48	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		08/02/24 08:56	08/05/24 17:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C5 PFPeA	89		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C2 PFHxA	91		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C4 PFHpA	93		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C4 PFOA	96		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C5 PFNA	101		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C2 PFDA	100		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C2 PFUnA	96		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C2 PFDoA	100		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C2 PFTeDA	95		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C3 PFBS	87		25 - 150				08/02/24 08:56	08/05/24 17:48	1
18O2 PFHxS	99		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C4 PFOS	95		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C8 FOSA	94		10 - 150				08/02/24 08:56	08/05/24 17:48	1
d3-NMeFOSAA	86		25 - 150				08/02/24 08:56	08/05/24 17:48	1
d5-NEtFOSAA	104		25 - 150				08/02/24 08:56	08/05/24 17:48	1
d-N-MeFOSA-M	63		10 - 150				08/02/24 08:56	08/05/24 17:48	1
d-N-EtFOSA-M	78		10 - 150				08/02/24 08:56	08/05/24 17:48	1
d7-N-MeFOSE-M	59		10 - 150				08/02/24 08:56	08/05/24 17:48	1
d9-N-EtFOSE-M	80		10 - 150				08/02/24 08:56	08/05/24 17:48	1
M2-4:2 FTS	103		25 - 150				08/02/24 08:56	08/05/24 17:48	1
M2-6:2 FTS	95		25 - 150				08/02/24 08:56	08/05/24 17:48	1
M2-8:2 FTS	131		25 - 150				08/02/24 08:56	08/05/24 17:48	1
13C3 HFPO-DA	95		25 - 150				08/02/24 08:56	08/05/24 17:48	1

**Client Sample ID: MP-06-(21-33)-202407**

**Lab Sample ID: 320-114250-35**

Date Collected: 07/30/24 12:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	39		6.0	2.9	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluoropentanoic acid (PFPeA)	93		2.4	0.59	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorohexanoic acid (PFHxA)	63		2.4	0.70	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluoroheptanoic acid (PFHpA)	57		2.4	0.30	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorooctanoic acid (PFOA)	48		2.4	1.0	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorononanoic acid (PFNA)	6.3		2.4	0.33	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.6		2.4	1.6	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.88		2.4	0.88	ng/L		08/02/24 08:56	08/02/24 22:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(21-33)-202407**

**Lab Sample ID: 320-114250-35**

Date Collected: 07/30/24 12:40

Matrix: Water

Date Received: 08/01/24 08:45

**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>1.1</b>	<b>J</b>	2.4	0.24	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.69		2.4	0.69	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.65		2.4	0.65	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		08/02/24 08:56	08/02/24 22:11	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/02/24 08:56	08/02/24 22:11	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/02/24 08:56	08/02/24 22:11	1
NMeFOSA	<0.52		2.4	0.52	ng/L		08/02/24 08:56	08/02/24 22:11	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		08/02/24 08:56	08/02/24 22:11	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		08/02/24 08:56	08/02/24 22:11	1
NMeFOSE	<1.7		4.8	1.7	ng/L		08/02/24 08:56	08/02/24 22:11	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/02/24 08:56	08/02/24 22:11	1
4:2 FTS	<0.29		2.4	0.29	ng/L		08/02/24 08:56	08/02/24 22:11	1
6:2 FTS	<3.0		6.0	3.0	ng/L		08/02/24 08:56	08/02/24 22:11	1
8:2 FTS	<0.56		2.4	0.56	ng/L		08/02/24 08:56	08/02/24 22:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		08/02/24 08:56	08/02/24 22:11	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		08/02/24 08:56	08/02/24 22:11	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		08/02/24 08:56	08/02/24 22:11	1
11Cl-PF3OUdS	<0.39		2.4	0.39	ng/L		08/02/24 08:56	08/02/24 22:11	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	90		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C5 PFPeA	94		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C2 PFHxA	96		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C4 PFHpA	97		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C4 PFOA	96		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C5 PFNA	98		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C2 PFDA	100		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C2 PFUnA	94		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C2 PFDoA	100		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C2 PFTeDA	92		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C3 PFBS	85		25 - 150				08/02/24 08:56	08/02/24 22:11	1
18O2 PFHxS	99		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C4 PFOS	101		25 - 150				08/02/24 08:56	08/02/24 22:11	1
13C8 FOSA	95		10 - 150				08/02/24 08:56	08/02/24 22:11	1
d3-NMeFOSAA	88		25 - 150				08/02/24 08:56	08/02/24 22:11	1
d5-NEtFOSAA	85		25 - 150				08/02/24 08:56	08/02/24 22:11	1
d-N-MeFOSA-M	86		10 - 150				08/02/24 08:56	08/02/24 22:11	1
d-N-EtFOSA-M	83		10 - 150				08/02/24 08:56	08/02/24 22:11	1
d7-N-MeFOSE-M	81		10 - 150				08/02/24 08:56	08/02/24 22:11	1
d9-N-EtFOSE-M	92		10 - 150				08/02/24 08:56	08/02/24 22:11	1
M2-4:2 FTS	97		25 - 150				08/02/24 08:56	08/02/24 22:11	1
M2-6:2 FTS	101		25 - 150				08/02/24 08:56	08/02/24 22:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(21-33)-202407**

**Lab Sample ID: 320-114250-35**

Date Collected: 07/30/24 12:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	104		25 - 150	08/02/24 08:56	08/02/24 22:11	1
13C3 HFPO-DA	96		25 - 150	08/02/24 08:56	08/02/24 22:11	1

**Client Sample ID: MP-07-(220-258)-202407**

**Lab Sample ID: 320-114250-36**

Date Collected: 07/29/24 16:30

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/02/24 08:56	08/05/24 18:01	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/02/24 08:56	08/05/24 18:01	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 08:56	08/05/24 18:01	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/02/24 08:56	08/05/24 18:01	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 08:56	08/05/24 18:01	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 08:56	08/05/24 18:01	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 08:56	08/05/24 18:01	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 08:56	08/05/24 18:01	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 18:01	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/02/24 08:56	08/05/24 18:01	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/02/24 08:56	08/05/24 18:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/02/24 08:56	08/05/24 18:01	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 08:56	08/05/24 18:01	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 18:01	1
11CI-PF3OUdS	<0.31		2.0	0.31	ng/L		08/02/24 08:56	08/05/24 18:01	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	88		25 - 150	08/02/24 08:56	08/05/24 18:01	1			
13C5 PFPeA	91		25 - 150	08/02/24 08:56	08/05/24 18:01	1			
13C2 PFHxA	95		25 - 150	08/02/24 08:56	08/05/24 18:01	1			
13C4 PFHpA	103		25 - 150	08/02/24 08:56	08/05/24 18:01	1			

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(220-258)-202407**

**Lab Sample ID: 320-114250-36**

Date Collected: 07/29/24 16:30

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	101		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C5 PFNA	107		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C2 PFDA	96		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C2 PFUnA	77		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C2 PFDoA	95		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C2 PFTeDA	88		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C3 PFBS	86		25 - 150	08/02/24 08:56	08/05/24 18:01	1
18O2 PFHxS	101		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C4 PFOS	99		25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C8 FOSA	70		10 - 150	08/02/24 08:56	08/05/24 18:01	1
d3-NMeFOSAA	28		25 - 150	08/02/24 08:56	08/05/24 18:01	1
d5-NEtFOSAA	58		25 - 150	08/02/24 08:56	08/05/24 18:01	1
d-N-MeFOSA-M	42		10 - 150	08/02/24 08:56	08/05/24 18:01	1
d-N-EtFOSA-M	63		10 - 150	08/02/24 08:56	08/05/24 18:01	1
d7-N-MeFOSE-M	41		10 - 150	08/02/24 08:56	08/05/24 18:01	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 08:56	08/05/24 18:01	1
M2-4:2 FTS	144		25 - 150	08/02/24 08:56	08/05/24 18:01	1
M2-6:2 FTS	141		25 - 150	08/02/24 08:56	08/05/24 18:01	1
M2-8:2 FTS	163	*5+	25 - 150	08/02/24 08:56	08/05/24 18:01	1
13C3 HFPO-DA	94		25 - 150	08/02/24 08:56	08/05/24 18:01	1

**Client Sample ID: MP-07-(195-217)-202407**

**Lab Sample ID: 320-114250-37**

Date Collected: 07/29/24 16:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/02/24 23:01	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 08:56	08/02/24 23:01	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/02/24 08:56	08/02/24 23:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(195-217)-202407**

**Lab Sample ID: 320-114250-37**

Date Collected: 07/29/24 16:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 08:56	08/02/24 23:01	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 08:56	08/02/24 23:01	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 08:56	08/02/24 23:01	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 08:56	08/02/24 23:01	1
NEtFOSE	<0.91		2.1	0.91	ng/L		08/02/24 08:56	08/02/24 23:01	1
4:2 FTS	<0.26		2.1	0.26	ng/L		08/02/24 08:56	08/02/24 23:01	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/02/24 08:56	08/02/24 23:01	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/02/24 08:56	08/02/24 23:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/02/24 08:56	08/02/24 23:01	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 08:56	08/02/24 23:01	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		08/02/24 08:56	08/02/24 23:01	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 08:56	08/02/24 23:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C5 PFPeA	94		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C2 PFHxA	97		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C4 PFHpA	105		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C4 PFOA	99		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C5 PFNA	109		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C2 PFDA	104		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C2 PFUnA	95		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C2 PFDoA	110		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C2 PFTeDA	100		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C3 PFBS	90		25 - 150				08/02/24 08:56	08/02/24 23:01	1
18O2 PFHxS	101		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C4 PFOS	99		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C8 FOSA	95		10 - 150				08/02/24 08:56	08/02/24 23:01	1
d3-NMeFOSAA	100		25 - 150				08/02/24 08:56	08/02/24 23:01	1
d5-NEtFOSAA	99		25 - 150				08/02/24 08:56	08/02/24 23:01	1
d-N-MeFOSA-M	80		10 - 150				08/02/24 08:56	08/02/24 23:01	1
d-N-EtFOSA-M	87		10 - 150				08/02/24 08:56	08/02/24 23:01	1
d7-N-MeFOSE-M	75		10 - 150				08/02/24 08:56	08/02/24 23:01	1
d9-N-EtFOSE-M	91		10 - 150				08/02/24 08:56	08/02/24 23:01	1
M2-4:2 FTS	103		25 - 150				08/02/24 08:56	08/02/24 23:01	1
M2-6:2 FTS	105		25 - 150				08/02/24 08:56	08/02/24 23:01	1
M2-8:2 FTS	134		25 - 150				08/02/24 08:56	08/02/24 23:01	1
13C3 HFPO-DA	93		25 - 150				08/02/24 08:56	08/02/24 23:01	1

**Client Sample ID: MP-07-(155-192)-202407**

**Lab Sample ID: 320-114250-38**

Date Collected: 07/29/24 17:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21		5.4	2.6	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluoropentanoic acid (PFPeA)	91		2.2	0.53	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorohexanoic acid (PFHxA)	59		2.2	0.63	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluoroheptanoic acid (PFHpA)	17		2.2	0.27	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorooctanoic acid (PFOA)	20		2.2	0.92	ng/L		08/02/24 08:56	08/02/24 23:14	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(155-192)-202407**

**Lab Sample ID: 320-114250-38**

**Date Collected: 07/29/24 17:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorononanoic acid (PFNA)</b>	<b>1.4</b>	<b>J</b>	2.2	0.29	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:56	08/02/24 23:14	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 08:56	08/02/24 23:14	1
NEtFOSA	<0.94		2.2	0.94	ng/L		08/02/24 08:56	08/02/24 23:14	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 08:56	08/02/24 23:14	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 08:56	08/02/24 23:14	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 08:56	08/02/24 23:14	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 08:56	08/02/24 23:14	1
NEtFOSE	<0.92		2.2	0.92	ng/L		08/02/24 08:56	08/02/24 23:14	1
<b>4:2 FTS</b>	<b>2.4</b>		2.2	0.26	ng/L		08/02/24 08:56	08/02/24 23:14	1
<b>6:2 FTS</b>	<b>340</b>		5.4	2.7	ng/L		08/02/24 08:56	08/02/24 23:14	1
<b>8:2 FTS</b>	<b>11</b>		2.2	0.50	ng/L		08/02/24 08:56	08/02/24 23:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/02/24 08:56	08/02/24 23:14	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 08:56	08/02/24 23:14	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 08:56	08/02/24 23:14	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 08:56	08/02/24 23:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C5 PFPeA	98		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C2 PFHxA	104		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C4 PFHpA	107		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C4 PFOA	100		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C5 PFNA	108		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C2 PFDA	107		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C2 PFUnA	101		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C2 PFDoA	102		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C2 PFTeDA	88		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C3 PFBS	87		25 - 150	08/02/24 08:56	08/02/24 23:14	1
18O2 PFHxS	102		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C4 PFOS	94		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C8 FOSA	97		10 - 150	08/02/24 08:56	08/02/24 23:14	1
d3-NMeFOSAA	91		25 - 150	08/02/24 08:56	08/02/24 23:14	1
d5-NEtFOSAA	88		25 - 150	08/02/24 08:56	08/02/24 23:14	1
d-N-MeFOSA-M	88		10 - 150	08/02/24 08:56	08/02/24 23:14	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(155-192)-202407**

**Lab Sample ID: 320-114250-38**

Date Collected: 07/29/24 17:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	89		10 - 150	08/02/24 08:56	08/02/24 23:14	1
d7-N-MeFOSE-M	83		10 - 150	08/02/24 08:56	08/02/24 23:14	1
d9-N-EtFOSE-M	91		10 - 150	08/02/24 08:56	08/02/24 23:14	1
M2-4:2 FTS	101		25 - 150	08/02/24 08:56	08/02/24 23:14	1
M2-6:2 FTS	101		25 - 150	08/02/24 08:56	08/02/24 23:14	1
M2-8:2 FTS	115		25 - 150	08/02/24 08:56	08/02/24 23:14	1
13C3 HFPO-DA	98		25 - 150	08/02/24 08:56	08/02/24 23:14	1

**Client Sample ID: MP-07-(115-152)-202407**

**Lab Sample ID: 320-114250-39**

Date Collected: 07/29/24 17:10

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	59		5.0	2.4	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluoropentanoic acid (PFPeA)	260		2.0	0.49	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorohexanoic acid (PFHxA)	160		2.0	0.59	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluoroheptanoic acid (PFHpA)	50		2.0	0.25	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorooctanoic acid (PFOA)	55		2.0	0.86	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorononanoic acid (PFNA)	3.0		2.0	0.27	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorohexanesulfonic acid (PFHxS)	1.2 J		2.0	0.58	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		08/02/24 08:56	08/05/24 18:38	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		08/02/24 08:56	08/05/24 18:38	1
NEtFOSA	<0.88		2.0	0.88	ng/L		08/02/24 08:56	08/05/24 18:38	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:56	08/05/24 18:38	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:56	08/05/24 18:38	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:56	08/05/24 18:38	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:56	08/05/24 18:38	1
NEtFOSE	<0.86		2.0	0.86	ng/L		08/02/24 08:56	08/05/24 18:38	1
4:2 FTS	7.0		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 18:38	1
8:2 FTS	23		2.0	0.46	ng/L		08/02/24 08:56	08/05/24 18:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:56	08/05/24 18:38	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:56	08/05/24 18:38	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/05/24 18:38	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/05/24 18:38	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(115-152)-202407**

**Lab Sample ID: 320-114250-39**

**Date Collected: 07/29/24 17:10**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C5 PFPeA	95		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C2 PFHxA	102		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C4 PFHpA	101		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C4 PFOA	100		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C5 PFNA	109		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C2 PFDA	106		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C2 PFUnA	109		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C2 PFDoA	110		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C2 PFTeDA	99		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C3 PFBS	88		25 - 150	08/02/24 08:56	08/05/24 18:38	1
18O2 PFHxS	99		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C4 PFOS	98		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C8 FOSA	93		10 - 150	08/02/24 08:56	08/05/24 18:38	1
d3-NMeFOSAA	92		25 - 150	08/02/24 08:56	08/05/24 18:38	1
d5-NEtFOSAA	105		25 - 150	08/02/24 08:56	08/05/24 18:38	1
d-N-MeFOSA-M	73		10 - 150	08/02/24 08:56	08/05/24 18:38	1
d-N-EtFOSA-M	88		10 - 150	08/02/24 08:56	08/05/24 18:38	1
d7-N-MeFOSE-M	70		10 - 150	08/02/24 08:56	08/05/24 18:38	1
d9-N-EtFOSE-M	94		10 - 150	08/02/24 08:56	08/05/24 18:38	1
M2-4:2 FTS	95		25 - 150	08/02/24 08:56	08/05/24 18:38	1
M2-8:2 FTS	131		25 - 150	08/02/24 08:56	08/05/24 18:38	1
13C3 HFPO-DA	99		25 - 150	08/02/24 08:56	08/05/24 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>6:2 FTS</b>	<b>840</b>		25	13	ng/L		08/02/24 08:56	08/05/24 18:26	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	107		25 - 150	08/02/24 08:56	08/05/24 18:26	5			

**Client Sample ID: MP-07-(080-112)-202407**

**Lab Sample ID: 320-114250-40**

**Date Collected: 07/29/24 17:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>3.8</b>	<b>J</b>	5.6	2.7	ng/L		08/02/24 08:56	08/05/24 18:13	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.85</b>	<b>J</b>	2.2	0.55	ng/L		08/02/24 08:56	08/05/24 18:13	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.75</b>	<b>J</b>	2.2	0.65	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorooctanoic acid (PFOA)	<0.95		2.2	0.95	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.2	0.62	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.2	1.5	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		08/02/24 08:56	08/05/24 18:13	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>3.2</b>		2.2	0.22	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		08/02/24 08:56	08/05/24 18:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(080-112)-202407**

**Lab Sample ID: 320-114250-40**

**Date Collected: 07/29/24 17:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 08:56	08/05/24 18:13	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 08:56	08/05/24 18:13	1
NEtFOSA	<0.97		2.2	0.97	ng/L		08/02/24 08:56	08/05/24 18:13	1
NMeFOSA	<0.48		2.2	0.48	ng/L		08/02/24 08:56	08/05/24 18:13	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		08/02/24 08:56	08/05/24 18:13	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		08/02/24 08:56	08/05/24 18:13	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 08:56	08/05/24 18:13	1
NEtFOSE	<0.95		2.2	0.95	ng/L		08/02/24 08:56	08/05/24 18:13	1
4:2 FTS	<0.27		2.2	0.27	ng/L		08/02/24 08:56	08/05/24 18:13	1
<b>6:2 FTS</b>	<b>2.8</b>	<b>J</b>	5.6	2.8	ng/L		08/02/24 08:56	08/05/24 18:13	1
8:2 FTS	<0.51		2.2	0.51	ng/L		08/02/24 08:56	08/05/24 18:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		08/02/24 08:56	08/05/24 18:13	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 08:56	08/05/24 18:13	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		08/02/24 08:56	08/05/24 18:13	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		08/02/24 08:56	08/05/24 18:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C5 PFPeA	90		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C2 PFHxA	91		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C4 PFHpA	94		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C4 PFOA	94		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C5 PFNA	99		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C2 PFDA	103		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C2 PFUnA	103		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C2 PFDoA	103		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C2 PFTeDA	93		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C3 PFBS	85		25 - 150	08/02/24 08:56	08/05/24 18:13	1
18O2 PFHxS	98		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C4 PFOS	97		25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C8 FOSA	90		10 - 150	08/02/24 08:56	08/05/24 18:13	1
d3-NMeFOSAA	59		25 - 150	08/02/24 08:56	08/05/24 18:13	1
d5-NEtFOSAA	98		25 - 150	08/02/24 08:56	08/05/24 18:13	1
d-N-MeFOSA-M	51		10 - 150	08/02/24 08:56	08/05/24 18:13	1
d-N-EtFOSA-M	73		10 - 150	08/02/24 08:56	08/05/24 18:13	1
d7-N-MeFOSE-M	47		10 - 150	08/02/24 08:56	08/05/24 18:13	1
d9-N-EtFOSE-M	83		10 - 150	08/02/24 08:56	08/05/24 18:13	1
M2-4:2 FTS	104		25 - 150	08/02/24 08:56	08/05/24 18:13	1
M2-6:2 FTS	98		25 - 150	08/02/24 08:56	08/05/24 18:13	1
M2-8:2 FTS	158	*5+	25 - 150	08/02/24 08:56	08/05/24 18:13	1
13C3 HFPO-DA	95		25 - 150	08/02/24 08:56	08/05/24 18:13	1



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(048-077)-202407**

**Lab Sample ID: 320-114250-41**

**Date Collected: 07/29/24 17:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<3.1		6.4	3.1	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluoropentanoic acid (PFPeA)	<0.63		2.6	0.63	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorohexanoic acid (PFHxA)	<0.74		2.6	0.74	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluoroheptanoic acid (PFHpA)	<0.32		2.6	0.32	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorooctanoic acid (PFOA)	<1.1		2.6	1.1	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorononanoic acid (PFNA)	<0.34		2.6	0.34	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.6	0.70	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.6	1.7	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.6	0.93	ng/L		08/02/24 11:54	08/06/24 02:47	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>14</b>		2.6	0.26	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.6	0.38	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorohexanesulfonic acid (PFHxS)	<0.73		2.6	0.73	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.6	0.24	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.6	0.69	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.6	0.47	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2	*1	2.6	1.2	ng/L		08/02/24 11:54	08/06/24 02:47	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		08/02/24 11:54	08/06/24 02:47	1
NETFOSA	<1.1		2.6	1.1	ng/L		08/02/24 11:54	08/06/24 02:47	1
NMeFOSA	<0.55		2.6	0.55	ng/L		08/02/24 11:54	08/06/24 02:47	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		08/02/24 11:54	08/06/24 02:47	1
NETFOSAA	<1.7		6.4	1.7	ng/L		08/02/24 11:54	08/06/24 02:47	1
NMeFOSE	<1.8		5.1	1.8	ng/L		08/02/24 11:54	08/06/24 02:47	1
NETFOSE	<1.1		2.6	1.1	ng/L		08/02/24 11:54	08/06/24 02:47	1
4:2 FTS	<0.31		2.6	0.31	ng/L		08/02/24 11:54	08/06/24 02:47	1
6:2 FTS	<3.2		6.4	3.2	ng/L		08/02/24 11:54	08/06/24 02:47	1
8:2 FTS	<0.59		2.6	0.59	ng/L		08/02/24 11:54	08/06/24 02:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.6	0.51	ng/L		08/02/24 11:54	08/06/24 02:47	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		08/02/24 11:54	08/06/24 02:47	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		08/02/24 11:54	08/06/24 02:47	1
11Cl-PF3OUdS	<0.41		2.6	0.41	ng/L		08/02/24 11:54	08/06/24 02:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C5 PFPeA	104		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C2 PFHxA	102		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C4 PFHpA	103		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C4 PFOA	102		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C5 PFNA	108		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C2 PFDA	110		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C2 PFUnA	95		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C2 PFDoA	114		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C2 PFTeDA	99		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C3 PFBS	94		25 - 150	08/02/24 11:54	08/06/24 02:47	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

Client Sample ID: MP-07-(048-077)-202407

Lab Sample ID: 320-114250-41

Date Collected: 07/29/24 17:30

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	106		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C4 PFOS	92		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C8 FOSA	102		10 - 150	08/02/24 11:54	08/06/24 02:47	1
d3-NMeFOSAA	104		25 - 150	08/02/24 11:54	08/06/24 02:47	1
d5-NEtFOSAA	103		25 - 150	08/02/24 11:54	08/06/24 02:47	1
d-N-MeFOSA-M	88		10 - 150	08/02/24 11:54	08/06/24 02:47	1
d-N-EtFOSA-M	96		10 - 150	08/02/24 11:54	08/06/24 02:47	1
d7-N-MeFOSE-M	79		10 - 150	08/02/24 11:54	08/06/24 02:47	1
d9-N-EtFOSE-M	99		10 - 150	08/02/24 11:54	08/06/24 02:47	1
M2-4:2 FTS	110		25 - 150	08/02/24 11:54	08/06/24 02:47	1
M2-6:2 FTS	108		25 - 150	08/02/24 11:54	08/06/24 02:47	1
M2-8:2 FTS	126		25 - 150	08/02/24 11:54	08/06/24 02:47	1
13C3 HFPO-DA	103		25 - 150	08/02/24 11:54	08/06/24 02:47	1

Client Sample ID: MP-08-(220-246)-202407

Lab Sample ID: 320-114250-42

Date Collected: 07/29/24 15:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96 *1		2.0	0.96	ng/L		08/02/24 11:54	08/06/24 19:43	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/02/24 11:54	08/06/24 19:43	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 11:54	08/06/24 19:43	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/02/24 11:54	08/06/24 19:43	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 11:54	08/06/24 19:43	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 11:54	08/06/24 19:43	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 11:54	08/06/24 19:43	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 11:54	08/06/24 19:43	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 19:43	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/02/24 11:54	08/06/24 19:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(220-246)-202407**

**Lab Sample ID: 320-114250-42**

**Date Collected: 07/29/24 15:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.45		2.0	0.45	ng/L		08/02/24 11:54	08/06/24 19:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/02/24 11:54	08/06/24 19:43	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 11:54	08/06/24 19:43	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 19:43	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 19:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C5 PFPeA	95		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C2 PFHxA	99		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C4 PFHpA	101		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C4 PFOA	101		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C5 PFNA	105		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C2 PFDA	105		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C2 PFUnA	100		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C2 PFDoA	103		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C2 PFTeDA	95		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C3 PFBS	86		25 - 150				08/02/24 11:54	08/06/24 19:43	1
18O2 PFHxS	103		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C4 PFOS	89		25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C8 FOSA	90		10 - 150				08/02/24 11:54	08/06/24 19:43	1
d3-NMeFOSAA	68		25 - 150				08/02/24 11:54	08/06/24 19:43	1
d5-NEtFOSAA	114		25 - 150				08/02/24 11:54	08/06/24 19:43	1
d-N-MeFOSA-M	66		10 - 150				08/02/24 11:54	08/06/24 19:43	1
d-N-EtFOSA-M	91		10 - 150				08/02/24 11:54	08/06/24 19:43	1
d7-N-MeFOSE-M	58		10 - 150				08/02/24 11:54	08/06/24 19:43	1
d9-N-EtFOSE-M	94		10 - 150				08/02/24 11:54	08/06/24 19:43	1
M2-4:2 FTS	122		25 - 150				08/02/24 11:54	08/06/24 19:43	1
M2-6:2 FTS	106		25 - 150				08/02/24 11:54	08/06/24 19:43	1
M2-8:2 FTS	169	*5+	25 - 150				08/02/24 11:54	08/06/24 19:43	1
13C3 HFPO-DA	100		25 - 150				08/02/24 11:54	08/06/24 19:43	1

**Client Sample ID: MP-08-(195-217)-202407**

**Lab Sample ID: 320-114250-43**

**Date Collected: 07/29/24 15:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 11:54	08/06/24 19:55	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(195-217)-202407**

**Lab Sample ID: 320-114250-43**

**Date Collected: 07/29/24 15:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95	*1	2.0	0.95	ng/L		08/02/24 11:54	08/06/24 19:55	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/02/24 11:54	08/06/24 19:55	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/02/24 11:54	08/06/24 19:55	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/02/24 11:54	08/06/24 19:55	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 11:54	08/06/24 19:55	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 11:54	08/06/24 19:55	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 11:54	08/06/24 19:55	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/02/24 11:54	08/06/24 19:55	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 19:55	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/02/24 11:54	08/06/24 19:55	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/02/24 11:54	08/06/24 19:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/02/24 11:54	08/06/24 19:55	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 11:54	08/06/24 19:55	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 19:55	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 19:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C5 PFPeA	101		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C2 PFHxA	104		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C4 PFHpA	103		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C4 PFOA	107		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C5 PFNA	114		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C2 PFDA	106		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C2 PFUnA	111		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C2 PFDoA	112		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C2 PFTeDA	100		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C3 PFBS	90		25 - 150	08/02/24 11:54	08/06/24 19:55	1
18O2 PFHxS	105		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C4 PFOS	105		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C8 FOSA	105		10 - 150	08/02/24 11:54	08/06/24 19:55	1
d3-NMeFOSAA	90		25 - 150	08/02/24 11:54	08/06/24 19:55	1
d5-NEtFOSAA	117		25 - 150	08/02/24 11:54	08/06/24 19:55	1
d-N-MeFOSA-M	83		10 - 150	08/02/24 11:54	08/06/24 19:55	1
d-N-EtFOSA-M	101		10 - 150	08/02/24 11:54	08/06/24 19:55	1
d7-N-MeFOSE-M	74		10 - 150	08/02/24 11:54	08/06/24 19:55	1
d9-N-EtFOSE-M	99		10 - 150	08/02/24 11:54	08/06/24 19:55	1
M2-4:2 FTS	114		25 - 150	08/02/24 11:54	08/06/24 19:55	1
M2-6:2 FTS	112		25 - 150	08/02/24 11:54	08/06/24 19:55	1
M2-8:2 FTS	150		25 - 150	08/02/24 11:54	08/06/24 19:55	1
13C3 HFPO-DA	102		25 - 150	08/02/24 11:54	08/06/24 19:55	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(155-192)-202407**

**Lab Sample ID: 320-114250-44**

**Date Collected: 07/29/24 15:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0 *1		2.1	1.0	ng/L		08/02/24 11:54	08/06/24 03:50	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/02/24 11:54	08/06/24 03:50	1
NEtFOSA	<0.92		2.1	0.92	ng/L		08/02/24 11:54	08/06/24 03:50	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/02/24 11:54	08/06/24 03:50	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/02/24 11:54	08/06/24 03:50	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/02/24 11:54	08/06/24 03:50	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/02/24 11:54	08/06/24 03:50	1
NEtFOSE	<0.90		2.1	0.90	ng/L		08/02/24 11:54	08/06/24 03:50	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/02/24 11:54	08/06/24 03:50	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/02/24 11:54	08/06/24 03:50	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/02/24 11:54	08/06/24 03:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/02/24 11:54	08/06/24 03:50	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/02/24 11:54	08/06/24 03:50	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/02/24 11:54	08/06/24 03:50	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/02/24 11:54	08/06/24 03:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C5 PFPeA	89		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C2 PFHxA	94		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C4 PFHpA	99		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C4 PFOA	101		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C5 PFNA	96		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C2 PFDA	98		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C2 PFUnA	91		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C2 PFDoA	94		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C2 PFTeDA	85		25 - 150				08/02/24 11:54	08/06/24 03:50	1
13C3 PFBS	85		25 - 150				08/02/24 11:54	08/06/24 03:50	1
18O2 PFHxS	104		25 - 150				08/02/24 11:54	08/06/24 03:50	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

Client Sample ID: MP-08-(155-192)-202407

Lab Sample ID: 320-114250-44

Date Collected: 07/29/24 15:20

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	99		25 - 150	08/02/24 11:54	08/06/24 03:50	1
13C8 FOSA	98		10 - 150	08/02/24 11:54	08/06/24 03:50	1
d3-NMeFOSAA	91		25 - 150	08/02/24 11:54	08/06/24 03:50	1
d5-NEtFOSAA	89		25 - 150	08/02/24 11:54	08/06/24 03:50	1
d-N-MeFOSA-M	98		10 - 150	08/02/24 11:54	08/06/24 03:50	1
d-N-EtFOSA-M	88		10 - 150	08/02/24 11:54	08/06/24 03:50	1
d7-N-MeFOSE-M	82		10 - 150	08/02/24 11:54	08/06/24 03:50	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 11:54	08/06/24 03:50	1
M2-4:2 FTS	102		25 - 150	08/02/24 11:54	08/06/24 03:50	1
M2-6:2 FTS	105		25 - 150	08/02/24 11:54	08/06/24 03:50	1
M2-8:2 FTS	99		25 - 150	08/02/24 11:54	08/06/24 03:50	1
13C3 HFPO-DA	92		25 - 150	08/02/24 11:54	08/06/24 03:50	1

Client Sample ID: MP-08-(115-152)-202407

Lab Sample ID: 320-114250-45

Date Collected: 07/29/24 15:25

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.8	J	5.5	2.6	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluoropentanoic acid (PFPeA)	14		2.2	0.54	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorohexanoic acid (PFHxA)	9.2		2.2	0.63	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluoroheptanoic acid (PFHpA)	1.4	J	2.2	0.27	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 04:02	1
Perfluorooctanesulfonamide (FOSA)	1.5	J	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 04:02	1
NEtFOSA	<0.95		2.2	0.95	ng/L		08/02/24 11:54	08/06/24 04:02	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 11:54	08/06/24 04:02	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		08/02/24 11:54	08/06/24 04:02	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		08/02/24 11:54	08/06/24 04:02	1
NMeFOSE	<1.5		4.4	1.5	ng/L		08/02/24 11:54	08/06/24 04:02	1
NEtFOSE	<0.93		2.2	0.93	ng/L		08/02/24 11:54	08/06/24 04:02	1
4:2 FTS	0.42	J	2.2	0.26	ng/L		08/02/24 11:54	08/06/24 04:02	1
6:2 FTS	3.3	J	5.5	2.7	ng/L		08/02/24 11:54	08/06/24 04:02	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(115-152)-202407**

**Lab Sample ID: 320-114250-45**

**Date Collected: 07/29/24 15:25**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.50		2.2	0.50	ng/L		08/02/24 11:54	08/06/24 04:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		08/02/24 11:54	08/06/24 04:02	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		08/02/24 11:54	08/06/24 04:02	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 04:02	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 04:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C5 PFPeA	102		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C2 PFHxA	106		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C4 PFHpA	103		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C4 PFOA	104		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C5 PFNA	113		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C2 PFDA	113		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C2 PFUnA	109		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C2 PFDoA	120		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C2 PFTeDA	107		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C3 PFBS	89		25 - 150				08/02/24 11:54	08/06/24 04:02	1
18O2 PFHxS	106		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C4 PFOS	109		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C8 FOSA	101		10 - 150				08/02/24 11:54	08/06/24 04:02	1
d3-NMeFOSAA	108		25 - 150				08/02/24 11:54	08/06/24 04:02	1
d5-NEtFOSAA	114		25 - 150				08/02/24 11:54	08/06/24 04:02	1
d-N-MeFOSA-M	93		10 - 150				08/02/24 11:54	08/06/24 04:02	1
d-N-EtFOSA-M	101		10 - 150				08/02/24 11:54	08/06/24 04:02	1
d7-N-MeFOSE-M	79		10 - 150				08/02/24 11:54	08/06/24 04:02	1
d9-N-EtFOSE-M	110		10 - 150				08/02/24 11:54	08/06/24 04:02	1
M2-4:2 FTS	115		25 - 150				08/02/24 11:54	08/06/24 04:02	1
M2-6:2 FTS	108		25 - 150				08/02/24 11:54	08/06/24 04:02	1
M2-8:2 FTS	148		25 - 150				08/02/24 11:54	08/06/24 04:02	1
13C3 HFPO-DA	104		25 - 150				08/02/24 11:54	08/06/24 04:02	1

**Client Sample ID: MP-08-(080-112)-202407**

**Lab Sample ID: 320-114250-46**

**Date Collected: 07/29/24 15:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	100		5.7	2.8	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluoropentanoic acid (PFPeA)	410		2.3	0.56	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorohexanoic acid (PFHxA)	250		2.3	0.67	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluoroheptanoic acid (PFHpA)	55		2.3	0.29	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorooctanoic acid (PFOA)	13		2.3	0.97	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		08/02/24 11:54	08/06/24 04:15	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(080-112)-202407**

**Lab Sample ID: 320-114250-46**

Date Collected: 07/29/24 15:50

Matrix: Water

Date Received: 08/01/24 08:45

**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>0.59</b>	<b>J</b>	2.3	0.23	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		08/02/24 11:54	08/06/24 04:15	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.0</b>	<b>J</b>	2.3	0.65	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.62		2.3	0.62	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.3	1.1	ng/L		08/02/24 11:54	08/06/24 04:15	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 11:54	08/06/24 04:15	1
NEtFOSA	<1.0		2.3	1.0	ng/L		08/02/24 11:54	08/06/24 04:15	1
NMeFOSA	<0.49		2.3	0.49	ng/L		08/02/24 11:54	08/06/24 04:15	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		08/02/24 11:54	08/06/24 04:15	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		08/02/24 11:54	08/06/24 04:15	1
NMeFOSE	<1.6		4.6	1.6	ng/L		08/02/24 11:54	08/06/24 04:15	1
NEtFOSE	<0.97		2.3	0.97	ng/L		08/02/24 11:54	08/06/24 04:15	1
<b>4:2 FTS</b>	<b>17</b>		2.3	0.28	ng/L		08/02/24 11:54	08/06/24 04:15	1
<b>6:2 FTS</b>	<b>210</b>		5.7	2.9	ng/L		08/02/24 11:54	08/06/24 04:15	1
8:2 FTS	<0.53		2.3	0.53	ng/L		08/02/24 11:54	08/06/24 04:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		08/02/24 11:54	08/06/24 04:15	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		08/02/24 11:54	08/06/24 04:15	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		08/02/24 11:54	08/06/24 04:15	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		08/02/24 11:54	08/06/24 04:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C5 PFPeA	104		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C2 PFHxA	106		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C4 PFHpA	107		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C4 PFOA	106		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C5 PFNA	109		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C2 PFDA	106		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C2 PFUnA	102		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C2 PFDoA	108		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C2 PFTeDA	96		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C3 PFBS	92		25 - 150	08/02/24 11:54	08/06/24 04:15	1
18O2 PFHxS	104		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C4 PFOS	97		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C8 FOSA	102		10 - 150	08/02/24 11:54	08/06/24 04:15	1
d3-NMeFOSAA	98		25 - 150	08/02/24 11:54	08/06/24 04:15	1
d5-NEtFOSAA	96		25 - 150	08/02/24 11:54	08/06/24 04:15	1
d-N-MeFOSA-M	97		10 - 150	08/02/24 11:54	08/06/24 04:15	1
d-N-EtFOSA-M	94		10 - 150	08/02/24 11:54	08/06/24 04:15	1
d7-N-MeFOSE-M	87		10 - 150	08/02/24 11:54	08/06/24 04:15	1
d9-N-EtFOSE-M	98		10 - 150	08/02/24 11:54	08/06/24 04:15	1
M2-4:2 FTS	113		25 - 150	08/02/24 11:54	08/06/24 04:15	1
M2-6:2 FTS	97		25 - 150	08/02/24 11:54	08/06/24 04:15	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(080-112)-202407**

**Lab Sample ID: 320-114250-46**

Date Collected: 07/29/24 15:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	103		25 - 150	08/02/24 11:54	08/06/24 04:15	1
13C3 HFPO-DA	100		25 - 150	08/02/24 11:54	08/06/24 04:15	1

**Client Sample ID: MP-08-(048-077)-202407**

**Lab Sample ID: 320-114250-47**

Date Collected: 07/29/24 16:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.2	0.55	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.2	0.65	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorooctanoic acid (PFOA)	<0.96		2.2	0.96	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.2	0.62	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.2	1.5	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		08/02/24 11:54	08/06/24 04:27	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>9.5</b>		2.2	0.22	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.2	0.61	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.2	0.42	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 04:27	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 11:54	08/06/24 04:27	1
NEtFOSA	<0.98		2.2	0.98	ng/L		08/02/24 11:54	08/06/24 04:27	1
NMeFOSA	<0.48		2.2	0.48	ng/L		08/02/24 11:54	08/06/24 04:27	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		08/02/24 11:54	08/06/24 04:27	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		08/02/24 11:54	08/06/24 04:27	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 11:54	08/06/24 04:27	1
NEtFOSE	<0.96		2.2	0.96	ng/L		08/02/24 11:54	08/06/24 04:27	1
4:2 FTS	<0.27		2.2	0.27	ng/L		08/02/24 11:54	08/06/24 04:27	1
6:2 FTS	<2.8		5.6	2.8	ng/L		08/02/24 11:54	08/06/24 04:27	1
8:2 FTS	<0.52		2.2	0.52	ng/L		08/02/24 11:54	08/06/24 04:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		08/02/24 11:54	08/06/24 04:27	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 11:54	08/06/24 04:27	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		08/02/24 11:54	08/06/24 04:27	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		08/02/24 11:54	08/06/24 04:27	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	102		25 - 150	08/02/24 11:54	08/06/24 04:27	1			
13C5 PFPeA	96		25 - 150	08/02/24 11:54	08/06/24 04:27	1			
13C2 PFHxA	100		25 - 150	08/02/24 11:54	08/06/24 04:27	1			

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(048-077)-202407**

**Lab Sample ID: 320-114250-47**

Date Collected: 07/29/24 16:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	103		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C4 PFOA	101		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C5 PFNA	106		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C2 PFDA	97		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C2 PFUnA	95		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C2 PFDoA	97		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C2 PFTeDA	91		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C3 PFBS	91		25 - 150	08/02/24 11:54	08/06/24 04:27	1
18O2 PFHxS	108		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C4 PFOS	107		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C8 FOSA	100		10 - 150	08/02/24 11:54	08/06/24 04:27	1
d3-NMeFOSAA	94		25 - 150	08/02/24 11:54	08/06/24 04:27	1
d5-NEtFOSAA	89		25 - 150	08/02/24 11:54	08/06/24 04:27	1
d-N-MeFOSA-M	92		10 - 150	08/02/24 11:54	08/06/24 04:27	1
d-N-EtFOSA-M	95		10 - 150	08/02/24 11:54	08/06/24 04:27	1
d7-N-MeFOSE-M	81		10 - 150	08/02/24 11:54	08/06/24 04:27	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 11:54	08/06/24 04:27	1
M2-4:2 FTS	104		25 - 150	08/02/24 11:54	08/06/24 04:27	1
M2-6:2 FTS	103		25 - 150	08/02/24 11:54	08/06/24 04:27	1
M2-8:2 FTS	99		25 - 150	08/02/24 11:54	08/06/24 04:27	1
13C3 HFPO-DA	102		25 - 150	08/02/24 11:54	08/06/24 04:27	1

**Client Sample ID: DUP-01-202407**

**Lab Sample ID: 320-114250-48**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorooctanoic acid (PFOA)	<0.92		2.2	0.92	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 20:08	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 11:54	08/06/24 20:08	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-01-202407**

**Lab Sample ID: 320-114250-48**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.94		2.2	0.94	ng/L		08/02/24 11:54	08/06/24 20:08	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 11:54	08/06/24 20:08	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 11:54	08/06/24 20:08	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 11:54	08/06/24 20:08	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 11:54	08/06/24 20:08	1
NEtFOSE	<0.92		2.2	0.92	ng/L		08/02/24 11:54	08/06/24 20:08	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 20:08	1
6:2 FTS	<2.7		5.4	2.7	ng/L		08/02/24 11:54	08/06/24 20:08	1
8:2 FTS	<0.50		2.2	0.50	ng/L		08/02/24 11:54	08/06/24 20:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/02/24 11:54	08/06/24 20:08	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 11:54	08/06/24 20:08	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 20:08	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 20:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C5 PFPeA	96		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C2 PFHxA	105		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C4 PFHpA	98		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C4 PFOA	103		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C5 PFNA	109		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C2 PFDA	105		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C2 PFUnA	108		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C2 PFDoA	106		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C2 PFTeDA	100		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C3 PFBS	89		25 - 150				08/02/24 11:54	08/06/24 20:08	1
18O2 PFHxS	107		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C4 PFOS	102		25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C8 FOSA	100		10 - 150				08/02/24 11:54	08/06/24 20:08	1
d3-NMeFOSAA	70		25 - 150				08/02/24 11:54	08/06/24 20:08	1
d5-NEtFOSAA	119		25 - 150				08/02/24 11:54	08/06/24 20:08	1
d-N-MeFOSA-M	70		10 - 150				08/02/24 11:54	08/06/24 20:08	1
d-N-EtFOSA-M	89		10 - 150				08/02/24 11:54	08/06/24 20:08	1
d7-N-MeFOSE-M	60		10 - 150				08/02/24 11:54	08/06/24 20:08	1
d9-N-EtFOSE-M	100		10 - 150				08/02/24 11:54	08/06/24 20:08	1
M2-4:2 FTS	118		25 - 150				08/02/24 11:54	08/06/24 20:08	1
M2-6:2 FTS	116		25 - 150				08/02/24 11:54	08/06/24 20:08	1
M2-8:2 FTS	199	*5+	25 - 150				08/02/24 11:54	08/06/24 20:08	1
13C3 HFPO-DA	101		25 - 150				08/02/24 11:54	08/06/24 20:08	1

**Client Sample ID: DUP-02-202407**

**Lab Sample ID: 320-114250-49**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	20		5.0	2.4	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluoropentanoic acid (PFPeA)	100		2.0	0.49	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorohexanoic acid (PFHxA)	60		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluoroheptanoic acid (PFHpA)	16		2.0	0.25	ng/L		08/02/24 11:54	08/06/24 20:20	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

Client Sample ID: DUP-02-202407

Lab Sample ID: 320-114250-49

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	17		2.0	0.84	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorononanoic acid (PFNA)	0.75	J	2.0	0.27	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96	*1	2.0	0.96	ng/L		08/02/24 11:54	08/06/24 20:20	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/02/24 11:54	08/06/24 20:20	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 11:54	08/06/24 20:20	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 11:54	08/06/24 20:20	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 11:54	08/06/24 20:20	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 11:54	08/06/24 20:20	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 11:54	08/06/24 20:20	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 11:54	08/06/24 20:20	1
4:2 FTS	2.1		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 20:20	1
6:2 FTS	270		5.0	2.5	ng/L		08/02/24 11:54	08/06/24 20:20	1
8:2 FTS	5.0		2.0	0.46	ng/L		08/02/24 11:54	08/06/24 20:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 11:54	08/06/24 20:20	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 11:54	08/06/24 20:20	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 20:20	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 20:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C5 PFPeA	97		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C2 PFHxA	100		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C4 PFHpA	101		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C4 PFOA	102		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C5 PFNA	115		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C2 PFDA	102		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C2 PFUnA	83		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C2 PFDoA	103		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C2 PFTeDA	90		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C3 PFBS	85		25 - 150	08/02/24 11:54	08/06/24 20:20	1
18O2 PFHxS	105		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C4 PFOS	97		25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C8 FOSA	79		10 - 150	08/02/24 11:54	08/06/24 20:20	1
d3-NMeFOSAA	28		25 - 150	08/02/24 11:54	08/06/24 20:20	1
d5-NEtFOSAA	63		25 - 150	08/02/24 11:54	08/06/24 20:20	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

Client Sample ID: DUP-02-202407

Lab Sample ID: 320-114250-49

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	47		10 - 150	08/02/24 11:54	08/06/24 20:20	1
d-N-EtFOSA-M	72		10 - 150	08/02/24 11:54	08/06/24 20:20	1
d7-N-MeFOSE-M	49		10 - 150	08/02/24 11:54	08/06/24 20:20	1
d9-N-EtFOSE-M	95		10 - 150	08/02/24 11:54	08/06/24 20:20	1
M2-4:2 FTS	127		25 - 150	08/02/24 11:54	08/06/24 20:20	1
M2-6:2 FTS	115		25 - 150	08/02/24 11:54	08/06/24 20:20	1
M2-8:2 FTS	184	*5+	25 - 150	08/02/24 11:54	08/06/24 20:20	1
13C3 HFPO-DA	100		25 - 150	08/02/24 11:54	08/06/24 20:20	1

Client Sample ID: DUP-03-202407

Lab Sample ID: 320-114250-50

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		5.4	2.6	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoropentanoic acid (PFPeA)	20		2.2	0.53	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorohexanoic acid (PFHxA)	13		2.2	0.63	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoroheptanoic acid (PFHpA)	15		2.2	0.27	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorooctanoic acid (PFOA)	7.5		2.2	0.92	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorononanoic acid (PFNA)	6.3		2.2	0.29	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorobutanesulfonic acid (PFBS)	0.75	J	2.2	0.22	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.62		2.2	0.62	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1	*1	2.2	1.1	ng/L		08/02/24 11:54	08/06/24 05:05	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 11:54	08/06/24 05:05	1
NEtFOSA	<0.94		2.2	0.94	ng/L		08/02/24 11:54	08/06/24 05:05	1
NMeFOSA	<0.47		2.2	0.47	ng/L		08/02/24 11:54	08/06/24 05:05	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 11:54	08/06/24 05:05	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 11:54	08/06/24 05:05	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 11:54	08/06/24 05:05	1
NEtFOSE	<0.92		2.2	0.92	ng/L		08/02/24 11:54	08/06/24 05:05	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 05:05	1
6:2 FTS	<2.7		5.4	2.7	ng/L		08/02/24 11:54	08/06/24 05:05	1
8:2 FTS	<0.50		2.2	0.50	ng/L		08/02/24 11:54	08/06/24 05:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/02/24 11:54	08/06/24 05:05	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 11:54	08/06/24 05:05	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

Client Sample ID: DUP-03-202407

Lab Sample ID: 320-114250-50

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 11:54	08/06/24 05:05	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 11:54	08/06/24 05:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C5 PFPeA	98		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C2 PFHxA	106		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C4 PFHpA	107		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C4 PFOA	104		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C5 PFNA	104		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C2 PFDA	105		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C2 PFUnA	102		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C2 PFDoA	110		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C2 PFTeDA	104		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C3 PFBS	87		25 - 150				08/02/24 11:54	08/06/24 05:05	1
18O2 PFHxS	110		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C4 PFOS	97		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C8 FOSA	101		10 - 150				08/02/24 11:54	08/06/24 05:05	1
d3-NMeFOSAA	105		25 - 150				08/02/24 11:54	08/06/24 05:05	1
d5-NEtFOSAA	104		25 - 150				08/02/24 11:54	08/06/24 05:05	1
d-N-MeFOSA-M	93		10 - 150				08/02/24 11:54	08/06/24 05:05	1
d-N-EtFOSA-M	96		10 - 150				08/02/24 11:54	08/06/24 05:05	1
d7-N-MeFOSE-M	81		10 - 150				08/02/24 11:54	08/06/24 05:05	1
d9-N-EtFOSE-M	98		10 - 150				08/02/24 11:54	08/06/24 05:05	1
M2-4:2 FTS	109		25 - 150				08/02/24 11:54	08/06/24 05:05	1
M2-6:2 FTS	113		25 - 150				08/02/24 11:54	08/06/24 05:05	1
M2-8:2 FTS	127		25 - 150				08/02/24 11:54	08/06/24 05:05	1
13C3 HFPO-DA	101		25 - 150				08/02/24 11:54	08/06/24 05:05	1

Client Sample ID: DUP-04-202407

Lab Sample ID: 320-114250-51

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

## 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		08/02/24 12:02	08/05/24 21:09	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorohexanoic acid (PFHxA)	<0.57		1.9	0.57	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorotridecanoic acid (PFTeDA)	<1.3		1.9	1.3	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		1.9	0.56	ng/L		08/02/24 12:02	08/05/24 21:09	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-04-202407**

**Lab Sample ID: 320-114250-51**

**Date Collected: 07/30/24 00:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		1.9	0.53	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		1.9	0.95	ng/L		08/02/24 12:02	08/05/24 21:09	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/02/24 12:02	08/05/24 21:09	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/02/24 12:02	08/05/24 21:09	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/02/24 12:02	08/05/24 21:09	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/02/24 12:02	08/05/24 21:09	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/02/24 12:02	08/05/24 21:09	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/02/24 12:02	08/05/24 21:09	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/02/24 12:02	08/05/24 21:09	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 21:09	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/02/24 12:02	08/05/24 21:09	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/02/24 12:02	08/05/24 21:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/02/24 12:02	08/05/24 21:09	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/02/24 12:02	08/05/24 21:09	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 21:09	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/02/24 12:02	08/05/24 21:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C5 PFPeA	91		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C2 PFHxA	92		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C4 PFHpA	96		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C4 PFOA	97		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C5 PFNA	104		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C2 PFDA	98		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C2 PFUnA	79		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C2 PFDoA	93		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C2 PFTeDA	91		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C3 PFBS	81		25 - 150				08/02/24 12:02	08/05/24 21:09	1
18O2 PFHxS	100		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C4 PFOS	88		25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C8 FOSA	74		10 - 150				08/02/24 12:02	08/05/24 21:09	1
d3-NMeFOSAA	31		25 - 150				08/02/24 12:02	08/05/24 21:09	1
d5-NEtFOSAA	66		25 - 150				08/02/24 12:02	08/05/24 21:09	1
d-N-MeFOSA-M	45		10 - 150				08/02/24 12:02	08/05/24 21:09	1
d-N-EtFOSA-M	65		10 - 150				08/02/24 12:02	08/05/24 21:09	1
d7-N-MeFOSE-M	40		10 - 150				08/02/24 12:02	08/05/24 21:09	1
d9-N-EtFOSE-M	79		10 - 150				08/02/24 12:02	08/05/24 21:09	1
M2-4:2 FTS	140		25 - 150				08/02/24 12:02	08/05/24 21:09	1
M2-6:2 FTS	117		25 - 150				08/02/24 12:02	08/05/24 21:09	1
M2-8:2 FTS	172	*5+	25 - 150				08/02/24 12:02	08/05/24 21:09	1
13C3 HFPO-DA	92		25 - 150				08/02/24 12:02	08/05/24 21:09	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-05-202407**

**Lab Sample ID: 320-114250-52**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	38		5.4	2.6	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluoropentanoic acid (PFPeA)	96		2.2	0.53	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorohexanoic acid (PFHxA)	62		2.2	0.63	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluoroheptanoic acid (PFHpA)	53		2.2	0.27	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorooctanoic acid (PFOA)	45		2.2	0.92	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorononanoic acid (PFNA)	5.4		2.2	0.29	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		08/02/24 12:02	08/05/24 21:21	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 12:02	08/05/24 21:21	1
NETFOSA	<0.94		2.2	0.94	ng/L		08/02/24 12:02	08/05/24 21:21	1
NMeFOSA	<0.46		2.2	0.46	ng/L		08/02/24 12:02	08/05/24 21:21	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/02/24 12:02	08/05/24 21:21	1
NETFOSAA	<1.4		5.4	1.4	ng/L		08/02/24 12:02	08/05/24 21:21	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/02/24 12:02	08/05/24 21:21	1
NETFOSE	<0.92		2.2	0.92	ng/L		08/02/24 12:02	08/05/24 21:21	1
4:2 FTS	<0.26		2.2	0.26	ng/L		08/02/24 12:02	08/05/24 21:21	1
6:2 FTS	<2.7		5.4	2.7	ng/L		08/02/24 12:02	08/05/24 21:21	1
8:2 FTS	<0.50		2.2	0.50	ng/L		08/02/24 12:02	08/05/24 21:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/02/24 12:02	08/05/24 21:21	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/02/24 12:02	08/05/24 21:21	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		08/02/24 12:02	08/05/24 21:21	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		08/02/24 12:02	08/05/24 21:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C5 PFPeA	96		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C2 PFHxA	99		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C4 PFHpA	103		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C4 PFOA	103		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C5 PFNA	104		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C2 PFDA	106		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C2 PFUnA	108		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C2 PFDoA	116		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C2 PFTeDA	104		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C3 PFBS	89		25 - 150	08/02/24 12:02	08/05/24 21:21	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-05-202407**

**Lab Sample ID: 320-114250-52**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	104		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C4 PFOS	95		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C8 FOSA	97		10 - 150	08/02/24 12:02	08/05/24 21:21	1
d3-NMeFOSAA	101		25 - 150	08/02/24 12:02	08/05/24 21:21	1
d5-NEtFOSAA	102		25 - 150	08/02/24 12:02	08/05/24 21:21	1
d-N-MeFOSA-M	89		10 - 150	08/02/24 12:02	08/05/24 21:21	1
d-N-EtFOSA-M	101		10 - 150	08/02/24 12:02	08/05/24 21:21	1
d7-N-MeFOSE-M	82		10 - 150	08/02/24 12:02	08/05/24 21:21	1
d9-N-EtFOSE-M	98		10 - 150	08/02/24 12:02	08/05/24 21:21	1
M2-4:2 FTS	103		25 - 150	08/02/24 12:02	08/05/24 21:21	1
M2-6:2 FTS	111		25 - 150	08/02/24 12:02	08/05/24 21:21	1
M2-8:2 FTS	120		25 - 150	08/02/24 12:02	08/05/24 21:21	1
13C3 HFPO-DA	104		25 - 150	08/02/24 12:02	08/05/24 21:21	1

**Client Sample ID: DUP-06-202407**

**Lab Sample ID: 320-114250-53**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		5.6	2.7	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluoropentanoic acid (PFPeA)	45		2.2	0.55	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorohexanoic acid (PFHxA)	28		2.2	0.65	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluoroheptanoic acid (PFHpA)	9.8		2.2	0.28	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorooctanoic acid (PFOA)	7.4		2.2	0.95	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorononanoic acid (PFNA)	0.58	J	2.2	0.30	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		08/02/24 12:02	08/05/24 21:34	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/02/24 12:02	08/05/24 21:34	1
NEtFOSA	<0.97		2.2	0.97	ng/L		08/02/24 12:02	08/05/24 21:34	1
NMeFOSA	<0.48		2.2	0.48	ng/L		08/02/24 12:02	08/05/24 21:34	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		08/02/24 12:02	08/05/24 21:34	1
NEtFOSAA	<1.4		5.6	1.4	ng/L		08/02/24 12:02	08/05/24 21:34	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 12:02	08/05/24 21:34	1
NEtFOSE	<0.95		2.2	0.95	ng/L		08/02/24 12:02	08/05/24 21:34	1
4:2 FTS	<0.27		2.2	0.27	ng/L		08/02/24 12:02	08/05/24 21:34	1
6:2 FTS	52		5.6	2.8	ng/L		08/02/24 12:02	08/05/24 21:34	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-06-202407**

**Lab Sample ID: 320-114250-53**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>8:2 FTS</b>	<b>4.4</b>		2.2	0.51	ng/L		08/02/24 12:02	08/05/24 21:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		08/02/24 12:02	08/05/24 21:34	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 12:02	08/05/24 21:34	1
9CI-PF3ONS	<0.27		2.2	0.27	ng/L		08/02/24 12:02	08/05/24 21:34	1
11CI-PF3OUdS	<0.36		2.2	0.36	ng/L		08/02/24 12:02	08/05/24 21:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C5 PFPeA	98		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C2 PFHxA	100		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C4 PFHpA	103		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C4 PFOA	102		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C5 PFNA	103		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C2 PFDA	100		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C2 PFUnA	97		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C2 PFDoA	110		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C2 PFTeDA	89		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C3 PFBS	86		25 - 150				08/02/24 12:02	08/05/24 21:34	1
18O2 PFHxS	100		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C4 PFOS	92		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C8 FOSA	94		10 - 150				08/02/24 12:02	08/05/24 21:34	1
d3-NMeFOSAA	95		25 - 150				08/02/24 12:02	08/05/24 21:34	1
d5-NEtFOSAA	96		25 - 150				08/02/24 12:02	08/05/24 21:34	1
d-N-MeFOSA-M	84		10 - 150				08/02/24 12:02	08/05/24 21:34	1
d-N-EtFOSA-M	92		10 - 150				08/02/24 12:02	08/05/24 21:34	1
d7-N-MeFOSE-M	82		10 - 150				08/02/24 12:02	08/05/24 21:34	1
d9-N-EtFOSE-M	96		10 - 150				08/02/24 12:02	08/05/24 21:34	1
M2-4:2 FTS	103		25 - 150				08/02/24 12:02	08/05/24 21:34	1
M2-6:2 FTS	105		25 - 150				08/02/24 12:02	08/05/24 21:34	1
M2-8:2 FTS	91		25 - 150				08/02/24 12:02	08/05/24 21:34	1
13C3 HFPO-DA	98		25 - 150				08/02/24 12:02	08/05/24 21:34	1

**Client Sample ID: DUP-07-202407**

**Lab Sample ID: 320-114250-54**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>71</b>		5.7	2.7	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>290</b>		2.3	0.55	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>180</b>		2.3	0.66	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>92</b>		2.3	0.28	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>110</b>		2.3	0.96	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>10</b>		2.3	0.31	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>1.8 J</b>		2.3	0.35	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		08/02/24 12:02	08/05/24 21:46	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-07-202407**

**Lab Sample ID: 320-114250-54**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

**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>0.40</b>	<b>J</b>	2.3	0.23	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>0.99</b>	<b>J</b>	2.3	0.64	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>3.1</b>		2.3	0.61	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		08/02/24 12:02	08/05/24 21:46	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		08/02/24 12:02	08/05/24 21:46	1
NEtFOSA	<0.98		2.3	0.98	ng/L		08/02/24 12:02	08/05/24 21:46	1
NMeFOSA	<0.49		2.3	0.49	ng/L		08/02/24 12:02	08/05/24 21:46	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		08/02/24 12:02	08/05/24 21:46	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		08/02/24 12:02	08/05/24 21:46	1
NMeFOSE	<1.6		4.5	1.6	ng/L		08/02/24 12:02	08/05/24 21:46	1
NEtFOSE	<0.96		2.3	0.96	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>4:2 FTS</b>	<b>4.6</b>		2.3	0.27	ng/L		08/02/24 12:02	08/05/24 21:46	1
<b>8:2 FTS</b>	<b>280</b>		2.3	0.52	ng/L		08/02/24 12:02	08/05/24 21:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		08/02/24 12:02	08/05/24 21:46	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		08/02/24 12:02	08/05/24 21:46	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		08/02/24 12:02	08/05/24 21:46	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		08/02/24 12:02	08/05/24 21:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C5 PFPeA	102		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C2 PFHxA	110		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C4 PFHpA	108		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C4 PFOA	105		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C5 PFNA	107		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C2 PFDA	111		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C2 PFUnA	112		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C2 PFDoA	127		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C2 PFTeDA	106		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C3 PFBS	95		25 - 150	08/02/24 12:02	08/05/24 21:46	1
18O2 PFHxS	106		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C4 PFOS	106		25 - 150	08/02/24 12:02	08/05/24 21:46	1
13C8 FOSA	107		10 - 150	08/02/24 12:02	08/05/24 21:46	1
d3-NMeFOSAA	108		25 - 150	08/02/24 12:02	08/05/24 21:46	1
d5-NEtFOSAA	105		25 - 150	08/02/24 12:02	08/05/24 21:46	1
d-N-MeFOSA-M	90		10 - 150	08/02/24 12:02	08/05/24 21:46	1
d-N-EtFOSA-M	98		10 - 150	08/02/24 12:02	08/05/24 21:46	1
d7-N-MeFOSE-M	85		10 - 150	08/02/24 12:02	08/05/24 21:46	1
d9-N-EtFOSE-M	104		10 - 150	08/02/24 12:02	08/05/24 21:46	1
M2-4:2 FTS	108		25 - 150	08/02/24 12:02	08/05/24 21:46	1
M2-8:2 FTS	124		25 - 150	08/02/24 12:02	08/05/24 21:46	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-07-202407**

**Lab Sample ID: 320-114250-54**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	108		25 - 150	08/02/24 12:02	08/05/24 21:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1200		28	14	ng/L		08/02/24 12:02	08/06/24 23:03	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	109		25 - 150	08/02/24 12:02	08/06/24 23:03	5			

**Client Sample ID: DUP-08-202407**

**Lab Sample ID: 320-114250-55**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluoropentanoic acid (PFPeA)	4.9		2.0	0.49	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorohexanoic acid (PFHxA)	3.4		2.0	0.58	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	2.0	0.25	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorooctanoic acid (PFOA)	3.1		2.0	0.84	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/02/24 12:02	08/05/24 21:59	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/02/24 12:02	08/05/24 21:59	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/02/24 12:02	08/05/24 21:59	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 12:02	08/05/24 21:59	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 12:02	08/05/24 21:59	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 12:02	08/05/24 21:59	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 12:02	08/05/24 21:59	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/02/24 12:02	08/05/24 21:59	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 12:02	08/05/24 21:59	1
6:2 FTS	35		5.0	2.5	ng/L		08/02/24 12:02	08/05/24 21:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 12:02	08/05/24 21:59	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 12:02	08/05/24 21:59	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 12:02	08/05/24 21:59	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 12:02	08/05/24 21:59	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-08-202407**

**Lab Sample ID: 320-114250-55**

**Date Collected: 07/31/24 00:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C5 PFPeA	92		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C2 PFHxA	98		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C4 PFHpA	100		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C4 PFOA	98		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C5 PFNA	107		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C2 PFDA	123		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C2 PFUnA	109		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C2 PFDoA	106		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C2 PFTeDA	94		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C3 PFBS	88		25 - 150	08/02/24 12:02	08/05/24 21:59	1
18O2 PFHxS	99		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C4 PFOS	96		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C8 FOSA	101		10 - 150	08/02/24 12:02	08/05/24 21:59	1
d3-NMeFOSAA	42		25 - 150	08/02/24 12:02	08/05/24 21:59	1
d5-NEtFOSAA	111		25 - 150	08/02/24 12:02	08/05/24 21:59	1
d-N-MeFOSA-M	59		10 - 150	08/02/24 12:02	08/05/24 21:59	1
d-N-EtFOSA-M	86		10 - 150	08/02/24 12:02	08/05/24 21:59	1
d7-N-MeFOSE-M	48		10 - 150	08/02/24 12:02	08/05/24 21:59	1
d9-N-EtFOSE-M	94		10 - 150	08/02/24 12:02	08/05/24 21:59	1
M2-4:2 FTS	143		25 - 150	08/02/24 12:02	08/05/24 21:59	1
M2-6:2 FTS	131		25 - 150	08/02/24 12:02	08/05/24 21:59	1
13C3 HFPO-DA	94		25 - 150	08/02/24 12:02	08/05/24 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<4.6		20	4.6	ng/L		08/02/24 12:02	08/06/24 23:16	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	134		25 - 150	08/02/24 12:02	08/06/24 23:16	10

**Client Sample ID: FB-01-202407**

**Lab Sample ID: 320-114250-56**

**Date Collected: 07/31/24 00:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.1	2.0	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorooctanoic acid (PFOA)	<0.70		1.7	0.70	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluoroundecanoic acid (PFUnA)	<0.91		1.7	0.91	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.7	1.1	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.60		1.7	0.60	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		08/02/24 12:02	08/05/24 22:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: FB-01-202407**

**Lab Sample ID: 320-114250-56**

**Date Collected: 07/31/24 00:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.80		1.7	0.80	ng/L		08/02/24 12:02	08/05/24 22:11	1
Perfluorooctanesulfonamide (FOSA)	<0.81		1.7	0.81	ng/L		08/02/24 12:02	08/05/24 22:11	1
NEtFOSA	<0.72		1.7	0.72	ng/L		08/02/24 12:02	08/05/24 22:11	1
NMeFOSA	<0.36		1.7	0.36	ng/L		08/02/24 12:02	08/05/24 22:11	1
NMeFOSAA	<0.99		4.1	0.99	ng/L		08/02/24 12:02	08/05/24 22:11	1
NEtFOSAA	<1.1		4.1	1.1	ng/L		08/02/24 12:02	08/05/24 22:11	1
NMeFOSE	<1.2		3.3	1.2	ng/L		08/02/24 12:02	08/05/24 22:11	1
NEtFOSE	<0.70		1.7	0.70	ng/L		08/02/24 12:02	08/05/24 22:11	1
4:2 FTS	<0.20		1.7	0.20	ng/L		08/02/24 12:02	08/05/24 22:11	1
6:2 FTS	<2.1		4.1	2.1	ng/L		08/02/24 12:02	08/05/24 22:11	1
8:2 FTS	<0.38		1.7	0.38	ng/L		08/02/24 12:02	08/05/24 22:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		08/02/24 12:02	08/05/24 22:11	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		08/02/24 12:02	08/05/24 22:11	1
9CI-PF3ONS	<0.20		1.7	0.20	ng/L		08/02/24 12:02	08/05/24 22:11	1
11CI-PF3OUdS	<0.27		1.7	0.27	ng/L		08/02/24 12:02	08/05/24 22:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C5 PFPeA	97		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C2 PFHxA	104		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C4 PFHpA	104		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C4 PFOA	105		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C5 PFNA	101		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C2 PFDA	100		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C2 PFUnA	98		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C2 PFDoA	99		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C2 PFTeDA	82		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C3 PFBS	92		25 - 150				08/02/24 12:02	08/05/24 22:11	1
18O2 PFHxS	109		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C4 PFOS	102		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C8 FOSA	95		10 - 150				08/02/24 12:02	08/05/24 22:11	1
d3-NMeFOSAA	90		25 - 150				08/02/24 12:02	08/05/24 22:11	1
d5-NEtFOSAA	90		25 - 150				08/02/24 12:02	08/05/24 22:11	1
d-N-MeFOSA-M	100		10 - 150				08/02/24 12:02	08/05/24 22:11	1
d-N-EtFOSA-M	98		10 - 150				08/02/24 12:02	08/05/24 22:11	1
d7-N-MeFOSE-M	87		10 - 150				08/02/24 12:02	08/05/24 22:11	1
d9-N-EtFOSE-M	90		10 - 150				08/02/24 12:02	08/05/24 22:11	1
M2-4:2 FTS	107		25 - 150				08/02/24 12:02	08/05/24 22:11	1
M2-6:2 FTS	110		25 - 150				08/02/24 12:02	08/05/24 22:11	1
M2-8:2 FTS	108		25 - 150				08/02/24 12:02	08/05/24 22:11	1
13C3 HFPO-DA	101		25 - 150				08/02/24 12:02	08/05/24 22:11	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-01-202407**

**Lab Sample ID: 320-114250-57**

**Date Collected: 07/29/24 15:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

**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		08/02/24 12:02	08/05/24 22:49	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/02/24 12:02	08/05/24 22:49	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/05/24 22:49	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/02/24 12:02	08/05/24 22:49	1
<b>NMeFOSA</b>	<b>0.43</b>	<b>J I</b>	1.9	0.40	ng/L		08/02/24 12:02	08/05/24 22:49	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/05/24 22:49	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/05/24 22:49	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/02/24 12:02	08/05/24 22:49	1
<b>NEtFOSE</b>	<b>1.1</b>	<b>J</b>	1.9	0.80	ng/L		08/02/24 12:02	08/05/24 22:49	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/05/24 22:49	1
6:2 FTS	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/05/24 22:49	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/02/24 12:02	08/05/24 22:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/02/24 12:02	08/05/24 22:49	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/02/24 12:02	08/05/24 22:49	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/05/24 22:49	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 22:49	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	95		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C5 PFPeA	92		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C2 PFHxA	94		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C4 PFHpA	105		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C4 PFOA	103		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C5 PFNA	106		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C2 PFDA	112		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C2 PFUnA	102		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C2 PFDoA	114		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C2 PFTeDA	101		25 - 150				08/02/24 12:02	08/05/24 22:49	1
13C3 PFBS	90		25 - 150				08/02/24 12:02	08/05/24 22:49	1
18O2 PFHxS	106		25 - 150				08/02/24 12:02	08/05/24 22:49	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-01-202407**

**Lab Sample ID: 320-114250-57**

**Date Collected: 07/29/24 15:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C4 PFOS	100		25 - 150	08/02/24 12:02	08/05/24 22:49	1
13C8 FOSA	94		10 - 150	08/02/24 12:02	08/05/24 22:49	1
d3-NMeFOSAA	67		25 - 150	08/02/24 12:02	08/05/24 22:49	1
d5-NEtFOSAA	97		25 - 150	08/02/24 12:02	08/05/24 22:49	1
d-N-MeFOSA-M	65		10 - 150	08/02/24 12:02	08/05/24 22:49	1
d-N-EtFOSA-M	93		10 - 150	08/02/24 12:02	08/05/24 22:49	1
d7-N-MeFOSE-M	58		10 - 150	08/02/24 12:02	08/05/24 22:49	1
d9-N-EtFOSE-M	100		10 - 150	08/02/24 12:02	08/05/24 22:49	1
M2-4:2 FTS	111		25 - 150	08/02/24 12:02	08/05/24 22:49	1
M2-6:2 FTS	118		25 - 150	08/02/24 12:02	08/05/24 22:49	1
M2-8:2 FTS	186	*5+	25 - 150	08/02/24 12:02	08/05/24 22:49	1
13C3 HFPO-DA	97		25 - 150	08/02/24 12:02	08/05/24 22:49	1

**Client Sample ID: EB-02-202407**

**Lab Sample ID: 320-114250-58**

**Date Collected: 07/29/24 16:25**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/02/24 12:02	08/05/24 23:01	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/05/24 23:01	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/02/24 12:02	08/05/24 23:01	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/02/24 12:02	08/05/24 23:01	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/05/24 23:01	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/05/24 23:01	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/02/24 12:02	08/05/24 23:01	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:01	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:01	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/02/24 12:02	08/05/24 23:01	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/02/24 12:02	08/05/24 23:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-02-202407**

**Lab Sample ID: 320-114250-58**

Date Collected: 07/29/24 16:25

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/02/24 12:02	08/05/24 23:01	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/02/24 12:02	08/05/24 23:01	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:01	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C5 PFPeA	95		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C2 PFHxA	102		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C4 PFHpA	103		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C4 PFOA	96		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C5 PFNA	100		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C2 PFDA	105		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C2 PFUnA	103		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C2 PFDoA	108		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C2 PFTeDA	100		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C3 PFBS	87		25 - 150				08/02/24 12:02	08/05/24 23:01	1
18O2 PFHxS	103		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C4 PFOS	99		25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C8 FOSA	94		10 - 150				08/02/24 12:02	08/05/24 23:01	1
d3-NMeFOSAA	91		25 - 150				08/02/24 12:02	08/05/24 23:01	1
d5-NEtFOSAA	108		25 - 150				08/02/24 12:02	08/05/24 23:01	1
d-N-MeFOSA-M	69		10 - 150				08/02/24 12:02	08/05/24 23:01	1
d-N-EtFOSA-M	96		10 - 150				08/02/24 12:02	08/05/24 23:01	1
d7-N-MeFOSE-M	63		10 - 150				08/02/24 12:02	08/05/24 23:01	1
d9-N-EtFOSE-M	95		10 - 150				08/02/24 12:02	08/05/24 23:01	1
M2-4:2 FTS	110		25 - 150				08/02/24 12:02	08/05/24 23:01	1
M2-6:2 FTS	107		25 - 150				08/02/24 12:02	08/05/24 23:01	1
M2-8:2 FTS	163	*5+	25 - 150				08/02/24 12:02	08/05/24 23:01	1
13C3 HFPO-DA	98		25 - 150				08/02/24 12:02	08/05/24 23:01	1

**Client Sample ID: EB-03-202407**

**Lab Sample ID: 320-114250-59**

Date Collected: 07/29/24 18:05

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.8	1.1	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/02/24 12:02	08/05/24 23:14	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-03-202407**

**Lab Sample ID: 320-114250-59**

**Date Collected: 07/29/24 18:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.8	0.47	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		08/02/24 12:02	08/05/24 23:14	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		08/02/24 12:02	08/05/24 23:14	1
NEtFOSA	<0.76		1.8	0.76	ng/L		08/02/24 12:02	08/05/24 23:14	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/02/24 12:02	08/05/24 23:14	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/02/24 12:02	08/05/24 23:14	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		08/02/24 12:02	08/05/24 23:14	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/02/24 12:02	08/05/24 23:14	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/02/24 12:02	08/05/24 23:14	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/02/24 12:02	08/05/24 23:14	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/02/24 12:02	08/05/24 23:14	1
8:2 FTS	<0.40		1.8	0.40	ng/L		08/02/24 12:02	08/05/24 23:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/02/24 12:02	08/05/24 23:14	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/02/24 12:02	08/05/24 23:14	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/02/24 12:02	08/05/24 23:14	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/02/24 12:02	08/05/24 23:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C5 PFPeA	98		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C2 PFHxA	102		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C4 PFHpA	102		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C4 PFOA	105		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C5 PFNA	102		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C2 PFDA	103		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C2 PFUnA	101		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C2 PFDoA	113		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C2 PFTeDA	95		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C3 PFBS	91		25 - 150	08/02/24 12:02	08/05/24 23:14	1
18O2 PFHxS	105		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C4 PFOS	101		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C8 FOSA	98		10 - 150	08/02/24 12:02	08/05/24 23:14	1
d3-NMeFOSAA	105		25 - 150	08/02/24 12:02	08/05/24 23:14	1
d5-NEtFOSAA	97		25 - 150	08/02/24 12:02	08/05/24 23:14	1
d-N-MeFOSA-M	98		10 - 150	08/02/24 12:02	08/05/24 23:14	1
d-N-EtFOSA-M	95		10 - 150	08/02/24 12:02	08/05/24 23:14	1
d7-N-MeFOSE-M	84		10 - 150	08/02/24 12:02	08/05/24 23:14	1
d9-N-EtFOSE-M	99		10 - 150	08/02/24 12:02	08/05/24 23:14	1
M2-4:2 FTS	108		25 - 150	08/02/24 12:02	08/05/24 23:14	1
M2-6:2 FTS	104		25 - 150	08/02/24 12:02	08/05/24 23:14	1
M2-8:2 FTS	121		25 - 150	08/02/24 12:02	08/05/24 23:14	1
13C3 HFPO-DA	101		25 - 150	08/02/24 12:02	08/05/24 23:14	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-04-202407**

**Lab Sample ID: 320-114250-60**

**Date Collected: 07/30/24 09:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/05/24 23:27	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/02/24 12:02	08/05/24 23:27	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/02/24 12:02	08/05/24 23:27	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/02/24 12:02	08/05/24 23:27	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/05/24 23:27	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/05/24 23:27	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/02/24 12:02	08/05/24 23:27	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:27	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:27	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/02/24 12:02	08/05/24 23:27	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/02/24 12:02	08/05/24 23:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/02/24 12:02	08/05/24 23:27	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/02/24 12:02	08/05/24 23:27	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:27	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C5 PFPeA	96		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C2 PFHxA	98		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C4 PFHpA	100		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C4 PFOA	106		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C5 PFNA	98		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C2 PFDA	104		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C2 PFUnA	96		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C2 PFDoA	111		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C2 PFTeDA	95		25 - 150				08/02/24 12:02	08/05/24 23:27	1
13C3 PFBS	89		25 - 150				08/02/24 12:02	08/05/24 23:27	1
18O2 PFHxS	105		25 - 150				08/02/24 12:02	08/05/24 23:27	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-04-202407**

**Lab Sample ID: 320-114250-60**

**Date Collected: 07/30/24 09:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C4 PFOS	101		25 - 150	08/02/24 12:02	08/05/24 23:27	1
13C8 FOSA	95		10 - 150	08/02/24 12:02	08/05/24 23:27	1
d3-NMeFOSAA	90		25 - 150	08/02/24 12:02	08/05/24 23:27	1
d5-NEtFOSAA	97		25 - 150	08/02/24 12:02	08/05/24 23:27	1
d-N-MeFOSA-M	96		10 - 150	08/02/24 12:02	08/05/24 23:27	1
d-N-EtFOSA-M	97		10 - 150	08/02/24 12:02	08/05/24 23:27	1
d7-N-MeFOSE-M	90		10 - 150	08/02/24 12:02	08/05/24 23:27	1
d9-N-EtFOSE-M	97		10 - 150	08/02/24 12:02	08/05/24 23:27	1
M2-4:2 FTS	104		25 - 150	08/02/24 12:02	08/05/24 23:27	1
M2-6:2 FTS	108		25 - 150	08/02/24 12:02	08/05/24 23:27	1
M2-8:2 FTS	104		25 - 150	08/02/24 12:02	08/05/24 23:27	1
13C3 HFPO-DA	93		25 - 150	08/02/24 12:02	08/05/24 23:27	1

**Client Sample ID: EB-05-202407**

**Lab Sample ID: 320-114250-61**

**Date Collected: 07/30/24 12:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/05/24 23:39	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/02/24 12:02	08/05/24 23:39	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/02/24 12:02	08/05/24 23:39	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/02/24 12:02	08/05/24 23:39	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		08/02/24 12:02	08/05/24 23:39	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		08/02/24 12:02	08/05/24 23:39	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/02/24 12:02	08/05/24 23:39	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/02/24 12:02	08/05/24 23:39	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:39	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/02/24 12:02	08/05/24 23:39	1
<b>8:2 FTS</b>	<b>0.59 J</b>		1.9	0.44	ng/L		08/02/24 12:02	08/05/24 23:39	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-05-202407**

**Lab Sample ID: 320-114250-61**

Date Collected: 07/30/24 12:15

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/02/24 12:02	08/05/24 23:39	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/02/24 12:02	08/05/24 23:39	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:39	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C5 PFPeA	102		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C2 PFHxA	104		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C4 PFHpA	107		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C4 PFOA	105		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C5 PFNA	108		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C2 PFDA	107		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C2 PFUnA	107		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C2 PFDoA	108		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C2 PFTeDA	98		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C3 PFBS	90		25 - 150				08/02/24 12:02	08/05/24 23:39	1
18O2 PFHxS	107		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C4 PFOS	101		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C8 FOSA	100		10 - 150				08/02/24 12:02	08/05/24 23:39	1
d3-NMeFOSAA	107		25 - 150				08/02/24 12:02	08/05/24 23:39	1
d5-NEtFOSAA	98		25 - 150				08/02/24 12:02	08/05/24 23:39	1
d-N-MeFOSA-M	86		10 - 150				08/02/24 12:02	08/05/24 23:39	1
d-N-EtFOSA-M	98		10 - 150				08/02/24 12:02	08/05/24 23:39	1
d7-N-MeFOSE-M	77		10 - 150				08/02/24 12:02	08/05/24 23:39	1
d9-N-EtFOSE-M	97		10 - 150				08/02/24 12:02	08/05/24 23:39	1
M2-4:2 FTS	109		25 - 150				08/02/24 12:02	08/05/24 23:39	1
M2-6:2 FTS	114		25 - 150				08/02/24 12:02	08/05/24 23:39	1
M2-8:2 FTS	127		25 - 150				08/02/24 12:02	08/05/24 23:39	1
13C3 HFPO-DA	101		25 - 150				08/02/24 12:02	08/05/24 23:39	1

**Client Sample ID: EB-06-202407**

**Lab Sample ID: 320-114250-62**

Date Collected: 07/30/24 14:25

Matrix: Water

Date Received: 08/01/24 08:45

**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		08/02/24 12:02	08/05/24 23:52	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/05/24 23:52	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-06-202407**

**Lab Sample ID: 320-114250-62**

Date Collected: 07/30/24 14:25

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/02/24 12:02	08/05/24 23:52	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/05/24 23:52	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/02/24 12:02	08/05/24 23:52	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/02/24 12:02	08/05/24 23:52	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/05/24 23:52	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/05/24 23:52	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/02/24 12:02	08/05/24 23:52	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/05/24 23:52	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/05/24 23:52	1
6:2 FTS	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/05/24 23:52	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/02/24 12:02	08/05/24 23:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/02/24 12:02	08/05/24 23:52	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/02/24 12:02	08/05/24 23:52	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/05/24 23:52	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/05/24 23:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C5 PFPeA	99		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C2 PFHxA	113		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C4 PFHpA	103		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C4 PFOA	109		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C5 PFNA	102		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C2 PFDA	119		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C2 PFUnA	107		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C2 PFDoA	107		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C2 PFTeDA	90		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C3 PFBS	86		25 - 150	08/02/24 12:02	08/05/24 23:52	1
18O2 PFHxS	99		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C4 PFOS	95		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C8 FOSA	98		10 - 150	08/02/24 12:02	08/05/24 23:52	1
d3-NMeFOSAA	96		25 - 150	08/02/24 12:02	08/05/24 23:52	1
d5-NEtFOSAA	98		25 - 150	08/02/24 12:02	08/05/24 23:52	1
d-N-MeFOSA-M	94		10 - 150	08/02/24 12:02	08/05/24 23:52	1
d-N-EtFOSA-M	96		10 - 150	08/02/24 12:02	08/05/24 23:52	1
d7-N-MeFOSE-M	85		10 - 150	08/02/24 12:02	08/05/24 23:52	1
d9-N-EtFOSE-M	100		10 - 150	08/02/24 12:02	08/05/24 23:52	1
M2-4:2 FTS	167	*5+	25 - 150	08/02/24 12:02	08/05/24 23:52	1
M2-6:2 FTS	142		25 - 150	08/02/24 12:02	08/05/24 23:52	1
M2-8:2 FTS	147		25 - 150	08/02/24 12:02	08/05/24 23:52	1
13C3 HFPO-DA	100		25 - 150	08/02/24 12:02	08/05/24 23:52	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-07-202407**

**Lab Sample ID: 320-114250-63**

**Date Collected: 07/31/24 08:40**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

**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		08/02/24 12:02	08/06/24 00:04	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/02/24 12:02	08/06/24 00:04	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/06/24 00:04	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/02/24 12:02	08/06/24 00:04	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/02/24 12:02	08/06/24 00:04	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/06/24 00:04	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/06/24 00:04	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/02/24 12:02	08/06/24 00:04	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/06/24 00:04	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/06/24 00:04	1
6:2 FTS	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/06/24 00:04	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/02/24 12:02	08/06/24 00:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/02/24 12:02	08/06/24 00:04	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/02/24 12:02	08/06/24 00:04	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/02/24 12:02	08/06/24 00:04	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/06/24 00:04	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	94		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C5 PFPeA	96		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C2 PFHxA	111		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C4 PFHpA	102		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C4 PFOA	104		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C5 PFNA	104		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C2 PFDA	114		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C2 PFUnA	102		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C2 PFDoA	109		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C2 PFTeDA	92		25 - 150				08/02/24 12:02	08/06/24 00:04	1
13C3 PFBS	87		25 - 150				08/02/24 12:02	08/06/24 00:04	1
18O2 PFHxS	98		25 - 150				08/02/24 12:02	08/06/24 00:04	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-07-202407**

**Lab Sample ID: 320-114250-63**

Date Collected: 07/31/24 08:40

Matrix: Water

Date Received: 08/01/24 08:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	96		25 - 150	08/02/24 12:02	08/06/24 00:04	1
13C8 FOSA	92		10 - 150	08/02/24 12:02	08/06/24 00:04	1
d3-NMeFOSAA	95		25 - 150	08/02/24 12:02	08/06/24 00:04	1
d5-NEtFOSAA	103		25 - 150	08/02/24 12:02	08/06/24 00:04	1
d-N-MeFOSA-M	80		10 - 150	08/02/24 12:02	08/06/24 00:04	1
d-N-EtFOSA-M	92		10 - 150	08/02/24 12:02	08/06/24 00:04	1
d7-N-MeFOSE-M	74		10 - 150	08/02/24 12:02	08/06/24 00:04	1
d9-N-EtFOSE-M	93		10 - 150	08/02/24 12:02	08/06/24 00:04	1
M2-4:2 FTS	170	*5+	25 - 150	08/02/24 12:02	08/06/24 00:04	1
M2-6:2 FTS	137		25 - 150	08/02/24 12:02	08/06/24 00:04	1
M2-8:2 FTS	164	*5+	25 - 150	08/02/24 12:02	08/06/24 00:04	1
13C3 HFPO-DA	94		25 - 150	08/02/24 12:02	08/06/24 00:04	1

**Client Sample ID: EB-08-202407**

**Lab Sample ID: 320-114250-64**

Date Collected: 07/31/24 10:50

Matrix: Water

Date Received: 08/01/24 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/02/24 12:02	08/06/24 00:17	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/02/24 12:02	08/06/24 00:17	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/02/24 12:02	08/06/24 00:17	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/02/24 12:02	08/06/24 00:17	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/02/24 12:02	08/06/24 00:17	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/02/24 12:02	08/06/24 00:17	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/02/24 12:02	08/06/24 00:17	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/02/24 12:02	08/06/24 00:17	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/06/24 00:17	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/02/24 12:02	08/06/24 00:17	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/02/24 12:02	08/06/24 00:17	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-08-202407**

**Lab Sample ID: 320-114250-64**

**Date Collected: 07/31/24 10:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/02/24 12:02	08/06/24 00:17	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/02/24 12:02	08/06/24 00:17	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/02/24 12:02	08/06/24 00:17	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/02/24 12:02	08/06/24 00:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C5 PFPeA	91		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C2 PFHxA	109		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C4 PFHpA	94		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C4 PFOA	101		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C5 PFNA	101		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C2 PFDA	114		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C2 PFUnA	92		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C2 PFDoA	103		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C2 PFTeDA	98		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C3 PFBS	81		25 - 150				08/02/24 12:02	08/06/24 00:17	1
18O2 PFHxS	97		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C4 PFOS	93		25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C8 FOSA	96		10 - 150				08/02/24 12:02	08/06/24 00:17	1
d3-NMeFOSAA	97		25 - 150				08/02/24 12:02	08/06/24 00:17	1
d5-NEtFOSAA	101		25 - 150				08/02/24 12:02	08/06/24 00:17	1
d-N-MeFOSA-M	82		10 - 150				08/02/24 12:02	08/06/24 00:17	1
d-N-EtFOSA-M	92		10 - 150				08/02/24 12:02	08/06/24 00:17	1
d7-N-MeFOSE-M	71		10 - 150				08/02/24 12:02	08/06/24 00:17	1
d9-N-EtFOSE-M	93		10 - 150				08/02/24 12:02	08/06/24 00:17	1
M2-4:2 FTS	180	*5+	25 - 150				08/02/24 12:02	08/06/24 00:17	1
M2-6:2 FTS	138		25 - 150				08/02/24 12:02	08/06/24 00:17	1
M2-8:2 FTS	160	*5+	25 - 150				08/02/24 12:02	08/06/24 00:17	1
13C3 HFPO-DA	92		25 - 150				08/02/24 12:02	08/06/24 00:17	1

# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Matrix: Water**

**Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-114250-1	MP-01-(277-293)-202407	100	105	105	108	107	112	115	114
320-114250-2	MP-01-(253-274)-202407	99	102	104	107	104	111	112	116
320-114250-3	MP-01-(223-250)-202407	104	108	108	108	111	118	114	120
320-114250-4	MP-01-(198-220)-202407	100	97	104	103	106	109	114	106
320-114250-5	MP-01-(155-195)-202407	108			112		115	119	113
320-114250-5 - DL	MP-01-(155-195)-202407		106	104		106			
320-114250-5 - DL2	MP-01-(155-195)-202407								
320-114250-6	MP-01-(121-152)-202407	104			112		115	116	113
320-114250-6 - DL	MP-01-(121-152)-202407		108	101		107			
320-114250-6 - RADL	MP-01-(121-152)-202407								
320-114250-7	MP-01-(091-118)-202407	118					132	129	122
320-114250-7 - DL	MP-01-(091-118)-202407		93	97	100	96			
320-114250-7 - DL2	MP-01-(091-118)-202407								
320-114250-8	MP-01-(051-088)-202407	106					113	124	121
320-114250-8 - DL	MP-01-(051-088)-202407		91	93	93	94			
320-114250-9	MP-02-(279-300)-202407	94	91	96	98	97	100	94	90
320-114250-10	MP-02-(253-276)-202407	91	100	100	102	108	109	112	103
320-114250-11	MP-02-(223-250)-202407	87	92	96	99	98	109	107	102
320-114250-12	MP-02-(198-220)-202407	97	95	99	98	101	102	99	90
320-114250-12 - DL	MP-02-(198-220)-202407								
320-114250-13	MP-02-(153-195)-202407	91	93	104	103	100	100	107	99
320-114250-13 - DL	MP-02-(153-195)-202407								
320-114250-14	MP-03-(280-300)-202407	93	98	101	104	105	109	115	107
320-114250-15	MP-03-(245-277)-202407	95	97	99	107	102	104	103	94
320-114250-16	MP-03-(220-242)-202407	95	99	101	103	102	113	108	99
320-114250-17	MP-03-(190-217)-202407	93	98	98	104	103	103	96	101
320-114250-18	MP-03-(160-187)-202407	98	94	101	98	96	102	104	98
320-114250-19	MP-03-(120-157)-202407	83	83	91	92	91	94	91	88
320-114250-20	MP-03-(083-117)-202407	95	93	101	99	103	103	101	92
320-114250-21	MP-03-(046-080)-202407	96	97	106	100	98	99	102	96
320-114250-22	MP-04-(275-291)-202407	87	91	96	100	101	110	105	96
320-114250-23	MP-04-(245-272)-202407	92	94	95	96	98	100	94	86
320-114250-24	MP-04-(220-242)-202407	93	96	97	99	103	103	101	91
320-114250-25	MP-04-(195-217)-202407	88	91	92	93	95	100	100	91
320-114250-26	MP-04-(155-192)-202407	90	92	96	96	99	105	101	97
320-114250-26 - DL	MP-04-(155-192)-202407								
320-114250-27	MP-04-(115-152)-202407	93			103	100	105	105	100
320-114250-27 - DL	MP-04-(115-152)-202407		94	104					
320-114250-28	MP-04-(080-112)-202407	99			105	99	109	109	100
320-114250-28 - DL	MP-04-(080-112)-202407		92	93					
320-114250-29	MP-04-(048-077)-202407	93	98	103	102	96	99	102	99
320-114250-30	MP-05-(SWL-065)-202407	93	98	98	100	101	98	105	98
320-114250-31	MP-06-(148-178)-202407	89	93	95	96	96	103	102	98
320-114250-32	MP-06-(113-148)-202407	95	100	99	102	104	105	117	107
320-114250-33	MP-06-(73-110)-202407	90	90	93	96	101	97	101	96
320-114250-34	MP-06-(36-70)-202407	91	89	91	93	96	101	100	96
320-114250-35	MP-06-(21-33)-202407	90	94	96	97	96	98	100	94
320-114250-36	MP-07-(220-258)-202407	88	91	95	103	101	107	96	77
320-114250-37	MP-07-(195-217)-202407	89	94	97	105	99	109	104	95

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

## 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)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-114250-38	MP-07-(155-192)-202407	96	98	104	107	100	108	107	101
320-114250-39 - DL	MP-07-(115-152)-202407								
320-114250-39	MP-07-(115-152)-202407	95	95	102	101	100	109	106	109
320-114250-40	MP-07-(080-112)-202407	90	90	91	94	94	99	103	103
320-114250-41	MP-07-(048-077)-202407	101	104	102	103	102	108	110	95
320-114250-42	MP-08-(220-246)-202407	94	95	99	101	101	105	105	100
320-114250-43	MP-08-(195-217)-202407	99	101	104	103	107	114	106	111
320-114250-44	MP-08-(155-192)-202407	91	89	94	99	101	96	98	91
320-114250-45	MP-08-(115-152)-202407	100	102	106	103	104	113	113	109
320-114250-46	MP-08-(080-112)-202407	103	104	106	107	106	109	106	102
320-114250-47	MP-08-(048-077)-202407	102	96	100	103	101	106	97	95
320-114250-48	DUP-01-202407	94	96	105	98	103	109	105	108
320-114250-49	DUP-02-202407	96	97	100	101	102	115	102	83
320-114250-50	DUP-03-202407	96	98	106	107	104	104	105	102
320-114250-51	DUP-04-202407	92	91	92	96	97	104	98	79
320-114250-52	DUP-05-202407	97	96	99	103	103	104	106	108
320-114250-53	DUP-06-202407	96	98	100	103	102	103	100	97
320-114250-54	DUP-07-202407	102	102	110	108	105	107	111	112
320-114250-54 - DL	DUP-07-202407								
320-114250-55	DUP-08-202407	92	92	98	100	98	107	123	109
320-114250-55 - DL	DUP-08-202407								
320-114250-56	FB-01-202407	99	97	104	104	105	101	100	98
320-114250-57	EB-01-202407	95	92	94	105	103	106	112	102
320-114250-58	EB-02-202407	94	95	102	103	96	100	105	103
320-114250-59	EB-03-202407	97	98	102	102	105	102	103	101
320-114250-60	EB-04-202407	95	96	98	100	106	98	104	96
320-114250-61	EB-05-202407	97	102	104	107	105	108	107	107
320-114250-62	EB-06-202407	95	99	113	103	109	102	119	107
320-114250-63	EB-07-202407	94	96	111	102	104	104	114	102
320-114250-64	EB-08-202407	90	91	109	94	101	101	114	92
LCS 320-787026/3-A	Lab Control Sample	102	104	106	104	110	108	110	106
LCS 320-787099/3-A	Lab Control Sample	91	96	99	95	99	95	96	92
LCS 320-787103/3-A	Lab Control Sample	91	92	97	95	98	96	91	87
LCS 320-787228/3-A	Lab Control Sample	97	98	99	101	104	99	101	102
LCSD 320-787026/4-A	Lab Control Sample Dup	101	97	104	105	103	104	108	105
LCSD 320-787099/4-A	Lab Control Sample Dup	91	97	103	105	103	103	101	99
LCSD 320-787103/4-A	Lab Control Sample Dup	93	95	100	97	98	96	94	90
LCSD 320-787228/4-A	Lab Control Sample Dup	94	92	98	98	100	98	102	88
LLCS 320-787026/2-A	Lab Control Sample	101	101	105	101	105	109	106	107
LLCS 320-787099/2-A	Lab Control Sample	94	101	103	102	105	100	104	98
LLCS 320-787103/2-A	Lab Control Sample	90	89	94	95	95	92	98	88
LLCS 320-787218/2-A	Lab Control Sample	98	99	98	105	102	110	107	100
LLCS 320-787228/2-A	Lab Control Sample	92	95	99	104	104	103	102	96
LLCSD 320-787218/3-A	Lab Control Sample Dup	91	92	94	95	97	105	97	95
MB 320-787026/1-A	Method Blank	101	102	102	106	104	109	107	108
MB 320-787099/1-A	Method Blank	89	93	96	97	102	94	93	91
MB 320-787103/1-A	Method Blank	88	89	93	97	96	98	96	86
MB 320-787218/1-A	Method Blank	95	95	103	101	103	100	106	98
MB 320-787228/1-A	Method Blank	97	99	103	103	102	104	102	101

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**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)							
		PFD <sub>o</sub> A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFH <sub>x</sub> S (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-114250-1	MP-01-(277-293)-202407	118	95	101	106	112	111	143	135
320-114250-2	MP-01-(253-274)-202407	118	98	98	105	107	107	140	135
320-114250-3	MP-01-(223-250)-202407	129	102	105	110	114	112	120	153 *5+
320-114250-4	MP-01-(198-220)-202407	105	98	99	108	107	106	129	123
320-114250-5	MP-01-(155-195)-202407	122	108	109	116	123	115	131	132
320-114250-5 - DL	MP-01-(155-195)-202407								
320-114250-5 - DL2	MP-01-(155-195)-202407								
320-114250-6	MP-01-(121-152)-202407	109	99	106	112	112	113	127	121
320-114250-6 - DL	MP-01-(121-152)-202407								
320-114250-6 - RADL	MP-01-(121-152)-202407								
320-114250-7	MP-01-(091-118)-202407	138	109	115	132	122	122	120	120
320-114250-7 - DL	MP-01-(091-118)-202407								
320-114250-7 - DL2	MP-01-(091-118)-202407								
320-114250-8	MP-01-(051-088)-202407	135	117	103	120	116	117	113	118
320-114250-8 - DL	MP-01-(051-088)-202407								
320-114250-9	MP-02-(279-300)-202407	96	86	88	101	92	92	90	85
320-114250-10	MP-02-(253-276)-202407	106	97	90	104	100	98	100	106
320-114250-11	MP-02-(223-250)-202407	104	106	87	98	97	98	106	105
320-114250-12	MP-02-(198-220)-202407	95	89	88	102	99	92	81	83
320-114250-12 - DL	MP-02-(198-220)-202407								
320-114250-13	MP-02-(153-195)-202407	109	91	87	101	102	98	99	95
320-114250-13 - DL	MP-02-(153-195)-202407								
320-114250-14	MP-03-(280-300)-202407	106	106	90	104	100	99	92	105
320-114250-15	MP-03-(245-277)-202407	102	97	93	110	102	103	90	85
320-114250-16	MP-03-(220-242)-202407	116	101	91	109	107	102	101	93
320-114250-17	MP-03-(190-217)-202407	99	95	84	101	93	96	85	87
320-114250-18	MP-03-(160-187)-202407	98	89	84	99	100	96	95	88
320-114250-19	MP-03-(120-157)-202407	93	86	78	91	88	86	85	85
320-114250-20	MP-03-(083-117)-202407	99	87	89	107	94	100	87	90
320-114250-21	MP-03-(046-080)-202407	100	96	89	102	99	95	91	82
320-114250-22	MP-04-(275-291)-202407	105	99	83	101	98	95	96	103
320-114250-23	MP-04-(245-272)-202407	100	89	84	101	100	95	84	76
320-114250-24	MP-04-(220-242)-202407	96	87	86	103	102	98	89	84
320-114250-25	MP-04-(195-217)-202407	101	101	83	97	98	93	98	112
320-114250-26	MP-04-(155-192)-202407	111	98	85	102	101	99	97	106
320-114250-26 - DL	MP-04-(155-192)-202407								
320-114250-27	MP-04-(115-152)-202407	107	97	87	104	97	102	90	90
320-114250-27 - DL	MP-04-(115-152)-202407								
320-114250-28	MP-04-(080-112)-202407	114	107	86	107	108	102	106	111
320-114250-28 - DL	MP-04-(080-112)-202407								
320-114250-29	MP-04-(048-077)-202407	107	93	86	102	96	95	92	88
320-114250-30	MP-05-(SWL-065)-202407	107	95	84	96	99	98	101	91
320-114250-31	MP-06-(148-178)-202407	103	91	83	95	95	93	97	93
320-114250-32	MP-06-(113-148)-202407	104	105	85	104	100	97	85	110
320-114250-33	MP-06-(73-110)-202407	101	90	80	97	92	89	84	99
320-114250-34	MP-06-(36-70)-202407	100	95	87	99	95	94	86	104
320-114250-35	MP-06-(21-33)-202407	100	92	85	99	101	95	88	85
320-114250-36	MP-07-(220-258)-202407	95	88	86	101	99	70	28	58
320-114250-37	MP-07-(195-217)-202407	110	100	90	101	99	95	100	99
320-114250-38	MP-07-(155-192)-202407	102	88	87	102	94	97	91	88

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**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)							
		PFD <sub>o</sub> A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFH <sub>x</sub> S (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-114250-39 - DL	MP-07-(115-152)-202407								
320-114250-39	MP-07-(115-152)-202407	110	99	88	99	98	93	92	105
320-114250-40	MP-07-(080-112)-202407	103	93	85	98	97	90	59	98
320-114250-41	MP-07-(048-077)-202407	114	99	94	106	92	102	104	103
320-114250-42	MP-08-(220-246)-202407	103	95	86	103	89	90	68	114
320-114250-43	MP-08-(195-217)-202407	112	100	90	105	105	105	90	117
320-114250-44	MP-08-(155-192)-202407	94	85	85	104	99	98	91	89
320-114250-45	MP-08-(115-152)-202407	120	107	89	106	109	101	108	114
320-114250-46	MP-08-(080-112)-202407	108	96	92	104	97	102	98	96
320-114250-47	MP-08-(048-077)-202407	97	91	91	108	107	100	94	89
320-114250-48	DUP-01-202407	106	100	89	107	102	100	70	119
320-114250-49	DUP-02-202407	103	90	85	105	97	79	28	63
320-114250-50	DUP-03-202407	110	104	87	110	97	101	105	104
320-114250-51	DUP-04-202407	93	91	81	100	88	74	31	66
320-114250-52	DUP-05-202407	116	104	89	104	95	97	101	102
320-114250-53	DUP-06-202407	110	89	86	100	92	94	95	96
320-114250-54	DUP-07-202407	127	106	95	106	106	107	108	105
320-114250-54 - DL	DUP-07-202407								
320-114250-55	DUP-08-202407	106	94	88	99	96	101	42	111
320-114250-55 - DL	DUP-08-202407								
320-114250-56	FB-01-202407	99	82	92	109	102	95	90	90
320-114250-57	EB-01-202407	114	101	90	106	100	94	67	97
320-114250-58	EB-02-202407	108	100	87	103	99	94	91	108
320-114250-59	EB-03-202407	113	95	91	105	101	98	105	97
320-114250-60	EB-04-202407	111	95	89	105	101	95	90	97
320-114250-61	EB-05-202407	108	98	90	107	101	100	107	98
320-114250-62	EB-06-202407	107	90	86	99	95	98	96	98
320-114250-63	EB-07-202407	109	92	87	98	96	92	95	103
320-114250-64	EB-08-202407	103	98	81	97	93	96	97	101
LCS 320-787026/3-A	Lab Control Sample	110	92	102	106	111	102	119	113
LCS 320-787099/3-A	Lab Control Sample	96	91	80	91	91	90	81	85
LCS 320-787103/3-A	Lab Control Sample	94	90	72	89	89	82	81	76
LCS 320-787228/3-A	Lab Control Sample	100	85	86	102	98	91	89	87
LCSD 320-787026/4-A	Lab Control Sample Dup	102	89	100	104	109	102	120	112
LCSD 320-787099/4-A	Lab Control Sample Dup	108	92	85	106	99	91	88	82
LCSD 320-787103/4-A	Lab Control Sample Dup	90	80	78	89	87	88	86	72
LCSD 320-787228/4-A	Lab Control Sample Dup	93	84	84	98	97	94	84	88
LLCS 320-787026/2-A	Lab Control Sample	108	90	100	104	105	101	119	113
LLCS 320-787099/2-A	Lab Control Sample	105	91	80	96	96	93	93	86
LLCS 320-787103/2-A	Lab Control Sample	92	83	73	90	86	84	78	79
LLCS 320-787218/2-A	Lab Control Sample	100	81	89	102	102	99	91	90
LLCS 320-787228/2-A	Lab Control Sample	101	88	89	107	100	91	91	89
LLCSD 320-787218/3-A	Lab Control Sample Dup	97	82	88	100	98	94	85	88
MB 320-787026/1-A	Method Blank	107	94	98	107	106	102	115	118
MB 320-787099/1-A	Method Blank	94	86	80	94	89	83	78	84
MB 320-787103/1-A	Method Blank	96	90	75	91	90	89	84	77
MB 320-787218/1-A	Method Blank	99	86	89	102	99	95	91	88
MB 320-787228/1-A	Method Blank	102	89	92	106	102	100	93	90

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

**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)
320-114250-1	MP-01-(277-293)-202407	91	90	85	90	112	111	119	103
320-114250-2	MP-01-(253-274)-202407	90	88	85	91	118	118	118	102
320-114250-3	MP-01-(223-250)-202407	86	87	83	86	126	121	136	108
320-114250-4	MP-01-(198-220)-202407	85	81	83	89	106	120	113	106
320-114250-5	MP-01-(155-195)-202407	92	83	102	103	123			113
320-114250-5 - DL	MP-01-(155-195)-202407							137	
320-114250-5 - DL2	MP-01-(155-195)-202407						187 *5+		
320-114250-6	MP-01-(121-152)-202407	98	93	96	95	120			110
320-114250-6 - DL	MP-01-(121-152)-202407							90	
320-114250-6 - RADL	MP-01-(121-152)-202407						168 *5+		
320-114250-7	MP-01-(091-118)-202407	122	119	107	118	143			125
320-114250-7 - DL	MP-01-(091-118)-202407							113	
320-114250-7 - DL2	MP-01-(091-118)-202407						259 *5+		
320-114250-8	MP-01-(051-088)-202407	96	106	86	105	119			112
320-114250-8 - DL	MP-01-(051-088)-202407						157 *5+	102	
320-114250-9	MP-02-(279-300)-202407	88	89	81	90	102	104	86	97
320-114250-10	MP-02-(253-276)-202407	78	90	74	94	116	114	146	101
320-114250-11	MP-02-(223-250)-202407	70	76	66	90	113	115	140	97
320-114250-12	MP-02-(198-220)-202407	86	83	87	104	103		105	94
320-114250-12 - DL	MP-02-(198-220)-202407						107		
320-114250-13	MP-02-(153-195)-202407	79	84	71	89	100		144	99
320-114250-13 - DL	MP-02-(153-195)-202407						118		
320-114250-14	MP-03-(280-300)-202407	56	84	58	92	121	111	161 *5+	97
320-114250-15	MP-03-(245-277)-202407	88	82	82	91	107	113	109	94
320-114250-16	MP-03-(220-242)-202407	82	83	79	94	112	102	147	95
320-114250-17	MP-03-(190-217)-202407	78	69	79	88	99	105	98	96
320-114250-18	MP-03-(160-187)-202407	81	84	91	104	107	107	112	95
320-114250-19	MP-03-(120-157)-202407	67	70	64	80	89	89	122	87
320-114250-20	MP-03-(083-117)-202407	93	93	83	91	103	106	115	99
320-114250-21	MP-03-(046-080)-202407	89	89	88	95	105	109	96	98
320-114250-22	MP-04-(275-291)-202407	85	88	77	92	100	102	149	94
320-114250-23	MP-04-(245-272)-202407	85	80	78	91	100	110	98	95
320-114250-24	MP-04-(220-242)-202407	84	79	81	91	111	105	111	97
320-114250-25	MP-04-(195-217)-202407	71	77	64	87	107	103	122	90
320-114250-26	MP-04-(155-192)-202407	77	83	67	95	104		129	93
320-114250-26 - DL	MP-04-(155-192)-202407						123		
320-114250-27	MP-04-(115-152)-202407	91	87	89	98	100		101	98
320-114250-27 - DL	MP-04-(115-152)-202407						127		
320-114250-28	MP-04-(080-112)-202407	82	93	86	115	110		124	105
320-114250-28 - DL	MP-04-(080-112)-202407						121		
320-114250-29	MP-04-(048-077)-202407	86	86	83	94	102	102	129	98
320-114250-30	MP-05-(SWL-065)-202407	90	89	81	93	98	107	126	94
320-114250-31	MP-06-(148-178)-202407	82	81	82	94	108	103	115	93
320-114250-32	MP-06-(113-148)-202407	67	90	62	93	114	112	151 *5+	100
320-114250-33	MP-06-(73-110)-202407	62	78	59	78	91	103	127	94
320-114250-34	MP-06-(36-70)-202407	63	78	59	80	103	95	131	95
320-114250-35	MP-06-(21-33)-202407	86	83	81	92	97	101	104	96
320-114250-36	MP-07-(220-258)-202407	42	63	41	89	144	141	163 *5+	94
320-114250-37	MP-07-(195-217)-202407	80	87	75	91	103	105	134	93
320-114250-38	MP-07-(155-192)-202407	88	89	83	91	101	101	115	98

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## 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)
320-114250-39 - DL	MP-07-(115-152)-202407						107		
320-114250-39	MP-07-(115-152)-202407	73	88	70	94	95		131	99
320-114250-40	MP-07-(080-112)-202407	51	73	47	83	104	98	158 *5+	95
320-114250-41	MP-07-(048-077)-202407	88	96	79	99	110	108	126	103
320-114250-42	MP-08-(220-246)-202407	66	91	58	94	122	106	169 *5+	100
320-114250-43	MP-08-(195-217)-202407	83	101	74	99	114	112	150	102
320-114250-44	MP-08-(155-192)-202407	98	88	82	89	102	105	99	92
320-114250-45	MP-08-(115-152)-202407	93	101	79	110	115	108	148	104
320-114250-46	MP-08-(080-112)-202407	97	94	87	98	113	97	103	100
320-114250-47	MP-08-(048-077)-202407	92	95	81	89	104	103	99	102
320-114250-48	DUP-01-202407	70	89	60	100	118	116	199 *5+	101
320-114250-49	DUP-02-202407	47	72	49	95	127	115	184 *5+	100
320-114250-50	DUP-03-202407	93	96	81	98	109	113	127	101
320-114250-51	DUP-04-202407	45	65	40	79	140	117	172 *5+	92
320-114250-52	DUP-05-202407	89	101	82	98	103	111	120	104
320-114250-53	DUP-06-202407	84	92	82	96	103	105	91	98
320-114250-54	DUP-07-202407	90	98	85	104	108		124	108
320-114250-54 - DL	DUP-07-202407						109		
320-114250-55	DUP-08-202407	59	86	48	94	143	131		94
320-114250-55 - DL	DUP-08-202407							134	
320-114250-56	FB-01-202407	100	98	87	90	107	110	108	101
320-114250-57	EB-01-202407	65	93	58	100	111	118	186 *5+	97
320-114250-58	EB-02-202407	69	96	63	95	110	107	163 *5+	98
320-114250-59	EB-03-202407	98	95	84	99	108	104	121	101
320-114250-60	EB-04-202407	96	97	90	97	104	108	104	93
320-114250-61	EB-05-202407	86	98	77	97	109	114	127	101
320-114250-62	EB-06-202407	94	96	85	100	167 *5+	142	147	100
320-114250-63	EB-07-202407	80	92	74	93	170 *5+	137	164 *5+	94
320-114250-64	EB-08-202407	82	92	71	93	180 *5+	138	160 *5+	92
LCS 320-787026/3-A	Lab Control Sample	88	84	88	89	102	120	114	104
LCS 320-787099/3-A	Lab Control Sample	74	69	83	90	99	101	90	93
LCS 320-787103/3-A	Lab Control Sample	80	72	83	91	93	99	90	98
LCS 320-787228/3-A	Lab Control Sample	81	86	84	92	107	116	95	98
LCSD 320-787026/4-A	Lab Control Sample Dup	85	79	88	87	110	114	108	102
LCSD 320-787099/4-A	Lab Control Sample Dup	84	83	87	97	103	101	99	101
LCSD 320-787103/4-A	Lab Control Sample Dup	81	80	86	87	103	99	88	99
LCSD 320-787228/4-A	Lab Control Sample Dup	87	82	86	88	103	106	94	99
LLCS 320-787026/2-A	Lab Control Sample	85	84	95	89	113	109	109	104
LLCS 320-787099/2-A	Lab Control Sample	74	73	87	94	107	109	96	99
LLCS 320-787103/2-A	Lab Control Sample	74	78	80	83	102	107	89	90
LLCS 320-787218/2-A	Lab Control Sample	89	88	85	89	115	116	101	104
LLCS 320-787228/2-A	Lab Control Sample	86	88	82	88	105	109	93	96
LLCSD 320-787218/3-A	Lab Control Sample Dup	83	80	80	88	112	107	97	95
MB 320-787026/1-A	Method Blank	77	74	91	89	105	112	107	105
MB 320-787099/1-A	Method Blank	69	67	81	83	96	98	92	96
MB 320-787103/1-A	Method Blank	80	85	86	92	96	109	90	92
MB 320-787218/1-A	Method Blank	79	79	87	92	109	117	100	101
MB 320-787228/1-A	Method Blank	89	91	87	96	114	112	99	102

**Surrogate Legend**

# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

PFBA = 13C4 PFBA  
PFPeA = 13C5 PFPeA  
PFHxA = 13C2 PFHxA  
C4PFHA = 13C4 PFHpA  
PFOA = 13C4 PFOA  
PFNA = 13C5 PFNA  
PFDA = 13C2 PFDA  
PFUnA = 13C2 PFUnA  
PFDoA = 13C2 PFDoA  
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

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787026/1-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 07:42	08/05/24 13:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 07:42	08/05/24 13:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 07:42	08/05/24 13:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 07:42	08/05/24 13:27	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 07:42	08/05/24 13:27	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 07:42	08/05/24 13:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 07:42	08/05/24 13:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 07:42	08/05/24 13:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 07:42	08/05/24 13:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 07:42	08/05/24 13:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 07:42	08/05/24 13:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 07:42	08/05/24 13:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 07:42	08/05/24 13:27	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 07:42	08/05/24 13:27	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 07:42	08/05/24 13:27	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	101		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C5 PFPeA	102		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C2 PFHxA	102		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C4 PFHpA	106		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C4 PFOA	104		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C5 PFNA	109		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C2 PFDA	107		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C2 PFUnA	108		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C2 PFDoA	107		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C2 PFTeDA	94		25 - 150	08/02/24 07:42	08/05/24 13:27	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787026/1-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	98		25 - 150	08/02/24 07:42	08/05/24 13:27	1
18O2 PFHxS	107		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C4 PFOS	106		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C8 FOSA	102		10 - 150	08/02/24 07:42	08/05/24 13:27	1
d3-NMeFOSAA	115		25 - 150	08/02/24 07:42	08/05/24 13:27	1
d5-NEtFOSAA	118		25 - 150	08/02/24 07:42	08/05/24 13:27	1
d-N-MeFOSA-M	77		10 - 150	08/02/24 07:42	08/05/24 13:27	1
d-N-EtFOSA-M	74		10 - 150	08/02/24 07:42	08/05/24 13:27	1
d7-N-MeFOSE-M	91		10 - 150	08/02/24 07:42	08/05/24 13:27	1
d9-N-EtFOSE-M	89		10 - 150	08/02/24 07:42	08/05/24 13:27	1
M2-4:2 FTS	105		25 - 150	08/02/24 07:42	08/05/24 13:27	1
M2-6:2 FTS	112		25 - 150	08/02/24 07:42	08/05/24 13:27	1
M2-8:2 FTS	107		25 - 150	08/02/24 07:42	08/05/24 13:27	1
13C3 HFPO-DA	105		25 - 150	08/02/24 07:42	08/05/24 13:27	1

**Lab Sample ID: LCS 320-787026/3-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	160	166		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	160	197		ng/L		123	60 - 135
Perfluorohexanoic acid (PFHxA)	160	157		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	160	164		ng/L		102	60 - 135
Perfluorooctanoic acid (PFOA)	160	145		ng/L		90	60 - 135
Perfluorononanoic acid (PFNA)	160	160		ng/L		100	60 - 135
Perfluorodecanoic acid (PFDA)	160	157		ng/L		98	60 - 135
Perfluoroundecanoic acid (PFUnA)	160	166		ng/L		104	60 - 135
Perfluorododecanoic acid (PFDoA)	160	159		ng/L		99	60 - 135
Perfluorotridecanoic acid (PFTrDA)	160	139		ng/L		87	60 - 135
Perfluorotetradecanoic acid (PFTeA)	160	162		ng/L		101	60 - 135
Perfluorobutanesulfonic acid (PFBS)	142	159		ng/L		112	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	150	168		ng/L		112	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	146	149		ng/L		102	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	153	162		ng/L		106	60 - 135
Perfluorooctanesulfonic acid (PFOS)	149	151		ng/L		101	60 - 135
Perfluorononanesulfonic acid (PFNS)	154	151		ng/L		98	60 - 135
Perfluorodecanesulfonic acid (PFDS)	154	155		ng/L		100	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	155	136		ng/L		88	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCS 320-787026/3-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	160	169		ng/L		106	60 - 135
NEtFOSA	160	160		ng/L		100	60 - 135
NMeFOSA	160	156		ng/L		98	60 - 135
NMeFOSAA	160	160		ng/L		100	60 - 135
NEtFOSAA	160	161		ng/L		101	60 - 135
NMeFOSE	160	166		ng/L		104	60 - 135
NEtFOSE	160	160		ng/L		100	60 - 135
4:2 FTS	150	163		ng/L		108	60 - 135
6:2 FTS	152	141		ng/L		93	60 - 135
8:2 FTS	154	155		ng/L		101	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	145		ng/L		96	60 - 135
HFPO-DA (GenX)	160	166		ng/L		103	60 - 135
9Cl-PF3ONS	149	158		ng/L		106	60 - 135
11Cl-PF3OUdS	151	150		ng/L		99	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	102		25 - 150
13C5 PFPeA	104		25 - 150
13C2 PFHxA	106		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	110		25 - 150
13C5 PFNA	108		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	92		25 - 150
13C3 PFBS	102		25 - 150
18O2 PFHxS	106		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	102		10 - 150
d3-NMeFOSAA	119		25 - 150
d5-NEtFOSAA	113		25 - 150
d-N-MeFOSA-M	88		10 - 150
d-N-EtFOSA-M	84		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	102		25 - 150
M2-6:2 FTS	120		25 - 150
M2-8:2 FTS	114		25 - 150
13C3 HFPO-DA	104		25 - 150

**Lab Sample ID: LCSD 320-787026/4-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	160	166		ng/L		104	60 - 135	0	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787026/4-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	160	208		ng/L		130	60 - 135	6	30
Perfluorohexanoic acid (PFHxA)	160	159		ng/L		99	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)	160	163		ng/L		102	60 - 135	0	30
Perfluorooctanoic acid (PFOA)	160	160		ng/L		100	60 - 135	10	30
Perfluorononanoic acid (PFNA)	160	168		ng/L		105	60 - 135	5	30
Perfluorodecanoic acid (PFDA)	160	159		ng/L		99	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)	160	171		ng/L		107	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)	160	171		ng/L		107	60 - 135	8	30
Perfluorotridecanoic acid (PFTrDA)	160	161		ng/L		101	60 - 135	15	30
Perfluorotetradecanoic acid (PFTeA)	160	174		ng/L		109	60 - 135	7	30
Perfluorobutanesulfonic acid (PFBS)	142	162		ng/L		114	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	150	169		ng/L		112	60 - 135	0	30
Perfluorohexanesulfonic acid (PFHxS)	146	151		ng/L		103	60 - 135	2	30
Perfluoroheptanesulfonic acid (PFHpS)	153	163		ng/L		107	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)	149	152		ng/L		102	60 - 135	0	30
Perfluorononanesulfonic acid (PFNS)	154	158		ng/L		102	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)	154	160		ng/L		104	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)	155	148		ng/L		96	60 - 135	9	30
Perfluorooctanesulfonamide (FOSA)	160	173		ng/L		108	60 - 135	2	30
NEtFOSA	160	167		ng/L		104	60 - 135	4	30
NMeFOSA	160	163		ng/L		102	60 - 135	4	30
NMeFOSAA	160	163		ng/L		102	60 - 135	2	30
NEtFOSAA	160	164		ng/L		102	60 - 135	2	30
NMeFOSE	160	169		ng/L		106	60 - 135	2	30
NEtFOSE	160	167		ng/L		104	60 - 135	4	30
4:2 FTS	150	150		ng/L		100	60 - 135	8	30
6:2 FTS	152	149		ng/L		98	60 - 135	5	30
8:2 FTS	154	164		ng/L		107	60 - 135	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	149		ng/L		99	60 - 135	3	30
HFPO-DA (GenX)	160	166		ng/L		104	60 - 135	0	30
9Cl-PF3ONS	149	158		ng/L		106	60 - 135	0	30
11Cl-PF3OUdS	151	154		ng/L		102	60 - 135	3	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	101		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	105		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787026/4-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

<i>Isotope Dilution</i>	<i>LCS D</i>	<i>LCS D</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFOA	103		25 - 150
13C5 PFNA	104		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	105		25 - 150
13C2 PFDoA	102		25 - 150
13C2 PFTeDA	89		25 - 150
13C3 PFBS	100		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	109		25 - 150
13C8 FOSA	102		10 - 150
d3-NMeFOSAA	120		25 - 150
d5-NEtFOSAA	112		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	79		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	87		10 - 150
M2-4:2 FTS	110		25 - 150
M2-6:2 FTS	114		25 - 150
M2-8:2 FTS	108		25 - 150
13C3 HFPO-DA	102		25 - 150

**Lab Sample ID: LLCS 320-787026/2-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

<i>Analyte</i>	<i>Spike Added</i>	<i>LLCS Result</i>	<i>LLCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
Perfluorobutanoic acid (PFBA)	8.00	8.77		ng/L		110	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.75		ng/L		122	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.20		ng/L		103	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.88		ng/L		111	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.21		ng/L		103	50 - 150
Perfluorononanoic acid (PFNA)	8.00	7.99		ng/L		100	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	8.47		ng/L		106	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.14		ng/L		102	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.25		ng/L		103	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.22		ng/L		90	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.46		ng/L		106	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.88		ng/L		111	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.25		ng/L		110	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.65		ng/L		105	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.67		ng/L		114	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.98		ng/L		107	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCS 320-787026/2-A**  
**Matrix: Water**  
**Analysis Batch: 787640**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787026**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	8.13		ng/L		106	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.67		ng/L		99	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.50		ng/L		84	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	9.22		ng/L		115	50 - 150
NEtFOSA	8.00	8.19		ng/L		102	50 - 150
NMeFOSA	8.00	7.90		ng/L		99	50 - 150
NMeFOSAA	8.00	8.19		ng/L		102	50 - 150
NEtFOSAA	8.00	8.02		ng/L		100	50 - 150
NMeFOSE	8.00	8.38		ng/L		105	50 - 150
NEtFOSE	8.00	8.67		ng/L		108	50 - 150
4:2 FTS	7.50	7.18		ng/L		96	50 - 150
6:2 FTS	7.62	7.43		ng/L		98	50 - 150
8:2 FTS	7.68	8.66		ng/L		113	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.11		ng/L		107	50 - 150
HFPO-DA (GenX)	8.00	8.55		ng/L		107	50 - 150
9CI-PF3ONS	7.47	8.42		ng/L		113	50 - 150
11CI-PF3OUdS	7.55	7.58		ng/L		100	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	LLCS Limits
13C4 PFBA	101		25 - 150
13C5 PFPeA	101		25 - 150
13C2 PFHxA	105		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	105		25 - 150
13C5 PFNA	109		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	90		25 - 150
13C3 PFBS	100		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	105		25 - 150
13C8 FOSA	101		10 - 150
d3-NMeFOSAA	119		25 - 150
d5-NEtFOSAA	113		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	84		10 - 150
d7-N-MeFOSE-M	95		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	113		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	109		25 - 150
13C3 HFPO-DA	104		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787099/1-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 08:48	08/03/24 00:42	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 08:48	08/03/24 00:42	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 08:48	08/03/24 00:42	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:48	08/03/24 00:42	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:48	08/03/24 00:42	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:48	08/03/24 00:42	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:48	08/03/24 00:42	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 08:48	08/03/24 00:42	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 00:42	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 08:48	08/03/24 00:42	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 08:48	08/03/24 00:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:48	08/03/24 00:42	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:48	08/03/24 00:42	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:48	08/03/24 00:42	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:48	08/03/24 00:42	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	89		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C5 PFPeA	93		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C2 PFHxA	96		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C4 PFHpA	97		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C4 PFOA	102		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C5 PFNA	94		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C2 PFDA	93		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C2 PFUnA	91		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C2 PFDoA	94		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C2 PFTeDA	86		25 - 150	08/02/24 08:48	08/03/24 00:42	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787099/1-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	80		25 - 150	08/02/24 08:48	08/03/24 00:42	1
18O2 PFHxS	94		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C4 PFOS	89		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C8 FOSA	83		10 - 150	08/02/24 08:48	08/03/24 00:42	1
d3-NMeFOSAA	78		25 - 150	08/02/24 08:48	08/03/24 00:42	1
d5-NEtFOSAA	84		25 - 150	08/02/24 08:48	08/03/24 00:42	1
d-N-MeFOSA-M	69		10 - 150	08/02/24 08:48	08/03/24 00:42	1
d-N-EtFOSA-M	67		10 - 150	08/02/24 08:48	08/03/24 00:42	1
d7-N-MeFOSE-M	81		10 - 150	08/02/24 08:48	08/03/24 00:42	1
d9-N-EtFOSE-M	83		10 - 150	08/02/24 08:48	08/03/24 00:42	1
M2-4:2 FTS	96		25 - 150	08/02/24 08:48	08/03/24 00:42	1
M2-6:2 FTS	98		25 - 150	08/02/24 08:48	08/03/24 00:42	1
M2-8:2 FTS	92		25 - 150	08/02/24 08:48	08/03/24 00:42	1
13C3 HFPO-DA	96		25 - 150	08/02/24 08:48	08/03/24 00:42	1

**Lab Sample ID: LCS 320-787099/3-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	39.5		ng/L		99	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	38.7		ng/L		97	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.9		ng/L		100	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.3		ng/L		106	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	36.9		ng/L		92	60 - 135
Perfluorononanoic acid (PFNA)	40.0	34.5		ng/L		86	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.9		ng/L		107	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	41.9		ng/L		105	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.2		ng/L		103	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.0		ng/L		98	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.1		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	39.1		ng/L		110	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	43.0		ng/L		114	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	38.2		ng/L		105	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.8		ng/L		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	38.1		ng/L		102	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.6		ng/L		98	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.3		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	43.8		ng/L		113	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCS 320-787099/3-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	41.0		ng/L		103	60 - 135
NEtFOSA	40.0	39.4		ng/L		98	60 - 135
NMeFOSA	40.0	40.6		ng/L		102	60 - 135
NMeFOSAA	40.0	39.0		ng/L		97	60 - 135
NEtFOSAA	40.0	32.2		ng/L		80	60 - 135
NMeFOSE	40.0	40.2		ng/L		101	60 - 135
NEtFOSE	40.0	38.6		ng/L		97	60 - 135
4:2 FTS	37.5	38.4		ng/L		102	60 - 135
6:2 FTS	38.1	37.0		ng/L		97	60 - 135
8:2 FTS	38.4	37.5		ng/L		98	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.9		ng/L		92	60 - 135
HFPO-DA (GenX)	40.0	43.5		ng/L		109	60 - 135
9Cl-PF3ONS	37.4	32.8		ng/L		88	60 - 135
11Cl-PF3OUdS	37.8	41.1		ng/L		109	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	96		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	96		25 - 150
13C2 PFTeDA	91		25 - 150
13C3 PFBS	80		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	90		10 - 150
d3-NMeFOSAA	81		25 - 150
d5-NEtFOSAA	85		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	69		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	90		10 - 150
M2-4:2 FTS	99		25 - 150
M2-6:2 FTS	101		25 - 150
M2-8:2 FTS	90		25 - 150
13C3 HFPO-DA	93		25 - 150

**Lab Sample ID: LCSD 320-787099/4-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	43.8		ng/L		109	60 - 135	10	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787099/4-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	40.0		ng/L		100	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)	40.0	40.4		ng/L		101	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.6		ng/L		104	60 - 135	2	30
Perfluorooctanoic acid (PFOA)	40.0	37.5		ng/L		94	60 - 135	2	30
Perfluorononanoic acid (PFNA)	40.0	33.8		ng/L		85	60 - 135	2	30
Perfluorodecanoic acid (PFDA)	40.0	44.5		ng/L		111	60 - 135	3	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.6		ng/L		109	60 - 135	4	30
Perfluorododecanoic acid (PFDoA)	40.0	39.7		ng/L		99	60 - 135	4	30
Perfluorotridecanoic acid (PFTrDA)	40.0	35.9		ng/L		90	60 - 135	8	30
Perfluorotetradecanoic acid (PFTeA)	40.0	41.0		ng/L		103	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)	35.5	39.7		ng/L		112	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	44.3		ng/L		118	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.9		ng/L		101	60 - 135	3	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.9		ng/L		105	60 - 135	2	30
Perfluorooctanesulfonic acid (PFOS)	37.2	37.1		ng/L		100	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.8		ng/L		93	60 - 135	5	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.3		ng/L		94	60 - 135	5	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	40.4		ng/L		104	60 - 135	8	30
Perfluorooctanesulfonamide (FOSA)	40.0	42.3		ng/L		106	60 - 135	3	30
NEtFOSA	40.0	39.4		ng/L		98	60 - 135	0	30
NMeFOSA	40.0	42.2		ng/L		105	60 - 135	4	30
NMeFOSAA	40.0	39.7		ng/L		99	60 - 135	2	30
NEtFOSAA	40.0	36.8		ng/L		92	60 - 135	14	30
NMeFOSE	40.0	39.3		ng/L		98	60 - 135	2	30
NEtFOSE	40.0	37.9		ng/L		95	60 - 135	2	30
4:2 FTS	37.5	39.5		ng/L		105	60 - 135	3	30
6:2 FTS	38.1	43.6		ng/L		115	60 - 135	16	30
8:2 FTS	38.4	39.7		ng/L		103	60 - 135	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.9		ng/L		92	60 - 135	0	30
HFPO-DA (GenX)	40.0	43.4		ng/L		109	60 - 135	0	30
9Cl-PF3ONS	37.4	35.0		ng/L		94	60 - 135	6	30
11Cl-PF3OUdS	37.8	39.3		ng/L		104	60 - 135	4	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	91		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	105		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787099/4-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	103		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	92		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	106		25 - 150
13C4 PFOS	99		25 - 150
13C8 FOSA	91		10 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	82		25 - 150
d-N-MeFOSA-M	84		10 - 150
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	87		10 - 150
d9-N-EtFOSE-M	97		10 - 150
M2-4:2 FTS	103		25 - 150
M2-6:2 FTS	101		25 - 150
M2-8:2 FTS	99		25 - 150
13C3 HFPO-DA	101		25 - 150

**Lab Sample ID: LLCS 320-787099/2-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec	Limits
Perfluorobutanoic acid (PFBA)	8.00	7.74		ng/L		97		50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	7.88		ng/L		98		50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	7.38		ng/L		92		50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.96		ng/L		99		50 - 150
Perfluorooctanoic acid (PFOA)	8.00	7.09		ng/L		89		50 - 150
Perfluorononanoic acid (PFNA)	8.00	6.18		ng/L		77		50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.22		ng/L		90		50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	7.32		ng/L		92		50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.02		ng/L		100		50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.75		ng/L		97		50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.92		ng/L		99		50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.36		ng/L		104		50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.17		ng/L		109		50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.98		ng/L		96		50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.61		ng/L		100		50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.16		ng/L		96		50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCS 320-787099/2-A**  
**Matrix: Water**  
**Analysis Batch: 787329**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787099**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	6.85		ng/L		89	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.73		ng/L		100	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.47		ng/L		96	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	8.09		ng/L		101	50 - 150
NEtFOSA	8.00	7.12		ng/L		89	50 - 150
NMeFOSA	8.00	7.93		ng/L		99	50 - 150
NMeFOSAA	8.00	6.86		ng/L		86	50 - 150
NEtFOSAA	8.00	7.40		ng/L		92	50 - 150
NMeFOSE	8.00	7.17		ng/L		90	50 - 150
NEtFOSE	8.00	6.93		ng/L		87	50 - 150
4:2 FTS	7.50	6.56		ng/L		87	50 - 150
6:2 FTS	7.62	7.23		ng/L		95	50 - 150
8:2 FTS	7.68	8.26		ng/L		108	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	6.78		ng/L		90	50 - 150
HFPO-DA (GenX)	8.00	7.79		ng/L		97	50 - 150
9CI-PF3ONS	7.47	6.82		ng/L		91	50 - 150
11CI-PF3OUdS	7.55	7.86		ng/L		104	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	94		25 - 150
13C5 PFPeA	101		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	105		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	105		25 - 150
13C2 PFTeDA	91		25 - 150
13C3 PFBS	80		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	86		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	73		10 - 150
d7-N-MeFOSE-M	87		10 - 150
d9-N-EtFOSE-M	94		10 - 150
M2-4:2 FTS	107		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	96		25 - 150
13C3 HFPO-DA	99		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787103/1-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 08:56	08/02/24 20:31	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 08:56	08/02/24 20:31	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 08:56	08/02/24 20:31	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 08:56	08/02/24 20:31	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 08:56	08/02/24 20:31	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 08:56	08/02/24 20:31	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 08:56	08/02/24 20:31	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 08:56	08/02/24 20:31	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/02/24 20:31	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 08:56	08/02/24 20:31	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 08:56	08/02/24 20:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 08:56	08/02/24 20:31	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 08:56	08/02/24 20:31	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 08:56	08/02/24 20:31	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 08:56	08/02/24 20:31	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	88		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C5 PFPeA	89		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C2 PFHxA	93		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C4 PFHpA	97		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C4 PFOA	96		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C5 PFNA	98		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C2 PFDA	96		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C2 PFUnA	86		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C2 PFDoA	96		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C2 PFTeDA	90		25 - 150	08/02/24 08:56	08/02/24 20:31	1

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787103/1-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	75		25 - 150	08/02/24 08:56	08/02/24 20:31	1
18O2 PFHxS	91		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C4 PFOS	90		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C8 FOSA	89		10 - 150	08/02/24 08:56	08/02/24 20:31	1
d3-NMeFOSAA	84		25 - 150	08/02/24 08:56	08/02/24 20:31	1
d5-NEtFOSAA	77		25 - 150	08/02/24 08:56	08/02/24 20:31	1
d-N-MeFOSA-M	80		10 - 150	08/02/24 08:56	08/02/24 20:31	1
d-N-EtFOSA-M	85		10 - 150	08/02/24 08:56	08/02/24 20:31	1
d7-N-MeFOSE-M	86		10 - 150	08/02/24 08:56	08/02/24 20:31	1
d9-N-EtFOSE-M	92		10 - 150	08/02/24 08:56	08/02/24 20:31	1
M2-4:2 FTS	96		25 - 150	08/02/24 08:56	08/02/24 20:31	1
M2-6:2 FTS	109		25 - 150	08/02/24 08:56	08/02/24 20:31	1
M2-8:2 FTS	90		25 - 150	08/02/24 08:56	08/02/24 20:31	1
13C3 HFPO-DA	92		25 - 150	08/02/24 08:56	08/02/24 20:31	1

**Lab Sample ID: LCS 320-787103/3-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	160	173		ng/L		108	60 - 135
Perfluoropentanoic acid (PFPeA)	160	164		ng/L		103	60 - 135
Perfluorohexanoic acid (PFHxA)	160	168		ng/L		105	60 - 135
Perfluoroheptanoic acid (PFHpA)	160	187		ng/L		117	60 - 135
Perfluorooctanoic acid (PFOA)	160	151		ng/L		94	60 - 135
Perfluorononanoic acid (PFNA)	160	137		ng/L		86	60 - 135
Perfluorodecanoic acid (PFDA)	160	192		ng/L		120	60 - 135
Perfluoroundecanoic acid (PFUnA)	160	191		ng/L		120	60 - 135
Perfluorododecanoic acid (PFDoA)	160	175		ng/L		109	60 - 135
Perfluorotridecanoic acid (PFTrDA)	160	173		ng/L		108	60 - 135
Perfluorotetradecanoic acid (PFTeA)	160	176		ng/L		110	60 - 135
Perfluorobutanesulfonic acid (PFBS)	142	167		ng/L		118	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	150	191		ng/L		127	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	146	158		ng/L		108	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	153	167		ng/L		109	60 - 135
Perfluorooctanesulfonic acid (PFOS)	149	156		ng/L		105	60 - 135
Perfluorononanesulfonic acid (PFNS)	154	156		ng/L		101	60 - 135
Perfluorodecanesulfonic acid (PFDS)	154	166		ng/L		108	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	155	180		ng/L		116	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCS 320-787103/3-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	160	181		ng/L		113	60 - 135
NEtFOSA	160	169		ng/L		106	60 - 135
NMeFOSA	160	173		ng/L		108	60 - 135
NMeFOSAA	160	158		ng/L		99	60 - 135
NEtFOSAA	160	145		ng/L		91	60 - 135
NMeFOSE	160	174		ng/L		109	60 - 135
NEtFOSE	160	161		ng/L		101	60 - 135
4:2 FTS	150	159		ng/L		106	60 - 135
6:2 FTS	152	163		ng/L		107	60 - 135
8:2 FTS	154	154		ng/L		100	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	150		ng/L		99	60 - 135
HFPO-DA (GenX)	160	181		ng/L		113	60 - 135
9Cl-PF3ONS	149	137		ng/L		92	60 - 135
11Cl-PF3OUdS	151	177		ng/L		117	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	97		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	94		25 - 150
13C2 PFTeDA	90		25 - 150
13C3 PFBS	72		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	89		25 - 150
13C8 FOSA	82		10 - 150
d3-NMeFOSAA	81		25 - 150
d5-NEtFOSAA	76		25 - 150
d-N-MeFOSA-M	80		10 - 150
d-N-EtFOSA-M	72		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	91		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	90		25 - 150
13C3 HFPO-DA	98		25 - 150

**Lab Sample ID: LCSD 320-787103/4-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	160	169		ng/L		106	60 - 135	2	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787103/4-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	160	167		ng/L		104	60 - 135	1	30
Perfluorohexanoic acid (PFHxA)	160	162		ng/L		101	60 - 135	4	30
Perfluoroheptanoic acid (PFHpA)	160	175		ng/L		109	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	160	156		ng/L		98	60 - 135	3	30
Perfluorononanoic acid (PFNA)	160	132		ng/L		83	60 - 135	4	30
Perfluorodecanoic acid (PFDA)	160	188		ng/L		117	60 - 135	2	30
Perfluoroundecanoic acid (PFUnA)	160	190		ng/L		119	60 - 135	1	30
Perfluorododecanoic acid (PFDoA)	160	178		ng/L		111	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)	160	164		ng/L		103	60 - 135	5	30
Perfluorotetradecanoic acid (PFTeA)	160	172		ng/L		108	60 - 135	2	30
Perfluorobutanesulfonic acid (PFBS)	142	157		ng/L		111	60 - 135	6	30
Perfluoropentanesulfonic acid (PFPeS)	150	178		ng/L		118	60 - 135	7	30
Perfluorohexanesulfonic acid (PFHxS)	146	153		ng/L		105	60 - 135	3	30
Perfluoroheptanesulfonic acid (PFHpS)	153	169		ng/L		111	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)	149	159		ng/L		107	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)	154	152		ng/L		99	60 - 135	2	30
Perfluorodecanesulfonic acid (PFDS)	154	159		ng/L		103	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)	155	178		ng/L		115	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA)	160	171		ng/L		107	60 - 135	6	30
NEtFOSA	160	160		ng/L		100	60 - 135	6	30
NMeFOSA	160	166		ng/L		104	60 - 135	4	30
NMeFOSAA	160	148		ng/L		92	60 - 135	7	30
NEtFOSAA	160	145		ng/L		91	60 - 135	0	30
NMeFOSE	160	163		ng/L		102	60 - 135	7	30
NEtFOSE	160	163		ng/L		102	60 - 135	1	30
4:2 FTS	150	148		ng/L		99	60 - 135	7	30
6:2 FTS	152	164		ng/L		108	60 - 135	1	30
8:2 FTS	154	152		ng/L		99	60 - 135	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	161		ng/L		106	60 - 135	7	30
HFPO-DA (GenX)	160	183		ng/L		114	60 - 135	1	30
9Cl-PF3ONS	149	144		ng/L		97	60 - 135	5	30
11Cl-PF3OUdS	151	173		ng/L		115	60 - 135	2	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	93		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	100		25 - 150
13C4 PFHpA	97		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787103/4-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	98		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDaA	90		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	78		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	88		10 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	72		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	86		10 - 150
d9-N-EtFOSE-M	87		10 - 150
M2-4:2 FTS	103		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	99		25 - 150

**Lab Sample ID: LLCS 320-787103/2-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LLCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	8.00	7.95		ng/L		99	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	7.72		ng/L		96	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	7.60		ng/L		95	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.05		ng/L		101	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	7.54		ng/L		94	50 - 150
Perfluorononanoic acid (PFNA)	8.00	6.61		ng/L		83	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.66		ng/L		96	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.43		ng/L		105	50 - 150
Perfluorododecanoic acid (PFDaA)	8.00	8.75		ng/L		109	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.74		ng/L		97	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.33		ng/L		104	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.76		ng/L		109	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	9.26		ng/L		123	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.54		ng/L		103	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.44		ng/L		111	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.14		ng/L		96	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCS 320-787103/2-A**  
**Matrix: Water**  
**Analysis Batch: 787322**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787103**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	8.04		ng/L		104	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.84		ng/L		102	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	8.16		ng/L		105	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	8.26		ng/L		103	50 - 150
NEtFOSA	8.00	7.37		ng/L		92	50 - 150
NMeFOSA	8.00	8.68		ng/L		109	50 - 150
NMeFOSAA	8.00	7.62		ng/L		95	50 - 150
NEtFOSAA	8.00	6.03		ng/L		75	50 - 150
NMeFOSE	8.00	8.11		ng/L		101	50 - 150
NEtFOSE	8.00	7.66		ng/L		96	50 - 150
4:2 FTS	7.50	7.41		ng/L		99	50 - 150
6:2 FTS	7.62	7.25		ng/L		95	50 - 150
8:2 FTS	7.68	7.13		ng/L		93	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.25		ng/L		96	50 - 150
HFPO-DA (GenX)	8.00	8.49		ng/L		106	50 - 150
9CI-PF3ONS	7.47	6.91		ng/L		92	50 - 150
11CI-PF3OUdS	7.55	7.77		ng/L		103	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	90		25 - 150
13C5 PFPeA	89		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	92		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	73		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	84		10 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	78		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	83		10 - 150
M2-4:2 FTS	102		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	89		25 - 150
13C3 HFPO-DA	90		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787218/1-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 11:54	08/06/24 01:19	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 11:54	08/06/24 01:19	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 11:54	08/06/24 01:19	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 11:54	08/06/24 01:19	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 11:54	08/06/24 01:19	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 11:54	08/06/24 01:19	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 11:54	08/06/24 01:19	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 11:54	08/06/24 01:19	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 01:19	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 11:54	08/06/24 01:19	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 11:54	08/06/24 01:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 11:54	08/06/24 01:19	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 11:54	08/06/24 01:19	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 11:54	08/06/24 01:19	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 11:54	08/06/24 01:19	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	95		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C5 PFPeA	95		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C2 PFHxA	103		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C4 PFHpA	101		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C4 PFOA	103		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C5 PFNA	100		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C2 PFDA	106		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C2 PFUnA	98		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C2 PFDoA	99		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C2 PFTeDA	86		25 - 150	08/02/24 11:54	08/06/24 01:19	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787218/1-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	89		25 - 150	08/02/24 11:54	08/06/24 01:19	1
18O2 PFHxS	102		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C4 PFOS	99		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C8 FOSA	95		10 - 150	08/02/24 11:54	08/06/24 01:19	1
d3-NMeFOSAA	91		25 - 150	08/02/24 11:54	08/06/24 01:19	1
d5-NEtFOSAA	88		25 - 150	08/02/24 11:54	08/06/24 01:19	1
d-N-MeFOSA-M	79		10 - 150	08/02/24 11:54	08/06/24 01:19	1
d-N-EtFOSA-M	79		10 - 150	08/02/24 11:54	08/06/24 01:19	1
d7-N-MeFOSE-M	87		10 - 150	08/02/24 11:54	08/06/24 01:19	1
d9-N-EtFOSE-M	92		10 - 150	08/02/24 11:54	08/06/24 01:19	1
M2-4:2 FTS	109		25 - 150	08/02/24 11:54	08/06/24 01:19	1
M2-6:2 FTS	117		25 - 150	08/02/24 11:54	08/06/24 01:19	1
M2-8:2 FTS	100		25 - 150	08/02/24 11:54	08/06/24 01:19	1
13C3 HFPO-DA	101		25 - 150	08/02/24 11:54	08/06/24 01:19	1

**Lab Sample ID: LLCS 320-787218/2-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	8.00	6.85		ng/L		86	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	6.91		ng/L		86	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	7.40		ng/L		92	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.50		ng/L		94	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	6.43		ng/L		80	50 - 150
Perfluorononanoic acid (PFNA)	8.00	5.37		ng/L		67	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.03		ng/L		88	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	6.88		ng/L		86	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	7.33		ng/L		92	50 - 150
Perfluorotridecanoic acid (PFTrDA)	8.00	6.30		ng/L		79	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.55		ng/L		94	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	6.85		ng/L		96	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.71		ng/L		103	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.69		ng/L		92	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	6.81		ng/L		89	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	6.78		ng/L		91	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	6.48		ng/L		84	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	6.31		ng/L		82	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	5.69		ng/L		73	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCS 320-787218/2-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	8.00	6.98		ng/L		87	50 - 150
NEtFOSA	8.00	6.87		ng/L		86	50 - 150
NMeFOSA	8.00	6.71		ng/L		84	50 - 150
NMeFOSAA	8.00	6.56		ng/L		82	50 - 150
NEtFOSAA	8.00	6.03		ng/L		75	50 - 150
NMeFOSE	8.00	7.10		ng/L		89	50 - 150
NEtFOSE	8.00	6.41		ng/L		80	50 - 150
4:2 FTS	7.50	6.80		ng/L		91	50 - 150
6:2 FTS	7.62	6.41		ng/L		84	50 - 150
8:2 FTS	7.68	6.83		ng/L		89	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	5.94		ng/L		78	50 - 150
HFPO-DA (GenX)	8.00	7.53		ng/L		94	50 - 150
9Cl-PF3ONS	7.47	5.61		ng/L		75	50 - 150
11Cl-PF3OUdS	7.55	6.57		ng/L		87	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	98		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	105		25 - 150
13C4 PFOA	102		25 - 150
13C5 PFNA	110		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	100		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	81		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	99		10 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	90		25 - 150
d-N-MeFOSA-M	89		10 - 150
d-N-EtFOSA-M	88		10 - 150
d7-N-MeFOSE-M	85		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	115		25 - 150
M2-6:2 FTS	116		25 - 150
M2-8:2 FTS	101		25 - 150
13C3 HFPO-DA	104		25 - 150

**Lab Sample ID: LLCSD 320-787218/3-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	8.00	7.83		ng/L		98	50 - 150	13	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCSD 320-787218/3-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	8.00	8.02		ng/L		100	50 - 150	15	30
Perfluorohexanoic acid (PFHxA)	8.00	7.90		ng/L		99	50 - 150	6	30
Perfluoroheptanoic acid (PFHpA)	8.00	8.52		ng/L		107	50 - 150	13	30
Perfluorooctanoic acid (PFOA)	8.00	7.34		ng/L		92	50 - 150	13	30
Perfluorononanoic acid (PFNA)	8.00	5.90		ng/L		74	50 - 150	9	30
Perfluorodecanoic acid (PFDA)	8.00	8.38		ng/L		105	50 - 150	17	30
Perfluoroundecanoic acid (PFUnA)	8.00	8.05		ng/L		101	50 - 150	16	30
Perfluorododecanoic acid (PFDoA)	8.00	8.10		ng/L		101	50 - 150	10	30
Perfluorotridecanoic acid (PFTrDA)	8.00	7.96		ng/L		100	50 - 150	23	30
Perfluorotetradecanoic acid (PFTeA)	8.00	8.21		ng/L		103	50 - 150	8	30
Perfluorobutanesulfonic acid (PFBS)	7.10	7.41		ng/L		104	50 - 150	8	30
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.33		ng/L		111	50 - 150	8	30
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.06		ng/L		97	50 - 150	5	30
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.89		ng/L		103	50 - 150	15	30
Perfluorooctanesulfonic acid (PFOS)	7.44	6.81		ng/L		92	50 - 150	0.5	30
Perfluorononanesulfonic acid (PFNS)	7.70	7.49		ng/L		97	50 - 150	14	30
Perfluorodecanesulfonic acid (PFDS)	7.71	7.33		ng/L		95	50 - 150	15	30
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.98	*1	ng/L		103	50 - 150	34	30
Perfluorooctanesulfonamide (FOSA)	8.00	7.68		ng/L		96	50 - 150	10	30
NEtFOSA	8.00	7.15		ng/L		89	50 - 150	4	30
NMeFOSA	8.00	6.90		ng/L		86	50 - 150	3	30
NMeFOSAA	8.00	7.45		ng/L		93	50 - 150	13	30
NEtFOSAA	8.00	6.37		ng/L		80	50 - 150	5	30
NMeFOSE	8.00	7.58		ng/L		95	50 - 150	7	30
NEtFOSE	8.00	6.70		ng/L		84	50 - 150	4	30
4:2 FTS	7.50	6.97		ng/L		93	50 - 150	3	30
6:2 FTS	7.62	7.67		ng/L		101	50 - 150	18	30
8:2 FTS	7.68	7.67		ng/L		100	50 - 150	12	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	6.51		ng/L		86	50 - 150	9	30
HFPO-DA (GenX)	8.00	8.20		ng/L		103	50 - 150	9	30
9Cl-PF3ONS	7.47	6.25		ng/L		84	50 - 150	11	30
11Cl-PF3OUdS	7.55	7.85		ng/L		104	50 - 150	18	30

Isotope Dilution	LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	95		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCSD 320-787218/3-A**  
**Matrix: Water**  
**Analysis Batch: 787663**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787218**

Isotope Dilution	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	97		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	97		25 - 150
13C2 PFTeDA	82		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	112		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	97		25 - 150
13C3 HFPO-DA	95		25 - 150

**Lab Sample ID: MB 320-787228/1-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/02/24 12:02	08/05/24 20:18	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/02/24 12:02	08/05/24 20:18	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/02/24 12:02	08/05/24 20:18	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: MB 320-787228/1-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		08/02/24 12:02	08/05/24 20:18	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/02/24 12:02	08/05/24 20:18	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/02/24 12:02	08/05/24 20:18	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/02/24 12:02	08/05/24 20:18	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/02/24 12:02	08/05/24 20:18	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/02/24 12:02	08/05/24 20:18	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/02/24 12:02	08/05/24 20:18	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/02/24 12:02	08/05/24 20:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/02/24 12:02	08/05/24 20:18	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/02/24 12:02	08/05/24 20:18	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/02/24 12:02	08/05/24 20:18	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/02/24 12:02	08/05/24 20:18	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C5 PFPeA	99		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C2 PFHxA	103		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C4 PFHpA	103		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C4 PFOA	102		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C5 PFNA	104		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C2 PFDA	102		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C2 PFUnA	101		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C2 PFDoA	102		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C2 PFTeDA	89		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C3 PFBS	92		25 - 150	08/02/24 12:02	08/05/24 20:18	1
18O2 PFHxS	106		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C4 PFOS	102		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C8 FOSA	100		10 - 150	08/02/24 12:02	08/05/24 20:18	1
d3-NMeFOSAA	93		25 - 150	08/02/24 12:02	08/05/24 20:18	1
d5-NEtFOSAA	90		25 - 150	08/02/24 12:02	08/05/24 20:18	1
d-N-MeFOSA-M	89		10 - 150	08/02/24 12:02	08/05/24 20:18	1
d-N-EtFOSA-M	91		10 - 150	08/02/24 12:02	08/05/24 20:18	1
d7-N-MeFOSE-M	87		10 - 150	08/02/24 12:02	08/05/24 20:18	1
d9-N-EtFOSE-M	96		10 - 150	08/02/24 12:02	08/05/24 20:18	1
M2-4:2 FTS	114		25 - 150	08/02/24 12:02	08/05/24 20:18	1
M2-6:2 FTS	112		25 - 150	08/02/24 12:02	08/05/24 20:18	1
M2-8:2 FTS	99		25 - 150	08/02/24 12:02	08/05/24 20:18	1
13C3 HFPO-DA	102		25 - 150	08/02/24 12:02	08/05/24 20:18	1

**Lab Sample ID: LCS 320-787228/3-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	38.5		ng/L		96	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.4		ng/L		98	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.0		ng/L		95	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.0		ng/L		98	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCS 320-787228/3-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid (PFOA)	40.0	35.6		ng/L		89	60 - 135
Perfluorononanoic acid (PFNA)	40.0	32.2		ng/L		80	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.9		ng/L		102	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.7		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	42.3		ng/L		106	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	37.9		ng/L		95	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.2		ng/L		103	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	37.5		ng/L		106	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	43.2		ng/L		115	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.9		ng/L		101	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.4		ng/L		103	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.0		ng/L		97	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	36.8		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.3		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.2		ng/L		91	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.5		ng/L		99	60 - 135
NEtFOSA	40.0	35.0		ng/L		87	60 - 135
NMeFOSA	40.0	42.4		ng/L		106	60 - 135
NMeFOSAA	40.0	36.5		ng/L		91	60 - 135
NEtFOSAA	40.0	32.6		ng/L		81	60 - 135
NMeFOSE	40.0	38.6		ng/L		97	60 - 135
NEtFOSE	40.0	36.0		ng/L		90	60 - 135
4:2 FTS	37.5	37.3		ng/L		99	60 - 135
6:2 FTS	38.1	35.1		ng/L		92	60 - 135
8:2 FTS	38.4	38.3		ng/L		100	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.8		ng/L		89	60 - 135
HFPO-DA (GenX)	40.0	40.3		ng/L		101	60 - 135
9Cl-PF3ONS	37.4	33.3		ng/L		89	60 - 135
11Cl-PF3OUdS	37.8	39.6		ng/L		105	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	97		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	104		25 - 150
13C5 PFNA	99		25 - 150
13C2 PFDA	101		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCS 320-787228/3-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFUnA	102		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	91		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	87		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	84		10 - 150
d9-N-EtFOSE-M	92		10 - 150
M2-4:2 FTS	107		25 - 150
M2-6:2 FTS	116		25 - 150
M2-8:2 FTS	95		25 - 150
13C3 HFPO-DA	98		25 - 150

**Lab Sample ID: LCSD 320-787228/4-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	39.5		ng/L		99	60 - 135	3	30	
Perfluoropentanoic acid (PFPeA)	40.0	40.0		ng/L		100	60 - 135	2	30	
Perfluorohexanoic acid (PFHxA)	40.0	38.5		ng/L		96	60 - 135	1	30	
Perfluoroheptanoic acid (PFHpA)	40.0	42.3		ng/L		106	60 - 135	8	30	
Perfluorooctanoic acid (PFOA)	40.0	37.2		ng/L		93	60 - 135	4	30	
Perfluorononanoic acid (PFNA)	40.0	31.6		ng/L		79	60 - 135	2	30	
Perfluorodecanoic acid (PFDA)	40.0	38.5		ng/L		96	60 - 135	6	30	
Perfluoroundecanoic acid (PFUnA)	40.0	44.4		ng/L		111	60 - 135	14	30	
Perfluorododecanoic acid (PFDoA)	40.0	46.0		ng/L		115	60 - 135	8	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	41.7		ng/L		104	60 - 135	10	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	41.9		ng/L		105	60 - 135	2	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	39.7		ng/L		112	60 - 135	6	30	
Perfluoropentanesulfonic acid (PFPeS)	37.6	44.4		ng/L		118	60 - 135	3	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.4		ng/L		100	60 - 135	1	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.1		ng/L		100	60 - 135	3	30	
Perfluorooctanesulfonic acid (PFOS)	37.2	35.6		ng/L		96	60 - 135	1	30	
Perfluorononanesulfonic acid (PFNS)	38.5	37.2		ng/L		97	60 - 135	1	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	38.4		ng/L		100	60 - 135	0	30	

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LCSD 320-787228/4-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.7		ng/L		92	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA)	40.0	40.7		ng/L		102	60 - 135	3	30
NEtFOSA	40.0	37.4		ng/L		94	60 - 135	7	30
NMeFOSA	40.0	39.4		ng/L		98	60 - 135	7	30
NMeFOSAA	40.0	37.4		ng/L		93	60 - 135	2	30
NEtFOSAA	40.0	32.7		ng/L		82	60 - 135	0	30
NMeFOSE	40.0	38.8		ng/L		97	60 - 135	0	30
NEtFOSE	40.0	37.5		ng/L		94	60 - 135	4	30
4:2 FTS	37.5	36.0		ng/L		96	60 - 135	4	30
6:2 FTS	38.1	39.3		ng/L		103	60 - 135	11	30
8:2 FTS	38.4	40.4		ng/L		105	60 - 135	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.3		ng/L		93	60 - 135	4	30
HFPO-DA (GenX)	40.0	41.8		ng/L		105	60 - 135	4	30
9CI-PF3ONS	37.4	32.2		ng/L		86	60 - 135	3	30
11CI-PF3OUdS	37.8	42.0		ng/L		111	60 - 135	6	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	102		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	84		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	87		10 - 150
d-N-EtFOSA-M	82		10 - 150
d7-N-MeFOSE-M	86		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	103		25 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	94		25 - 150
13C3 HFPO-DA	99		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

**Lab Sample ID: LLCS 320-787228/2-A**  
**Matrix: Water**  
**Analysis Batch: 787656**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 787228**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.51		ng/L		94	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	7.13		ng/L		89	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	7.28		ng/L		91	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.61		ng/L		95	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	6.65		ng/L		83	50 - 150
Perfluorononanoic acid (PFNA)	8.00	5.75		ng/L		72	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	6.99		ng/L		87	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	7.18		ng/L		90	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	7.25		ng/L		91	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	6.85		ng/L		86	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	6.88		ng/L		86	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	6.80		ng/L		96	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.56		ng/L		101	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.79		ng/L		93	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.48		ng/L		98	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.13		ng/L		96	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	6.85		ng/L		89	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.14		ng/L		93	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.20		ng/L		93	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	7.66		ng/L		96	50 - 150
NEtFOSA	8.00	6.00		ng/L		75	50 - 150
NMeFOSA	8.00	6.37		ng/L		80	50 - 150
NMeFOSAA	8.00	6.85		ng/L		86	50 - 150
NEtFOSAA	8.00	6.39		ng/L		80	50 - 150
NMeFOSE	8.00	6.80		ng/L		85	50 - 150
NEtFOSE	8.00	6.79		ng/L		85	50 - 150
4:2 FTS	7.50	6.18		ng/L		82	50 - 150
6:2 FTS	7.62	6.28		ng/L		82	50 - 150
8:2 FTS	7.68	8.06		ng/L		105	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	6.11		ng/L		81	50 - 150
HFPO-DA (GenX)	8.00	7.51		ng/L		94	50 - 150
9CI-PF3ONS	7.47	6.34		ng/L		85	50 - 150
11CI-PF3OUdS	7.55	7.50		ng/L		99	50 - 150
		<b>LLCS</b>	<b>LLCS</b>				
<b>Isotope Dilution</b>		<b>%Recovery</b>	<b>Qualifier</b>				<b>Limits</b>
13C4 PFBA		92					25 - 150
13C5 PFPeA		95					25 - 150
13C2 PFHxA		99					25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

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

Lab Sample ID: LLCS 320-787228/2-A  
 Matrix: Water  
 Analysis Batch: 787656

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 787228

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	104		25 - 150
13C4 PFOA	104		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	102		25 - 150
13C2 PFUnA	96		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	88		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	107		25 - 150
13C4 PFOS	100		25 - 150
13C8 FOSA	91		10 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	89		25 - 150
d-N-MeFOSA-M	86		10 - 150
d-N-EtFOSA-M	88		10 - 150
d7-N-MeFOSE-M	82		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	105		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	93		25 - 150
13C3 HFPO-DA	96		25 - 150

# QC Association Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

## LCMS

### Prep Batch: 787026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-1	MP-01-(277-293)-202407	Total/NA	Water	3535	
320-114250-2	MP-01-(253-274)-202407	Total/NA	Water	3535	
320-114250-3	MP-01-(223-250)-202407	Total/NA	Water	3535	
320-114250-4	MP-01-(198-220)-202407	Total/NA	Water	3535	
320-114250-5	MP-01-(155-195)-202407	Total/NA	Water	3535	
320-114250-5 - DL2	MP-01-(155-195)-202407	Total/NA	Water	3535	
320-114250-5 - DL	MP-01-(155-195)-202407	Total/NA	Water	3535	
320-114250-6	MP-01-(121-152)-202407	Total/NA	Water	3535	
320-114250-6 - RADL	MP-01-(121-152)-202407	Total/NA	Water	3535	
320-114250-6 - DL	MP-01-(121-152)-202407	Total/NA	Water	3535	
MB 320-787026/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-787026/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-787026/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-787026/2-A	Lab Control Sample	Total/NA	Water	3535	

### Prep Batch: 787099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-11	MP-02-(223-250)-202407	Total/NA	Water	3535	
320-114250-12 - DL	MP-02-(198-220)-202407	Total/NA	Water	3535	
320-114250-12	MP-02-(198-220)-202407	Total/NA	Water	3535	
320-114250-13	MP-02-(153-195)-202407	Total/NA	Water	3535	
320-114250-13 - DL	MP-02-(153-195)-202407	Total/NA	Water	3535	
320-114250-14	MP-03-(280-300)-202407	Total/NA	Water	3535	
320-114250-15	MP-03-(245-277)-202407	Total/NA	Water	3535	
320-114250-16	MP-03-(220-242)-202407	Total/NA	Water	3535	
320-114250-17	MP-03-(190-217)-202407	Total/NA	Water	3535	
320-114250-18	MP-03-(160-187)-202407	Total/NA	Water	3535	
320-114250-19	MP-03-(120-157)-202407	Total/NA	Water	3535	
320-114250-20	MP-03-(083-117)-202407	Total/NA	Water	3535	
320-114250-21	MP-03-(046-080)-202407	Total/NA	Water	3535	
320-114250-22	MP-04-(275-291)-202407	Total/NA	Water	3535	
320-114250-23	MP-04-(245-272)-202407	Total/NA	Water	3535	
320-114250-24	MP-04-(220-242)-202407	Total/NA	Water	3535	
320-114250-25	MP-04-(195-217)-202407	Total/NA	Water	3535	
320-114250-26 - DL	MP-04-(155-192)-202407	Total/NA	Water	3535	
320-114250-26	MP-04-(155-192)-202407	Total/NA	Water	3535	
320-114250-27 - DL	MP-04-(115-152)-202407	Total/NA	Water	3535	
320-114250-27	MP-04-(115-152)-202407	Total/NA	Water	3535	
320-114250-28 - DL	MP-04-(080-112)-202407	Total/NA	Water	3535	
320-114250-28	MP-04-(080-112)-202407	Total/NA	Water	3535	
320-114250-29	MP-04-(048-077)-202407	Total/NA	Water	3535	
320-114250-30	MP-05-(SWL-065)-202407	Total/NA	Water	3535	
MB 320-787099/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-787099/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-787099/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-787099/2-A	Lab Control Sample	Total/NA	Water	3535	

### Prep Batch: 787103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-31	MP-06-(148-178)-202407	Total/NA	Water	3535	
320-114250-32	MP-06-(113-148)-202407	Total/NA	Water	3535	

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# QC Association Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

## LCMS (Continued)

### Prep Batch: 787103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-33	MP-06-(73-110)-202407	Total/NA	Water	3535	
320-114250-34	MP-06-(36-70)-202407	Total/NA	Water	3535	
320-114250-35	MP-06-(21-33)-202407	Total/NA	Water	3535	
320-114250-36	MP-07-(220-258)-202407	Total/NA	Water	3535	
320-114250-37	MP-07-(195-217)-202407	Total/NA	Water	3535	
320-114250-38	MP-07-(155-192)-202407	Total/NA	Water	3535	
320-114250-39 - DL	MP-07-(115-152)-202407	Total/NA	Water	3535	
320-114250-39	MP-07-(115-152)-202407	Total/NA	Water	3535	
320-114250-40	MP-07-(080-112)-202407	Total/NA	Water	3535	
MB 320-787103/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-787103/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-787103/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-787103/2-A	Lab Control Sample	Total/NA	Water	3535	

### Prep Batch: 787218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-7 - DL2	MP-01-(091-118)-202407	Total/NA	Water	3535	
320-114250-7	MP-01-(091-118)-202407	Total/NA	Water	3535	
320-114250-7 - DL	MP-01-(091-118)-202407	Total/NA	Water	3535	
320-114250-8 - DL	MP-01-(051-088)-202407	Total/NA	Water	3535	
320-114250-8	MP-01-(051-088)-202407	Total/NA	Water	3535	
320-114250-9	MP-02-(279-300)-202407	Total/NA	Water	3535	
320-114250-10	MP-02-(253-276)-202407	Total/NA	Water	3535	
320-114250-41	MP-07-(048-077)-202407	Total/NA	Water	3535	
320-114250-42	MP-08-(220-246)-202407	Total/NA	Water	3535	
320-114250-43	MP-08-(195-217)-202407	Total/NA	Water	3535	
320-114250-44	MP-08-(155-192)-202407	Total/NA	Water	3535	
320-114250-45	MP-08-(115-152)-202407	Total/NA	Water	3535	
320-114250-46	MP-08-(080-112)-202407	Total/NA	Water	3535	
320-114250-47	MP-08-(048-077)-202407	Total/NA	Water	3535	
320-114250-48	DUP-01-202407	Total/NA	Water	3535	
320-114250-49	DUP-02-202407	Total/NA	Water	3535	
320-114250-50	DUP-03-202407	Total/NA	Water	3535	
MB 320-787218/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-787218/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-787218/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Prep Batch: 787228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-51	DUP-04-202407	Total/NA	Water	3535	
320-114250-52	DUP-05-202407	Total/NA	Water	3535	
320-114250-53	DUP-06-202407	Total/NA	Water	3535	
320-114250-54	DUP-07-202407	Total/NA	Water	3535	
320-114250-54 - DL	DUP-07-202407	Total/NA	Water	3535	
320-114250-55	DUP-08-202407	Total/NA	Water	3535	
320-114250-55 - DL	DUP-08-202407	Total/NA	Water	3535	
320-114250-56	FB-01-202407	Total/NA	Water	3535	
320-114250-57	EB-01-202407	Total/NA	Water	3535	
320-114250-58	EB-02-202407	Total/NA	Water	3535	
320-114250-59	EB-03-202407	Total/NA	Water	3535	
320-114250-60	EB-04-202407	Total/NA	Water	3535	

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## LCMS (Continued)

### Prep Batch: 787228 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-61	EB-05-202407	Total/NA	Water	3535	
320-114250-62	EB-06-202407	Total/NA	Water	3535	
320-114250-63	EB-07-202407	Total/NA	Water	3535	
320-114250-64	EB-08-202407	Total/NA	Water	3535	
MB 320-787228/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-787228/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-787228/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-787228/2-A	Lab Control Sample	Total/NA	Water	3535	

### Analysis Batch: 787322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-31	MP-06-(148-178)-202407	Total/NA	Water	537 (modified)	787103
320-114250-35	MP-06-(21-33)-202407	Total/NA	Water	537 (modified)	787103
320-114250-37	MP-07-(195-217)-202407	Total/NA	Water	537 (modified)	787103
320-114250-38	MP-07-(155-192)-202407	Total/NA	Water	537 (modified)	787103
MB 320-787103/1-A	Method Blank	Total/NA	Water	537 (modified)	787103
LCS 320-787103/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	787103
LCSD 320-787103/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	787103
LLCS 320-787103/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	787103

### Analysis Batch: 787329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-12	MP-02-(198-220)-202407	Total/NA	Water	537 (modified)	787099
320-114250-13	MP-02-(153-195)-202407	Total/NA	Water	537 (modified)	787099
320-114250-15	MP-03-(245-277)-202407	Total/NA	Water	537 (modified)	787099
320-114250-16	MP-03-(220-242)-202407	Total/NA	Water	537 (modified)	787099
320-114250-17	MP-03-(190-217)-202407	Total/NA	Water	537 (modified)	787099
320-114250-18	MP-03-(160-187)-202407	Total/NA	Water	537 (modified)	787099
320-114250-19	MP-03-(120-157)-202407	Total/NA	Water	537 (modified)	787099
320-114250-20	MP-03-(083-117)-202407	Total/NA	Water	537 (modified)	787099
320-114250-21	MP-03-(046-080)-202407	Total/NA	Water	537 (modified)	787099
320-114250-22	MP-04-(275-291)-202407	Total/NA	Water	537 (modified)	787099
320-114250-23	MP-04-(245-272)-202407	Total/NA	Water	537 (modified)	787099
320-114250-24	MP-04-(220-242)-202407	Total/NA	Water	537 (modified)	787099
320-114250-26	MP-04-(155-192)-202407	Total/NA	Water	537 (modified)	787099
320-114250-27	MP-04-(115-152)-202407	Total/NA	Water	537 (modified)	787099
320-114250-29	MP-04-(048-077)-202407	Total/NA	Water	537 (modified)	787099
320-114250-30	MP-05-(SWL-065)-202407	Total/NA	Water	537 (modified)	787099
MB 320-787099/1-A	Method Blank	Total/NA	Water	537 (modified)	787099
LCS 320-787099/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	787099
LCSD 320-787099/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	787099
LLCS 320-787099/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	787099

### Analysis Batch: 787555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-11	MP-02-(223-250)-202407	Total/NA	Water	537 (modified)	787099
320-114250-12 - DL	MP-02-(198-220)-202407	Total/NA	Water	537 (modified)	787099
320-114250-13 - DL	MP-02-(153-195)-202407	Total/NA	Water	537 (modified)	787099
320-114250-14	MP-03-(280-300)-202407	Total/NA	Water	537 (modified)	787099
320-114250-25	MP-04-(195-217)-202407	Total/NA	Water	537 (modified)	787099
320-114250-26 - DL	MP-04-(155-192)-202407	Total/NA	Water	537 (modified)	787099

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# QC Association Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-114250-1

## LCMS (Continued)

### Analysis Batch: 787555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-28	MP-04-(080-112)-202407	Total/NA	Water	537 (modified)	787099
320-114250-32	MP-06-(113-148)-202407	Total/NA	Water	537 (modified)	787103
320-114250-33	MP-06-(73-110)-202407	Total/NA	Water	537 (modified)	787103
320-114250-34	MP-06-(36-70)-202407	Total/NA	Water	537 (modified)	787103
320-114250-36	MP-07-(220-258)-202407	Total/NA	Water	537 (modified)	787103
320-114250-39 - DL	MP-07-(115-152)-202407	Total/NA	Water	537 (modified)	787103
320-114250-39	MP-07-(115-152)-202407	Total/NA	Water	537 (modified)	787103
320-114250-40	MP-07-(080-112)-202407	Total/NA	Water	537 (modified)	787103

### Analysis Batch: 787640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-1	MP-01-(277-293)-202407	Total/NA	Water	537 (modified)	787026
320-114250-2	MP-01-(253-274)-202407	Total/NA	Water	537 (modified)	787026
320-114250-3	MP-01-(223-250)-202407	Total/NA	Water	537 (modified)	787026
320-114250-4	MP-01-(198-220)-202407	Total/NA	Water	537 (modified)	787026
320-114250-5	MP-01-(155-195)-202407	Total/NA	Water	537 (modified)	787026
320-114250-6	MP-01-(121-152)-202407	Total/NA	Water	537 (modified)	787026
MB 320-787026/1-A	Method Blank	Total/NA	Water	537 (modified)	787026
LCS 320-787026/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	787026
LCSD 320-787026/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	787026
LLCS 320-787026/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	787026

### Analysis Batch: 787656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-51	DUP-04-202407	Total/NA	Water	537 (modified)	787228
320-114250-52	DUP-05-202407	Total/NA	Water	537 (modified)	787228
320-114250-53	DUP-06-202407	Total/NA	Water	537 (modified)	787228
320-114250-54	DUP-07-202407	Total/NA	Water	537 (modified)	787228
320-114250-55	DUP-08-202407	Total/NA	Water	537 (modified)	787228
320-114250-56	FB-01-202407	Total/NA	Water	537 (modified)	787228
320-114250-57	EB-01-202407	Total/NA	Water	537 (modified)	787228
320-114250-58	EB-02-202407	Total/NA	Water	537 (modified)	787228
320-114250-59	EB-03-202407	Total/NA	Water	537 (modified)	787228
320-114250-60	EB-04-202407	Total/NA	Water	537 (modified)	787228
320-114250-61	EB-05-202407	Total/NA	Water	537 (modified)	787228
320-114250-62	EB-06-202407	Total/NA	Water	537 (modified)	787228
320-114250-63	EB-07-202407	Total/NA	Water	537 (modified)	787228
320-114250-64	EB-08-202407	Total/NA	Water	537 (modified)	787228
MB 320-787228/1-A	Method Blank	Total/NA	Water	537 (modified)	787228
LCS 320-787228/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	787228
LCSD 320-787228/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	787228
LLCS 320-787228/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	787228

### Analysis Batch: 787663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-7	MP-01-(091-118)-202407	Total/NA	Water	537 (modified)	787218
320-114250-8	MP-01-(051-088)-202407	Total/NA	Water	537 (modified)	787218
320-114250-9	MP-02-(279-300)-202407	Total/NA	Water	537 (modified)	787218
320-114250-10	MP-02-(253-276)-202407	Total/NA	Water	537 (modified)	787218
320-114250-41	MP-07-(048-077)-202407	Total/NA	Water	537 (modified)	787218
320-114250-44	MP-08-(155-192)-202407	Total/NA	Water	537 (modified)	787218

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

## LCMS (Continued)

### Analysis Batch: 787663 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-45	MP-08-(115-152)-202407	Total/NA	Water	537 (modified)	787218
320-114250-46	MP-08-(080-112)-202407	Total/NA	Water	537 (modified)	787218
320-114250-47	MP-08-(048-077)-202407	Total/NA	Water	537 (modified)	787218
320-114250-50	DUP-03-202407	Total/NA	Water	537 (modified)	787218
MB 320-787218/1-A	Method Blank	Total/NA	Water	537 (modified)	787218
LLCS 320-787218/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	787218
LLCSD 320-787218/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	787218

### Analysis Batch: 787990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-27 - DL	MP-04-(115-152)-202407	Total/NA	Water	537 (modified)	787099
320-114250-28 - DL	MP-04-(080-112)-202407	Total/NA	Water	537 (modified)	787099

### Analysis Batch: 788033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-5 - DL	MP-01-(155-195)-202407	Total/NA	Water	537 (modified)	787026
320-114250-6 - DL	MP-01-(121-152)-202407	Total/NA	Water	537 (modified)	787026
320-114250-7 - DL	MP-01-(091-118)-202407	Total/NA	Water	537 (modified)	787218
320-114250-8 - DL	MP-01-(051-088)-202407	Total/NA	Water	537 (modified)	787218
320-114250-42	MP-08-(220-246)-202407	Total/NA	Water	537 (modified)	787218
320-114250-43	MP-08-(195-217)-202407	Total/NA	Water	537 (modified)	787218
320-114250-48	DUP-01-202407	Total/NA	Water	537 (modified)	787218
320-114250-49	DUP-02-202407	Total/NA	Water	537 (modified)	787218
320-114250-54 - DL	DUP-07-202407	Total/NA	Water	537 (modified)	787228
320-114250-55 - DL	DUP-08-202407	Total/NA	Water	537 (modified)	787228

### Analysis Batch: 788401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-114250-5 - DL2	MP-01-(155-195)-202407	Total/NA	Water	537 (modified)	787026
320-114250-6 - RADL	MP-01-(121-152)-202407	Total/NA	Water	537 (modified)	787026
320-114250-7 - DL2	MP-01-(091-118)-202407	Total/NA	Water	537 (modified)	787218

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(277-293)-202407**

**Lab Sample ID: 320-114250-1**

**Date Collected: 07/31/24 10:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.6 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 15:19	S1C	EET SAC

**Client Sample ID: MP-01-(253-274)-202407**

**Lab Sample ID: 320-114250-2**

**Date Collected: 07/31/24 10:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.5 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 15:33	S1C	EET SAC

**Client Sample ID: MP-01-(223-250)-202407**

**Lab Sample ID: 320-114250-3**

**Date Collected: 07/31/24 10:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.4 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 16:15	S1C	EET SAC

**Client Sample ID: MP-01-(198-220)-202407**

**Lab Sample ID: 320-114250-4**

**Date Collected: 07/31/24 10:45**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			196.7 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 16:29	S1C	EET SAC

**Client Sample ID: MP-01-(155-195)-202407**

**Lab Sample ID: 320-114250-5**

**Date Collected: 07/31/24 11:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			203.2 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 16:43	S1C	EET SAC
Total/NA	Prep	3535	DL2		203.2 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL2	100	1 mL	1 mL	788401	08/07/24 20:19	S1C	EET SAC
Total/NA	Prep	3535	DL		203.2 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	788033	08/06/24 17:50	C1P	EET SAC

**Client Sample ID: MP-01-(121-152)-202407**

**Lab Sample ID: 320-114250-6**

**Date Collected: 07/31/24 11:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			209 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787640	08/05/24 16:57	S1C	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-01-(121-152)-202407**

**Lab Sample ID: 320-114250-6**

**Date Collected: 07/31/24 11:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RADL		209 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)	RADL	50	1 mL	1 mL	788401	08/07/24 20:33	S1C	EET SAC
Total/NA	Prep	3535	DL		209 mL	10.0 mL	787026	08/02/24 07:42	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	788033	08/06/24 18:02	C1P	EET SAC

**Client Sample ID: MP-01-(091-118)-202407**

**Lab Sample ID: 320-114250-7**

**Date Collected: 07/31/24 11:25**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL2		228.2 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)	DL2	100	1 mL	1 mL	788401	08/07/24 19:23	S1C	EET SAC
Total/NA	Prep	3535			228.2 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 01:57	AP1	EET SAC
Total/NA	Prep	3535	DL		228.2 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	788033	08/06/24 20:33	C1P	EET SAC

**Client Sample ID: MP-01-(051-088)-202407**

**Lab Sample ID: 320-114250-8**

**Date Collected: 07/31/24 11:35**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			206 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 02:10	AP1	EET SAC
Total/NA	Prep	3535	DL		206 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	788033	08/06/24 20:45	C1P	EET SAC

**Client Sample ID: MP-02-(279-300)-202407**

**Lab Sample ID: 320-114250-9**

**Date Collected: 07/31/24 08:15**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			209.8 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 02:22	AP1	EET SAC

**Client Sample ID: MP-02-(253-276)-202407**

**Lab Sample ID: 320-114250-10**

**Date Collected: 07/31/24 08:30**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.7 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 02:35	AP1	EET SAC

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-02-(223-250)-202407**

**Lab Sample ID: 320-114250-11**

Date Collected: 07/31/24 08:45

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.6 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 15:05	K1S	EET SAC

**Client Sample ID: MP-02-(198-220)-202407**

**Lab Sample ID: 320-114250-12**

Date Collected: 07/31/24 08:55

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220.5 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 01:44	S1C	EET SAC
Total/NA	Prep	3535	DL		220.5 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	787555	08/05/24 15:43	K1S	EET SAC

**Client Sample ID: MP-02-(153-195)-202407**

**Lab Sample ID: 320-114250-13**

Date Collected: 07/31/24 09:30

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.4 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 01:57	S1C	EET SAC
Total/NA	Prep	3535	DL		233.4 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	787555	08/05/24 15:55	K1S	EET SAC

**Client Sample ID: MP-03-(280-300)-202407**

**Lab Sample ID: 320-114250-14**

Date Collected: 07/30/24 13:35

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			258 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 15:18	K1S	EET SAC

**Client Sample ID: MP-03-(245-277)-202407**

**Lab Sample ID: 320-114250-15**

Date Collected: 07/30/24 13:50

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			202.4 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 02:22	S1C	EET SAC

**Client Sample ID: MP-03-(220-242)-202407**

**Lab Sample ID: 320-114250-16**

Date Collected: 07/30/24 13:55

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 02:35	S1C	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-03-(190-217)-202407**

**Lab Sample ID: 320-114250-17**

Date Collected: 07/30/24 14:05

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.5 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 03:12	S1C	EET SAC

**Client Sample ID: MP-03-(160-187)-202407**

**Lab Sample ID: 320-114250-18**

Date Collected: 07/30/24 14:20

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.2 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 03:25	S1C	EET SAC

**Client Sample ID: MP-03-(120-157)-202407**

**Lab Sample ID: 320-114250-19**

Date Collected: 07/30/24 14:40

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			245.2 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 03:37	S1C	EET SAC

**Client Sample ID: MP-03-(083-117)-202407**

**Lab Sample ID: 320-114250-20**

Date Collected: 07/30/24 14:50

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			225.5 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 03:50	S1C	EET SAC

**Client Sample ID: MP-03-(046-080)-202407**

**Lab Sample ID: 320-114250-21**

Date Collected: 07/30/24 14:55

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			226.7 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 04:02	S1C	EET SAC

**Client Sample ID: MP-04-(275-291)-202407**

**Lab Sample ID: 320-114250-22**

Date Collected: 07/30/24 09:55

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			238.7 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 04:15	S1C	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(245-272)-202407**

**Lab Sample ID: 320-114250-23**

**Date Collected: 07/30/24 10:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			212.3 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 04:27	S1C	EET SAC

**Client Sample ID: MP-04-(220-242)-202407**

**Lab Sample ID: 320-114250-24**

**Date Collected: 07/30/24 10:20**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.9 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 04:40	S1C	EET SAC

**Client Sample ID: MP-04-(195-217)-202407**

**Lab Sample ID: 320-114250-25**

**Date Collected: 07/30/24 10:35**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			215.8 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 15:30	K1S	EET SAC

**Client Sample ID: MP-04-(155-192)-202407**

**Lab Sample ID: 320-114250-26**

**Date Collected: 07/30/24 10:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.6 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 05:05	S1C	EET SAC
Total/NA	Prep	3535	DL		250.6 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	787555	08/05/24 16:08	K1S	EET SAC

**Client Sample ID: MP-04-(115-152)-202407**

**Lab Sample ID: 320-114250-27**

**Date Collected: 07/30/24 11:00**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		228.3 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	787990	08/06/24 13:30	C1P	EET SAC
Total/NA	Prep	3535			228.3 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 05:43	S1C	EET SAC

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

**Date Collected: 07/30/24 11:05**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		238.4 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	787990	08/06/24 13:44	C1P	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-04-(080-112)-202407**

**Lab Sample ID: 320-114250-28**

Date Collected: 07/30/24 11:05

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			238.4 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 16:46	K1S	EET SAC

**Client Sample ID: MP-04-(048-077)-202407**

**Lab Sample ID: 320-114250-29**

Date Collected: 07/30/24 11:15

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			214 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 06:08	S1C	EET SAC

**Client Sample ID: MP-05-(SWL-065)-202407**

**Lab Sample ID: 320-114250-30**

Date Collected: 07/29/24 18:05

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			208.2 mL	10.0 mL	787099	08/02/24 08:48	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787329	08/03/24 06:20	S1C	EET SAC

**Client Sample ID: MP-06-(148-178)-202407**

**Lab Sample ID: 320-114250-31**

Date Collected: 07/30/24 11:55

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.4 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787322	08/02/24 21:21	S1C	EET SAC

**Client Sample ID: MP-06-(113-148)-202407**

**Lab Sample ID: 320-114250-32**

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.2 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 17:23	K1S	EET SAC

**Client Sample ID: MP-06-(73-110)-202407**

**Lab Sample ID: 320-114250-33**

Date Collected: 07/30/24 12:10

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.8 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 17:36	K1S	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-06-(36-70)-202407**

**Lab Sample ID: 320-114250-34**

Date Collected: 07/30/24 12:20

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			240 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 17:48	K1S	EET SAC

**Client Sample ID: MP-06-(21-33)-202407**

**Lab Sample ID: 320-114250-35**

Date Collected: 07/30/24 12:40

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			207.2 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787322	08/02/24 22:11	S1C	EET SAC

**Client Sample ID: MP-07-(220-258)-202407**

**Lab Sample ID: 320-114250-36**

Date Collected: 07/29/24 16:30

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.2 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 18:01	K1S	EET SAC

**Client Sample ID: MP-07-(195-217)-202407**

**Lab Sample ID: 320-114250-37**

Date Collected: 07/29/24 16:40

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.7 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787322	08/02/24 23:01	S1C	EET SAC

**Client Sample ID: MP-07-(155-192)-202407**

**Lab Sample ID: 320-114250-38**

Date Collected: 07/29/24 17:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.5 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787322	08/02/24 23:14	S1C	EET SAC

**Client Sample ID: MP-07-(115-152)-202407**

**Lab Sample ID: 320-114250-39**

Date Collected: 07/29/24 17:10

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		247.7 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	787555	08/05/24 18:26	K1S	EET SAC
Total/NA	Prep	3535			247.7 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 18:38	K1S	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-07-(080-112)-202407**

**Lab Sample ID: 320-114250-40**

Date Collected: 07/29/24 17:20

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			223.5 mL	10.0 mL	787103	08/02/24 08:56	AP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787555	08/05/24 18:13	K1S	EET SAC

**Client Sample ID: MP-07-(048-077)-202407**

**Lab Sample ID: 320-114250-41**

Date Collected: 07/29/24 17:30

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			195.7 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 02:47	AP1	EET SAC

**Client Sample ID: MP-08-(220-246)-202407**

**Lab Sample ID: 320-114250-42**

Date Collected: 07/29/24 15:05

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.7 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	788033	08/06/24 19:43	C1P	EET SAC

**Client Sample ID: MP-08-(195-217)-202407**

**Lab Sample ID: 320-114250-43**

Date Collected: 07/29/24 15:15

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.6 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	788033	08/06/24 19:55	C1P	EET SAC

**Client Sample ID: MP-08-(155-192)-202407**

**Lab Sample ID: 320-114250-44**

Date Collected: 07/29/24 15:20

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.4 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 03:50	AP1	EET SAC

**Client Sample ID: MP-08-(115-152)-202407**

**Lab Sample ID: 320-114250-45**

Date Collected: 07/29/24 15:25

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			228.4 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 04:02	AP1	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: MP-08-(080-112)-202407**

**Lab Sample ID: 320-114250-46**

Date Collected: 07/29/24 15:50

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			218 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 04:15	AP1	EET SAC

**Client Sample ID: MP-08-(048-077)-202407**

**Lab Sample ID: 320-114250-47**

Date Collected: 07/29/24 16:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			222.3 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 04:27	AP1	EET SAC

**Client Sample ID: DUP-01-202407**

**Lab Sample ID: 320-114250-48**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.2 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	788033	08/06/24 20:08	C1P	EET SAC

**Client Sample ID: DUP-02-202407**

**Lab Sample ID: 320-114250-49**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.2 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	788033	08/06/24 20:20	C1P	EET SAC

**Client Sample ID: DUP-03-202407**

**Lab Sample ID: 320-114250-50**

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.9 mL	10.0 mL	787218	08/02/24 11:54	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787663	08/06/24 05:05	AP1	EET SAC

**Client Sample ID: DUP-04-202407**

**Lab Sample ID: 320-114250-51**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.6 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 21:09	C1P	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: DUP-05-202407**

**Lab Sample ID: 320-114250-52**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.3 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 21:21	C1P	EET SAC

**Client Sample ID: DUP-06-202407**

**Lab Sample ID: 320-114250-53**

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			224.4 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 21:34	C1P	EET SAC

**Client Sample ID: DUP-07-202407**

**Lab Sample ID: 320-114250-54**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 21:46	C1P	EET SAC
Total/NA	Prep	3535	DL		221 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	788033	08/06/24 23:03	C1P	EET SAC

**Client Sample ID: DUP-08-202407**

**Lab Sample ID: 320-114250-55**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.7 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 21:59	C1P	EET SAC
Total/NA	Prep	3535	DL		251.7 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	788033	08/06/24 23:16	C1P	EET SAC

**Client Sample ID: FB-01-202407**

**Lab Sample ID: 320-114250-56**

Date Collected: 07/31/24 00:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			301.8 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 22:11	C1P	EET SAC

**Client Sample ID: EB-01-202407**

**Lab Sample ID: 320-114250-57**

Date Collected: 07/29/24 15:00

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.1 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 22:49	C1P	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-02-202407**

**Lab Sample ID: 320-114250-58**

Date Collected: 07/29/24 16:25

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.2 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 23:01	C1P	EET SAC

**Client Sample ID: EB-03-202407**

**Lab Sample ID: 320-114250-59**

Date Collected: 07/29/24 18:05

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			284.4 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 23:14	C1P	EET SAC

**Client Sample ID: EB-04-202407**

**Lab Sample ID: 320-114250-60**

Date Collected: 07/30/24 09:50

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.5 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 23:27	C1P	EET SAC

**Client Sample ID: EB-05-202407**

**Lab Sample ID: 320-114250-61**

Date Collected: 07/30/24 12:15

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 23:39	C1P	EET SAC

**Client Sample ID: EB-06-202407**

**Lab Sample ID: 320-114250-62**

Date Collected: 07/30/24 14:25

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.8 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/05/24 23:52	C1P	EET SAC

**Client Sample ID: EB-07-202407**

**Lab Sample ID: 320-114250-63**

Date Collected: 07/31/24 08:40

Matrix: Water

Date Received: 08/01/24 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.1 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/06/24 00:04	C1P	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

**Client Sample ID: EB-08-202407**

**Lab Sample ID: 320-114250-64**

**Date Collected: 07/31/24 10:50**

**Matrix: Water**

**Date Received: 08/01/24 08:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.3 mL	10.0 mL	787228	08/02/24 12:02	MKC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	787656	08/06/24 00:17	C1P	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: 320-114250-1

## 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	08-31-25

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# Method Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

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: 320-114250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-114250-1	MP-01-(277-293)-202407	Water	07/31/24 10:05	08/01/24 08:45
320-114250-2	MP-01-(253-274)-202407	Water	07/31/24 10:20	08/01/24 08:45
320-114250-3	MP-01-(223-250)-202407	Water	07/31/24 10:30	08/01/24 08:45
320-114250-4	MP-01-(198-220)-202407	Water	07/31/24 10:45	08/01/24 08:45
320-114250-5	MP-01-(155-195)-202407	Water	07/31/24 11:05	08/01/24 08:45
320-114250-6	MP-01-(121-152)-202407	Water	07/31/24 11:15	08/01/24 08:45
320-114250-7	MP-01-(091-118)-202407	Water	07/31/24 11:25	08/01/24 08:45
320-114250-8	MP-01-(051-088)-202407	Water	07/31/24 11:35	08/01/24 08:45
320-114250-9	MP-02-(279-300)-202407	Water	07/31/24 08:15	08/01/24 08:45
320-114250-10	MP-02-(253-276)-202407	Water	07/31/24 08:30	08/01/24 08:45
320-114250-11	MP-02-(223-250)-202407	Water	07/31/24 08:45	08/01/24 08:45
320-114250-12	MP-02-(198-220)-202407	Water	07/31/24 08:55	08/01/24 08:45
320-114250-13	MP-02-(153-195)-202407	Water	07/31/24 09:30	08/01/24 08:45
320-114250-14	MP-03-(280-300)-202407	Water	07/30/24 13:35	08/01/24 08:45
320-114250-15	MP-03-(245-277)-202407	Water	07/30/24 13:50	08/01/24 08:45
320-114250-16	MP-03-(220-242)-202407	Water	07/30/24 13:55	08/01/24 08:45
320-114250-17	MP-03-(190-217)-202407	Water	07/30/24 14:05	08/01/24 08:45
320-114250-18	MP-03-(160-187)-202407	Water	07/30/24 14:20	08/01/24 08:45
320-114250-19	MP-03-(120-157)-202407	Water	07/30/24 14:40	08/01/24 08:45
320-114250-20	MP-03-(083-117)-202407	Water	07/30/24 14:50	08/01/24 08:45
320-114250-21	MP-03-(046-080)-202407	Water	07/30/24 14:55	08/01/24 08:45
320-114250-22	MP-04-(275-291)-202407	Water	07/30/24 09:55	08/01/24 08:45
320-114250-23	MP-04-(245-272)-202407	Water	07/30/24 10:05	08/01/24 08:45
320-114250-24	MP-04-(220-242)-202407	Water	07/30/24 10:20	08/01/24 08:45
320-114250-25	MP-04-(195-217)-202407	Water	07/30/24 10:35	08/01/24 08:45
320-114250-26	MP-04-(155-192)-202407	Water	07/30/24 10:50	08/01/24 08:45
320-114250-27	MP-04-(115-152)-202407	Water	07/30/24 11:00	08/01/24 08:45
320-114250-28	MP-04-(080-112)-202407	Water	07/30/24 11:05	08/01/24 08:45
320-114250-29	MP-04-(048-077)-202407	Water	07/30/24 11:15	08/01/24 08:45
320-114250-30	MP-05-(SWL-065)-202407	Water	07/29/24 18:05	08/01/24 08:45
320-114250-31	MP-06-(148-178)-202407	Water	07/30/24 11:55	08/01/24 08:45
320-114250-32	MP-06-(113-148)-202407	Water	07/30/24 12:00	08/01/24 08:45
320-114250-33	MP-06-(73-110)-202407	Water	07/30/24 12:10	08/01/24 08:45
320-114250-34	MP-06-(36-70)-202407	Water	07/30/24 12:20	08/01/24 08:45
320-114250-35	MP-06-(21-33)-202407	Water	07/30/24 12:40	08/01/24 08:45
320-114250-36	MP-07-(220-258)-202407	Water	07/29/24 16:30	08/01/24 08:45
320-114250-37	MP-07-(195-217)-202407	Water	07/29/24 16:40	08/01/24 08:45
320-114250-38	MP-07-(155-192)-202407	Water	07/29/24 17:00	08/01/24 08:45
320-114250-39	MP-07-(115-152)-202407	Water	07/29/24 17:10	08/01/24 08:45
320-114250-40	MP-07-(080-112)-202407	Water	07/29/24 17:20	08/01/24 08:45
320-114250-41	MP-07-(048-077)-202407	Water	07/29/24 17:30	08/01/24 08:45
320-114250-42	MP-08-(220-246)-202407	Water	07/29/24 15:05	08/01/24 08:45
320-114250-43	MP-08-(195-217)-202407	Water	07/29/24 15:15	08/01/24 08:45
320-114250-44	MP-08-(155-192)-202407	Water	07/29/24 15:20	08/01/24 08:45
320-114250-45	MP-08-(115-152)-202407	Water	07/29/24 15:25	08/01/24 08:45
320-114250-46	MP-08-(080-112)-202407	Water	07/29/24 15:50	08/01/24 08:45
320-114250-47	MP-08-(048-077)-202407	Water	07/29/24 16:00	08/01/24 08:45
320-114250-48	DUP-01-202407	Water	07/29/24 00:00	08/01/24 08:45
320-114250-49	DUP-02-202407	Water	07/29/24 00:00	08/01/24 08:45
320-114250-50	DUP-03-202407	Water	07/29/24 00:00	08/01/24 08:45
320-114250-51	DUP-04-202407	Water	07/30/24 00:00	08/01/24 08:45
320-114250-52	DUP-05-202407	Water	07/30/24 00:00	08/01/24 08:45
320-114250-53	DUP-06-202407	Water	07/30/24 00:00	08/01/24 08:45
320-114250-54	DUP-07-202407	Water	07/31/24 00:00	08/01/24 08:45

# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-114250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-114250-55	DUP-08-202407	Water	07/31/24 00:00	08/01/24 08:45
320-114250-56	FB-01-202407	Water	07/31/24 00:00	08/01/24 08:45
320-114250-57	EB-01-202407	Water	07/29/24 15:00	08/01/24 08:45
320-114250-58	EB-02-202407	Water	07/29/24 16:25	08/01/24 08:45
320-114250-59	EB-03-202407	Water	07/29/24 18:05	08/01/24 08:45
320-114250-60	EB-04-202407	Water	07/30/24 09:50	08/01/24 08:45
320-114250-61	EB-05-202407	Water	07/30/24 12:15	08/01/24 08:45
320-114250-62	EB-06-202407	Water	07/30/24 14:25	08/01/24 08:45
320-114250-63	EB-07-202407	Water	07/31/24 08:40	08/01/24 08:45
320-114250-64	EB-08-202407	Water	07/31/24 10:50	08/01/24 08:45

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# Chain of Custody Record



<b>Client Information</b> Client Contact: Jeff Ramey Phone: 608-630-4732		Lab PM: Micah Smith E-Mail: micah.smith@et.eurofins.com		Carrier Tracking No(s): State of Origin: Wisconsin		COC No: Page: Page 1/5 Job #:			
Address: 6737 W Washington Street, Suite 2100 City: West Allis State Zip: WI 53214 Phone: 414.294.9247 Email: jramey@trccompanies.com		Project Name: RockGen Phase 2 Site: RockGen		Due Date Requested: TAT Requested (days): Standard 10-Day Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 178804 WO #:		Analysis Requested: 320-114250 Chain of Custody			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)		Empty Kit Relinquished by:		Method of Shipment:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Relinquished by: Marshal Toife		Date/Time: 7/31/2024 at 17:45		Company: TRC		Date/Time: 8/1/24 845		Company:	
Relinquished by:		Date/Time:		Company:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 1.9		Date/Time:		Company:	



# Chain of Custody Record



<b>Client Information</b> Client Contact: Jeff Ramey Phone: 608-630-4732 Company: TRC		Sampler: Marshal Toifer/Scott Litwin Lab PM: Micah Smith E-Mail: micah.smith@et.eurofins.com		Carrier Tracking No(s): State of Origin: Wisconsin Page: Page 2/5 Job #:					
Address: 6737 W Washington Street, Suite 2100 City: West Allis State, Zip: WI 53214 Phone: 414.294.9247 Email: jramey@trocompanies.com Project Name: RockGen Phase 2 Site: RockGen		PWSID: Due Date Requested: TAT Requested (days): Standard 10-Day Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PC #: 178804 WO #: 451482 Project #: 451482 SSONW#:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=TISSUE, A=AIR)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PfAS (W-33)	Analysis Requested	Special Instructions/Note
MP-03-(220-242)-202407	7/30/24	13:55	G	GW	X	X	X		
MP-03-(190-217)-202407	7/30/24	14:05	G	GW	N	X	X		
MP-03-(160-187)-202407	7/30/24	14:20	G	GW	N	X	X		
MP-03-(120-157)-202407	7/30/24	14:40	G	GW	N	X	X		
MP-03-(083-117)-202407	7/30/24	14:50	G	GW	N	X	X		
MP-03-(046-080)-202407	7/30/24	14:55	G	GW	N	X	X		
MP-04-(275-291)-202407	7/30/24	9:55	G	GW	N	X	X		
MP-04-(245-272)-202407	7/30/24	10:05	G	GW	N	X	X		
MP-04-(220-242)-202407	7/30/24	10:20	G	GW	N	X	X		
MP-04-(195-217)-202407	7/30/24	10:35	G	GW	N	X	X		
MP-04-(155-192)-202407	7/30/24	10:50	G	GW	N	X	X		
MP-04-(115-152)-202407	7/30/24	11:00	G	GW	N	X	X		
MP-04-(080-112)-202407	7/30/24	11:05	G	GW	N	X	X		
MP-04-(049-077)-202407	7/30/24	11:15	G	GW	N	X	X		
MP-05-(SWL-065)-202407	7/29/24	18:05	G	GW	N	X	X		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Special Instructions/QC Requirements									
Empty Kit Relinquished by:									
Relinquished by: Marshal Toifer		Date: 7/31/2024 at 17:45		Company: TRC		Method of Shipment:			
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i> 8/1/24 8:45			
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 1.9					



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

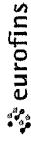
**Chain of Custody Record**



<b>Client Information</b> Client Contact: Jeff Ramey Phone: 608-630-4732	Lab PM: Micah Smith E-Mail: micah.smith@et.eurolfins.com	Carrier Tracking No(s)	COC No	Page: Page 3/5	Job #:					
<p><b>Sample</b> Marshal Torf/Scott Litwin <b>Address:</b> 6737 W Washington Street, Suite 2100 <b>City:</b> West Allis <b>State/Zip:</b> WI 53214 <b>Phone:</b> 414.294.9247 <b>Email:</b> jramey@trocompanies.com <b>Project Name:</b> RockGen Phase 2 <b>Site:</b> RockGen</p> <p><b>Due Date Requested:</b> [ ] <b>TAT Requested (days):</b> Standard 10-Day <b>Compliance Project:</b> Δ Yes Δ No <b>PO #:</b> 178804 <b>WO #:</b> [ ] <b>Project #:</b> 451482 <b>SSOW#:</b> [ ]</p>										
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=volatile, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Analysis Requested	Carrier Tracking No(s)	COC No
MP-06-(148-178)-202407	7/30/24	11 55	G	GW	N	X	X			
MP-06-(113-145)-202407	7/30/24	12 00	G	GW	N	X	X			
MP-06-(73-110)-202407	7/30/24	12 10	G	GW	N	X	X			
MP-06-(36-70)-202407	7/30/24	12 20	G	GW	N	X	X			
MP-06-(21-33)-202407	7/30/24	12 40	G	GW	N	X	X			
MP-07-(220-258)-202407	7/29/24	16 30	G	GW	N	X	X			
MP-07-(195-217)-202407	7/29/24	16 40	G	GW	N	X	X			
MP-07-(155-192)-202407	7/29/24	17 00	G	GW	N	X	X			
MP-07-(115-152)-202407	7/29/24	17 10	G	GW	N	X	X			
MP-07-(080-112)-202407	7/29/24	17 20	G	GW	N	X	X			
MP-07-(048-077)-202407	7/29/24	17 30	G	GW	N	X	X			
MP-08-(220-246)-202407	7/29/24	15 05	G	GW	N	X	X			
MP-08-(195-217)-202407	7/29/24	15 15	G	GW	N	X	X			
MP-08-(155-192)-202407	7/29/24	15 20	G	GW	N	X	X			
MP-08-(115-152)-202407	7/29/24	15 25	G	GW	N	X	X			
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> Delivarable Requested I II III IV Other (specify)						<b>Sample Disposal</b> (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Empty Kit Relinquished by		Date		Method of Shipment						
Relinquished by: Marshal Torfe	Date/Time: 7/31/2024 at 17:45	Company: TRC	Received by:	Date/Time: 8/1/24 8:45						
Relinquished by:	Date/Time:	Company:	Relinquished by:	Date/Time:						
Relinquished by:	Date/Time:	Company:	Relinquished by:	Date/Time:						
<b>Custody Seals Intact:</b>		<b>Custody Seal No.</b>		<b>Cooler Temperature(s) °C and Other Remarks:</b> 1.9						
Δ Yes Δ No										



Chain of Custody Record



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

Client Information
Sampler: Marshal Toftter/Scott Litwin
Lab PM: Micah Smith
Address: 6737 W Washington Street, Suite 2100
City: West Allis
State: WI 53214
Phone: 414.294.9247
Email: jramney@trocompanies.com
Project Name: RockGen Phase 2
Site: RockGen

Analysis Requested
Due Date Requested:
TAT Requested (days): Standard 10-Day
Compliance Project:
PO #: 176804
WO #:
Project #: 451482
SSOW#:

Table with columns: Sample Identification, Sample Date, Sample Time, Sample Type, Matrix, Preservation Code, Field Filtered Sample, Perform MS/MSD, PFAS (W-33), Total Number of Containers, Special Instructions/Note.

Possible Hazard Identification
Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological, Deliverable Requested I II III IV Other (specify)

Relinquished by: Marshal Toftter
Date/Time: 7/31/2024 at 17:45
Company: TRC
Custody Seal No.
Delta Yes/No

Received by: [Signature]
Date/Time: 8/1/24
Company: EBT Sa
Cooler Temperature(s)
Ver: 01/16/2019

**Chain of Custody Record**

<b>Client Information</b>		Sampler: Marshal Toffer/Scott Litwin		Lab PM: Micah Smith		Carrier Tracking No(s)		GOC No		
Client Contact: Jeff Ramey		Phone: 608-630-4732		E-Mail: micah.smith@eurofins.com		State of Origin: Wisconsin		Page: 5/5		
Company: TRC		PWSID:		<b>Analysis Requested</b>						
Address: 8737 W Washington Street, Suite 2100		Due Date Requested								
City: West Allis		TAT Requested (days): Standard 10-Day								
State Zip: WI 53214		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
Phone: 414.294.9247		PO #: 178804								
Email: jramey@trccompanies.com		WO #: _____								
Project Name: RockGen Phase 2		Project #: 451482								
Site: RockGen		SSOW#: _____								
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BI=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFS (W-33)	Total Number of Containers	Special Instructions/Note
EB-05-202407		7/30/24	12 15	G	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N	X	
EB-06-202407		7/30/24	14 25	G	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N	X	
EB-07-202407		7/31/24	8 40	G	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N	X	
EB-08-202407		7/31/24	10 50	G	W	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N	X	
<p>Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological</p> <p>Deliverable Requested: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other (specify) _____</p> <p>Empty Kit Relinquished by: _____ Date: _____</p> <p>Relinquished by: Marshal Toffer Date/Time: 7/31/2024 at 17:45 Company: TRC</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> No</p> <p>Custody Seal No. _____</p>										



Loc 320  
**114250**

Tracking # 7407 9449 2692

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

<p>Therm. ID: <u>L10</u> Corr Factor: (+/-) _____ °C</p> <p>Ice _____ Wet _____ Gel _____ Other _____</p> <p>Cooler Custody Seal: <u>2477619</u></p> <p>Cooler ID _____</p> <p>Temp Observed <u>1.9</u> °C Corrected: <u>1.9</u> °C From Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/></p> <table border="0"><tr><td><b>Opening/Processing The Shipment</b></td><td><b>Yes</b></td><td><b>No</b></td><td><b>NA</b></td></tr><tr><td>Cooler compromised/tampered with?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Cooler Temperature is acceptable?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Frozen samples show signs of thaw?</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Initials: <u>JF</u></td><td colspan="3">Date: <u>8/1/24</u></td></tr></table> <table border="0"><tr><td><b>Unpacking/Labeling The Samples</b></td><td><b>Yes</b></td><td><b>No</b></td><td><b>NA</b></td></tr><tr><td>Containers are not broken or leaking?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Samples compromised/tampered with?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>COC is complete w/o discrepancies</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Sample custody seal?</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Sample containers have legible labels?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Sample date/times are provided?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Appropriate containers are used?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Sample bottles are completely filled?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Sample preservatives verified?</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Is the Field Sampler's name on COC?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Samples w/o discrepancies?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Zero headspace?*</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Alkalinity has no headspace?</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Perchlorate has headspace? (Methods 314, 331, 6850)</td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>Multiphasic samples are not present?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table> <p><small>*Containers requiring zero headspace have no headspace, or bubble &lt; 6 mm (1/4")</small></p> <p>Initials <u>JF</u> Date <u>8/1/24</u></p>	<b>Opening/Processing The Shipment</b>	<b>Yes</b>	<b>No</b>	<b>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>JF</u>	Date: <u>8/1/24</u>			<b>Unpacking/Labeling The Samples</b>	<b>Yes</b>	<b>No</b>	<b>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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is the Field Sampler's name on COC?	<input 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? (Methods 314, 331, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____</p> <p>Trizma Lot #(s) _____ _____ _____</p> <p>Ammonium Acetate Lot #(s) _____ _____ _____</p> <table border="0"><tr><td><b>Login Completion</b></td><td><b>Yes</b></td><td><b>No</b></td><td><b>NA</b></td></tr><tr><td>Receipt Temperature on COC?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>NCM Filed?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Samples received within hold time?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>Log Release checked in TALS?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table> <p>Initials <u>JF</u> Date <u>8/1/24</u></p>	<b>Login Completion</b>	<b>Yes</b>	<b>No</b>	<b>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"/>
<b>Opening/Processing The Shipment</b>	<b>Yes</b>	<b>No</b>	<b>NA</b>																																																																																																						
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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"/>																																																																																																						
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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"/>																																																																																																						





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Job 114250

Tracking # 7407 9419 2767

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>C10</u> Corr. Factor: (+/-) _____ °C	Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
Ice <input type="checkbox"/> Wet <input type="checkbox"/> Gel <input type="checkbox"/> Other <input type="checkbox"/>		
Cooler Custody Seal: <u>2477612 2477613</u>		
Cooler ID: _____		
Temp Observed: <u>37</u> °C    Corrected: <u>3.7</u> °C From Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/>		
<b>Opening/Processing The Shipment</b> <b>Yes</b> <b>No</b> <b>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>JF</u> Date: <u>8/1/24</u>		
<b>Unpacking/Labeling The Samples</b> <b>Yes</b> <b>No</b> <b>NA</b>	Trizma Lot #(s) _____ _____ _____  Ammonium Acetate Lot #(s): _____ _____ _____	
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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>		
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>Login Completion</b> <b>Yes</b> <b>No</b> <b>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"/>	
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>8/1/24</u>		Initials: <u>JF</u> Date: <u>8/1/24</u>



Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Job 114250

Tracking # 7407 9449 278

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>L10</u> Corr Factor (+/-) _____ °C	Notes: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Ice _____ Wet _____ Gel _____ Other _____	
Cooler Custody Seal: <u>2477616</u>	
Cooler ID: _____	
Temp Observed: <u>09</u> °C    Corrected <u>09</u> °C From Temp Blank <input type="checkbox"/> Sample <input type="checkbox"/>	
<b>Opening/Processing The Shipment</b>	
<b>Yes    No    NA</b>	
Cooler compromised/tampered with? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Cooler Temperature is acceptable? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Initials: _____    Date: _____	
<b>Unpacking/Labeling The Samples</b>	Trizma Lot #(s) _____ _____ _____  Ammonium Acetate Lot #(s) _____ _____ _____
<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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Sample preservatives verified? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Is the Field Sampler's name on COC? <input 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? (Methods 314, 331, 6850) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
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>8/1/24</u>	Initials <u>JF</u> Date <u>8/1/24</u>
<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"/>	

# Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-114250-1

**Login Number: 114250**

**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	

