



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeff Ramey  
TRC Environmental Corporation  
6737 W. Washington St., Suite 2100  
West Allis, Wisconsin 53214

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## JOB DESCRIPTION

451482 RockGen

## JOB NUMBER

320-110670-1

# Eurofins Sacramento

## Job Notes

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

## Authorization



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Authorized for release by  
Micah Smith, Project Manager II  
[Micah.Smith@et.eurofinsus.com](mailto:Micah.Smith@et.eurofinsus.com)  
(916)374-4302



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# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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: 320-110670-1

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## Job Narrative 320-110670-1

### Receipt

The samples were received on 3/21/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.0° C, 3.3° C, 3.6° C and 4.2° C.

### Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Sample #56-BFB-01-202403 (320-110670-56). The bottle was received without a client label --- only a lab-provided label that reads 'Field Reagent Blank (FRB)'.

### 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: DUP-05-202403 (320-110670-52).

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-750738 recovered above the upper control limit for NETFOSAA. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MP-04-(115-152)-202403 (320-110670-27), MP-04-(080-112)-202403 (320-110670-28), MP-04-(048-077)-202403 (320-110670-29), MP-05-(SWL-065)-202403 (320-110670-30), MP-06-(148-178)-202403 (320-110670-31), MP-06-(113-145)-202403 (320-110670-32), MP-06-(73-110)-202403 (320-110670-33), MP-08-(48-77)-202403 (320-110670-47), DUP-01-202403 (320-110670-48), DUP-02-202403 (320-110670-49), DUP-03-202403 (320-110670-50) and (CCV 320-750738/13).

Method 537 (modified): The transition mass ratio was outside of the established ratio limit for Perfluorododecanesulfonic acid (PFDoS) in (CCVL 320-751192/2) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(277-293)-202403 (320-110670-1), MP-01-(155-195)-202403 (320-110670-5) and MP-01-(051-088)-202403 (320-110670-8). These samples were re-analyzed with concurring IDA results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MP-01-(155-195)-202403 (320-110670-5), MP-01-(121-152)-202403 (320-110670-6), MP-01-(091-118)-202403 (320-110670-7), MP-01-(051-088)-202403 (320-110670-8), MP-02-(198-220)-202403 (320-110670-12), MP-02-(153-195)-202403 (320-110670-13), MP-04-(155-192)-202403 (320-110670-26), MP-04-(115-152)-202403 (320-110670-27), MP-04-(080-112)-202403 (320-110670-28), MP-07-(115-152)-202403 (320-110670-39), DUP-02-202403 (320-110670-49), DUP-06-202403 (320-110670-53) and DUP-07-202403 (320-110670-54) 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): The method blank for preparation batch 320-749831 and analytical batch 320-750731 contained Perfluorobutanesulfonic acid (PFBS) and Perfluorooctanesulfonic acid (PFOS) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction of samples was not performed.

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 320-749852 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-01-(253-274)-202403 (320-110670-2), MP-01-(223-250)-202403 (320-110670-3), MP-01-(198-220)-202403 (320-110670-4), DUP-04-202403 (320-110670-51), DUP-05-202403 (320-110670-52) and DUP-08-202403 (320-110670-55).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-749831.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-749833.

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# Case Narrative

Client: TRC Environmental Corporation  
Project: 451482 RockGen

Job ID: 320-110670-1

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## Job ID: 320-110670-1 (Continued)

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Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-749852.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-753142.

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: 320-110670-1

## Client Sample ID: MP-01-(277-293)-202403

## Lab Sample ID: 320-110670-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.3	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.76	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.35	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.7		4.9	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	5.1		2.0	0.45	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(253-274)-202403

## Lab Sample ID: 320-110670-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	6.4		6.2	3.1	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.0	J	2.5	0.57	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(223-250)-202403

## Lab Sample ID: 320-110670-3

No Detections.

## Client Sample ID: MP-01-(198-220)-202403

## Lab Sample ID: 320-110670-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	8.4		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	6.2		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.5		2.0	0.84	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.49	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	61		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.0		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-01-(155-195)-202403

## Lab Sample ID: 320-110670-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	440		6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	62		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	11		2.4	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.76	J	2.4	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	7.7		2.4	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		2.4	0.65	ng/L	1		537 (modified)	Total/NA
4:2 FTS	97		2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2100		120	29	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1600		120	35	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	550		120	15	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1100		120	51	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	7400		300	150	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1100		120	27	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MP-01-(121-152)-202403

## Lab Sample ID: 320-110670-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	66		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	13		2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.82	J	2.2	0.33	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: 320-110670-1

## Client Sample ID: MP-01-(121-152)-202403 (Continued)

## Lab Sample ID: 320-110670-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	7.4		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		2.2	0.60	ng/L	1		537 (modified)	Total/NA
4:2 FTS	100		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	440		280	130	ng/L	50		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	660		110	14	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1000		110	47	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1300		110	25	ng/L	50		537 (modified)	Total/NA
6:2 FTS - RADL	8400		280	140	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MP-01-(091-118)-202403

## Lab Sample ID: 320-110670-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	95		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	16		2.4	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.84	J B	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.76	J	2.4	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.4		2.4	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	22	B	2.4	0.65	ng/L	1		537 (modified)	Total/NA
4:2 FTS	75		2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	540		300	140	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	3300		120	29	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	2000		120	35	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	860		120	15	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1300		120	51	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	5900		300	150	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1400		120	28	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MP-01-(051-088)-202403

## Lab Sample ID: 320-110670-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	82		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	26		2.3	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.75	J B	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.47	J	2.3	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.2		2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	21	B	2.3	0.63	ng/L	1		537 (modified)	Total/NA
4:2 FTS	85		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	560		290	140	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2800		120	29	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	2100		120	34	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	1000		120	15	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1700		120	49	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	7000		290	150	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	3000		120	27	ng/L	50		537 (modified)	Total/NA

## Client Sample ID: MP-02-(279-300)-202403

## Lab Sample ID: 320-110670-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.33	J	2.1	0.26	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: 320-110670-1

## Client Sample ID: MP-02-(279-300)-202403 (Continued)

Lab Sample ID: 320-110670-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA) - RA	0.72	J	2.1	0.51	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-02-(253-276)-202403

Lab Sample ID: 320-110670-10

No Detections.

## Client Sample ID: MP-02-(223-250)-202403

Lab Sample ID: 320-110670-11

No Detections.

## Client Sample ID: MP-02-(198-220)-202403

Lab Sample ID: 320-110670-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	40		5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	200		2.3	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	120		2.3	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	41		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	43		2.3	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.8		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.38	J B	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.73	J	2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0	J B	2.3	0.62	ng/L	1		537 (modified)	Total/NA
4:2 FTS	6.4		2.3	0.28	ng/L	1		537 (modified)	Total/NA
8:2 FTS	24		2.3	0.53	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	670		29	14	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: MP-02-(153-195)-202403

Lab Sample ID: 320-110670-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	84		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	320		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	190		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	100		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.0		2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.49	J B	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.4	B	2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.6		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	280		2.0	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1400		51	25	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: MP-03-(280-300)-202403

Lab Sample ID: 320-110670-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	4.8		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.5		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.6		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.5		2.0	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0	J B	2.0	0.53	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(245-277)-202403

Lab Sample ID: 320-110670-15

No Detections.

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: 320-110670-1

## Client Sample ID: MP-03-(220-242)-202403

## Lab Sample ID: 320-110670-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.30	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(190-217)-202403

## Lab Sample ID: 320-110670-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.2		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.62	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	7.5		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS - RA	0.46	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(160-187)-202403

## Lab Sample ID: 320-110670-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	66		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	37		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.7		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.90	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.43	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	78		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.6		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(120-157)-202403

## Lab Sample ID: 320-110670-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	24		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	33		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	17		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	18		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	12		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.90	J	2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.85	J B	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.8	B	2.2	0.59	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(083-117)-202403

## Lab Sample ID: 320-110670-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	31		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	49		2.3	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	24		2.3	0.65	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	30		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		2.3	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.2	J	2.3	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J B	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.8	B	2.3	0.61	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.87	J	2.3	0.52	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-03-(046-080)-202403

## Lab Sample ID: 320-110670-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	68		6.4	3.1	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: 320-110670-1

## Client Sample ID: MP-03-(046-080)-202403 (Continued)

## Lab Sample ID: 320-110670-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	210		2.5	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	93		2.5	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	93		2.5	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.8		2.5	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.72	J B	2.5	0.25	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-04-(275-291)-202403

## Lab Sample ID: 320-110670-22

No Detections.

## Client Sample ID: MP-04-(245-272)-202403

## Lab Sample ID: 320-110670-23

No Detections.

## Client Sample ID: MP-04-(220-242)-202403

## Lab Sample ID: 320-110670-24

No Detections.

## Client Sample ID: MP-04-(195-217)-202403

## Lab Sample ID: 320-110670-25

No Detections.

## Client Sample ID: MP-04-(155-192)-202403

## Lab Sample ID: 320-110670-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	37		6.1	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	160		2.4	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	110		2.4	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	35		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	44		2.4	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.8		2.4	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.82	J	2.4	0.69	ng/L	1		537 (modified)	Total/NA
4:2 FTS	6.5		2.4	0.29	ng/L	1		537 (modified)	Total/NA
8:2 FTS	36		2.4	0.56	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	810		30	15	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: MP-04-(115-152)-202403

## Lab Sample ID: 320-110670-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	200		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	200		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	290		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	17		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.5	J	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.88	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.6		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	51		2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1100		41	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	710		41	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4500		100	51	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	270		41	9.4	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: 320-110670-1

## Client Sample ID: MP-04-(080-112)-202403

## Lab Sample ID: 320-110670-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.4	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)	210		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	13		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.87	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	2.2	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.4		2.2	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	22		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	88		2.2	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	420		22	6.3	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	2000		54	27	ng/L	10		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RADL	840		22	5.3	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: MP-04-(048-077)-202403

## Lab Sample ID: 320-110670-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.5		6.7	3.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	10		2.7	0.66	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.6		2.7	0.78	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.3	J	2.7	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.79	J	2.7	0.27	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.87	J	2.7	0.62	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-05-(SWL-065)-202403

## Lab Sample ID: 320-110670-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		6.2	3.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	18		2.5	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	13		2.5	0.72	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		2.5	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.9		2.5	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.5	0.25	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-06-(148-178)-202403

## Lab Sample ID: 320-110670-31

No Detections.

## Client Sample ID: MP-06-(113-145)-202403

## Lab Sample ID: 320-110670-32

No Detections.

## Client Sample ID: MP-06-(73-110)-202403

## Lab Sample ID: 320-110670-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.68	J	2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.1	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-06-(36-70)-202403

## Lab Sample ID: 320-110670-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.4		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.3		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.5		2.2	0.63	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: 320-110670-1

## Client Sample ID: MP-06-(36-70)-202403 (Continued)

Lab Sample ID: 320-110670-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	3.7		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.0		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-06-(21-33)-202403

Lab Sample ID: 320-110670-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	120		5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	310		2.3	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	230		2.3	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	190		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	160		2.3	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.9		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(220-258)-202403

Lab Sample ID: 320-110670-36

No Detections.

## Client Sample ID: MP-07-(195-217)-202403

Lab Sample ID: 320-110670-37

No Detections.

## Client Sample ID: MP-07-(155-192)-202403

Lab Sample ID: 320-110670-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	30		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	120		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	82		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	24		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.3	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.1		2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	330		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	8.1		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(115-152)-202403

Lab Sample ID: 320-110670-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	62		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	240		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	50		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	52		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.9		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.34	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.2	0.62	ng/L	1		537 (modified)	Total/NA
4:2 FTS	11		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	21		2.2	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1100		27	14	ng/L	5		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: 320-110670-1

## Client Sample ID: MP-07-(80-112)-202403

## Lab Sample ID: 320-110670-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	3.1		2.3	0.23	ng/L	1		537 (modified)	Total/NA
NETFOSE	1.1	J	2.3	0.96	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-07-(48-77)-202403

## Lab Sample ID: 320-110670-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.98	J	2.5	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.83	J	2.5	0.72	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.7		2.5	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	3.7	J	6.2	3.1	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(220-246)-202403

## Lab Sample ID: 320-110670-42

No Detections.

## Client Sample ID: MP-08-(195-217)-202403

## Lab Sample ID: 320-110670-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.95	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(155-192)-202403

## Lab Sample ID: 320-110670-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.7	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.9	J	2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.68	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.34	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(115-152)-202403

## Lab Sample ID: 320-110670-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	8.0		2.1	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.2		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.73	J	2.1	0.26	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(80-112)-202403

## Lab Sample ID: 320-110670-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	23		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	76		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	41		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.4		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.8		2.2	0.26	ng/L	1		537 (modified)	Total/NA
6:2 FTS	13		5.4	2.7	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: MP-08-(48-77)-202403

## Lab Sample ID: 320-110670-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4	J	6.2	3.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.4		2.5	0.25	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-01-202403

## Lab Sample ID: 320-110670-48

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: 320-110670-1

## Client Sample ID: DUP-02-202403

## Lab Sample ID: 320-110670-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	28		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	130		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	88		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	23		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.2	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.29	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.70	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.8		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	7.3		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	460		25	12	ng/L	5		537 (modified)	Total/NA

## Client Sample ID: DUP-03-202403

## Lab Sample ID: 320-110670-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		6.4	3.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	18		2.6	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	13		2.6	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		2.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.1		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.84	J	2.6	0.26	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-04-202403

## Lab Sample ID: 320-110670-51

No Detections.

## Client Sample ID: DUP-05-202403

## Lab Sample ID: 320-110670-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	140		5.7	2.7	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)	280		2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	210		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	180		2.3	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.2		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J I	2.3	0.23	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-06-202403

## Lab Sample ID: 320-110670-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	16		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	76		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	42		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.2		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.0	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.38	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	71		5.0	2.5	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: DUP-07-202403

## Lab Sample ID: 320-110670-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	81		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	340		2.0	0.50	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: 320-110670-1

## Client Sample ID: DUP-07-202403 (Continued)

Lab Sample ID: 320-110670-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	200		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	100		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	100		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.6	J	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.56	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.0		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.7		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	250		2.0	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1500		51	25	ng/L	10		537 (modified)	Total/NA

## Client Sample ID: DUP-08-202403

Lab Sample ID: 320-110670-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	8.3		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	6.5		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.4		2.0	0.85	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.62	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	65		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.9		2.0	0.46	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: FB-01-202403

Lab Sample ID: 320-110670-56

No Detections.

## Client Sample ID: EB-01-202403

Lab Sample ID: 320-110670-57

No Detections.

## Client Sample ID: EB-02-202403

Lab Sample ID: 320-110670-58

No Detections.

## Client Sample ID: EB-03-202403

Lab Sample ID: 320-110670-59

No Detections.

## Client Sample ID: EB-04-202403

Lab Sample ID: 320-110670-60

No Detections.

## Client Sample ID: EB-05-202403

Lab Sample ID: 320-110670-61

No Detections.

## Client Sample ID: EB-06-202403

Lab Sample ID: 320-110670-62

No Detections.

## Client Sample ID: EB-07-202403

Lab Sample ID: 320-110670-63

No Detections.

## Client Sample ID: EB-08-202403

Lab Sample ID: 320-110670-64

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: 320-110670-1

**Client Sample ID: MP-01-(277-293)-202403**

**Lab Sample ID: 320-110670-1**

Date Collected: 03/20/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 12:10	03/27/24 17:31	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>1.3</b>	<b>J</b>	2.0	0.48	ng/L		03/25/24 12:10	03/27/24 17:31	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.76</b>	<b>J</b>	2.0	0.57	ng/L		03/25/24 12:10	03/27/24 17:31	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.35</b>	<b>J</b>	2.0	0.25	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 12:10	03/27/24 17:31	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 12:10	03/27/24 17:31	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 12:10	03/27/24 17:31	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 12:10	03/27/24 17:31	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 12:10	03/27/24 17:31	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 12:10	03/27/24 17:31	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/25/24 12:10	03/27/24 17:31	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 17:31	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 17:31	1
<b>6:2 FTS</b>	<b>5.7</b>		4.9	2.5	ng/L		03/25/24 12:10	03/27/24 17:31	1
<b>8:2 FTS</b>	<b>5.1</b>		2.0	0.45	ng/L		03/25/24 12:10	03/27/24 17:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/25/24 12:10	03/27/24 17:31	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/25/24 12:10	03/27/24 17:31	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 17:31	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 17:31	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	98		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C5 PFPeA	97		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C2 PFHxA	97		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C4 PFHpA	108		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C4 PFOA	99		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C5 PFNA	109		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C2 PFDA	106		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C2 PFUnA	99		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C2 PFDoA	105		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C2 PFTeDA	105		25 - 150				03/25/24 12:10	03/27/24 17:31	1
13C3 PFBS	95		25 - 150				03/25/24 12:10	03/27/24 17:31	1
18O2 PFHxS	100		25 - 150				03/25/24 12:10	03/27/24 17:31	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(277-293)-202403**

**Lab Sample ID: 320-110670-1**

**Date Collected: 03/20/24 11:40**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	102		25 - 150	03/25/24 12:10	03/27/24 17:31	1
13C8 FOSA	109		10 - 150	03/25/24 12:10	03/27/24 17:31	1
d3-NMeFOSAA	79		25 - 150	03/25/24 12:10	03/27/24 17:31	1
d5-NEtFOSAA	101		25 - 150	03/25/24 12:10	03/27/24 17:31	1
d-N-MeFOSA-M	74		10 - 150	03/25/24 12:10	03/27/24 17:31	1
d-N-EtFOSA-M	91		10 - 150	03/25/24 12:10	03/27/24 17:31	1
d7-N-MeFOSE-M	78		10 - 150	03/25/24 12:10	03/27/24 17:31	1
d9-N-EtFOSE-M	107		10 - 150	03/25/24 12:10	03/27/24 17:31	1
M2-4:2 FTS	106		25 - 150	03/25/24 12:10	03/27/24 17:31	1
M2-6:2 FTS	102		25 - 150	03/25/24 12:10	03/27/24 17:31	1
M2-8:2 FTS	158	*5+	25 - 150	03/25/24 12:10	03/27/24 17:31	1
13C3 HFPO-DA	105		25 - 150	03/25/24 12:10	03/27/24 17:31	1

**Client Sample ID: MP-01-(253-274)-202403**

**Lab Sample ID: 320-110670-2**

**Date Collected: 03/20/24 11:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

**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		03/25/24 12:10	03/27/24 17:41	1
Perfluoropentanoic acid (PFPeA)	<0.61		2.5	0.61	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorohexanoic acid (PFHxA)	<0.72		2.5	0.72	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorooctanoic acid (PFOA)	<1.1		2.5	1.1	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorononanoic acid (PFNA)	<0.34		2.5	0.34	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorodecanoic acid (PFDA)	<0.39		2.5	0.39	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorododecanoic acid (PFDoA)	<0.69		2.5	0.69	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.91		2.5	0.91	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.25		2.5	0.25	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.71		2.5	0.71	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.40		2.5	0.40	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 12:10	03/27/24 17:41	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 12:10	03/27/24 17:41	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 12:10	03/27/24 17:41	1
NMeFOSA	<0.54		2.5	0.54	ng/L		03/25/24 12:10	03/27/24 17:41	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		03/25/24 12:10	03/27/24 17:41	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		03/25/24 12:10	03/27/24 17:41	1
NMeFOSE	<1.7		5.0	1.7	ng/L		03/25/24 12:10	03/27/24 17:41	1
NEtFOSE	<1.1		2.5	1.1	ng/L		03/25/24 12:10	03/27/24 17:41	1
4:2 FTS	<0.30		2.5	0.30	ng/L		03/25/24 12:10	03/27/24 17:41	1
<b>6:2 FTS</b>	<b>6.4</b>		6.2	3.1	ng/L		03/25/24 12:10	03/27/24 17:41	1
<b>8:2 FTS</b>	<b>1.0 J</b>		2.5	0.57	ng/L		03/25/24 12:10	03/27/24 17:41	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(253-274)-202403**

**Lab Sample ID: 320-110670-2**

**Date Collected: 03/20/24 11:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

**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)	<0.50		2.5	0.50	ng/L		03/25/24 12:10	03/27/24 17:41	1
HFPO-DA (GenX)	<1.9		5.0	1.9	ng/L		03/25/24 12:10	03/27/24 17:41	1
9CI-PF3ONS	<0.30		2.5	0.30	ng/L		03/25/24 12:10	03/27/24 17:41	1
11CI-PF3OUdS	<0.40		2.5	0.40	ng/L		03/25/24 12:10	03/27/24 17:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C5 PFPeA	92		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C2 PFHxA	89		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C4 PFHpA	94		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C4 PFOA	94		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C5 PFNA	101		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C2 PFDA	102		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C2 PFUnA	81		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C2 PFDoA	93		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C2 PFTeDA	89		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C3 PFBS	90		25 - 150				03/25/24 12:10	03/27/24 17:41	1
18O2 PFHxS	93		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C4 PFOS	98		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C8 FOSA	99		10 - 150				03/25/24 12:10	03/27/24 17:41	1
d3-NMeFOSAA	84		25 - 150				03/25/24 12:10	03/27/24 17:41	1
d5-NEtFOSAA	93		25 - 150				03/25/24 12:10	03/27/24 17:41	1
d-N-MeFOSA-M	68		10 - 150				03/25/24 12:10	03/27/24 17:41	1
d-N-EtFOSA-M	69		10 - 150				03/25/24 12:10	03/27/24 17:41	1
d7-N-MeFOSE-M	98		10 - 150				03/25/24 12:10	03/27/24 17:41	1
d9-N-EtFOSE-M	95		10 - 150				03/25/24 12:10	03/27/24 17:41	1
M2-4:2 FTS	105		25 - 150				03/25/24 12:10	03/27/24 17:41	1
M2-6:2 FTS	98		25 - 150				03/25/24 12:10	03/27/24 17:41	1
M2-8:2 FTS	111		25 - 150				03/25/24 12:10	03/27/24 17:41	1
13C3 HFPO-DA	96		25 - 150				03/25/24 12:10	03/27/24 17:41	1

**Client Sample ID: MP-01-(223-250)-202403**

**Lab Sample ID: 320-110670-3**

**Date Collected: 03/20/24 12:05**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.8	2.8	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorooctanoic acid (PFOA)	<0.99		2.3	0.99	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		03/25/24 12:10	03/27/24 17:51	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(223-250)-202403**

**Lab Sample ID: 320-110670-3**

Date Collected: 03/20/24 12:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		03/25/24 12:10	03/27/24 17:51	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		03/25/24 12:10	03/27/24 17:51	1
NEtFOSA	<1.0		2.3	1.0	ng/L		03/25/24 12:10	03/27/24 17:51	1
NMeFOSA	<0.50		2.3	0.50	ng/L		03/25/24 12:10	03/27/24 17:51	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		03/25/24 12:10	03/27/24 17:51	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		03/25/24 12:10	03/27/24 17:51	1
NMeFOSE	<1.6		4.6	1.6	ng/L		03/25/24 12:10	03/27/24 17:51	1
NEtFOSE	<0.99		2.3	0.99	ng/L		03/25/24 12:10	03/27/24 17:51	1
4:2 FTS	<0.28		2.3	0.28	ng/L		03/25/24 12:10	03/27/24 17:51	1
6:2 FTS	<2.9		5.8	2.9	ng/L		03/25/24 12:10	03/27/24 17:51	1
8:2 FTS	<0.53		2.3	0.53	ng/L		03/25/24 12:10	03/27/24 17:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		03/25/24 12:10	03/27/24 17:51	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		03/25/24 12:10	03/27/24 17:51	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		03/25/24 12:10	03/27/24 17:51	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		03/25/24 12:10	03/27/24 17:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C5 PFPeA	102		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C2 PFHxA	92		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C4 PFHpA	99		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C4 PFOA	99		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C5 PFNA	98		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C2 PFDA	103		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C2 PFUnA	99		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C2 PFDoA	96		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C2 PFTeDA	105		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C3 PFBS	92		25 - 150	03/25/24 12:10	03/27/24 17:51	1
18O2 PFHxS	104		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C4 PFOS	99		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C8 FOSA	105		10 - 150	03/25/24 12:10	03/27/24 17:51	1
d3-NMeFOSAA	88		25 - 150	03/25/24 12:10	03/27/24 17:51	1
d5-NEtFOSAA	102		25 - 150	03/25/24 12:10	03/27/24 17:51	1
d-N-MeFOSA-M	87		10 - 150	03/25/24 12:10	03/27/24 17:51	1
d-N-EtFOSA-M	87		10 - 150	03/25/24 12:10	03/27/24 17:51	1
d7-N-MeFOSE-M	104		10 - 150	03/25/24 12:10	03/27/24 17:51	1
d9-N-EtFOSE-M	97		10 - 150	03/25/24 12:10	03/27/24 17:51	1
M2-4:2 FTS	102		25 - 150	03/25/24 12:10	03/27/24 17:51	1
M2-6:2 FTS	96		25 - 150	03/25/24 12:10	03/27/24 17:51	1
M2-8:2 FTS	113		25 - 150	03/25/24 12:10	03/27/24 17:51	1
13C3 HFPO-DA	98		25 - 150	03/25/24 12:10	03/27/24 17:51	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(198-220)-202403**

**Lab Sample ID: 320-110670-4**

Date Collected: 03/20/24 12:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>8.4</b>		2.0	0.49	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>6.2</b>		2.0	0.58	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>2.2</b>		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>4.5</b>		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 12:10	03/27/24 18:01	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 12:10	03/27/24 18:01	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 12:10	03/27/24 18:01	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 12:10	03/27/24 18:01	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 12:10	03/27/24 18:01	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 12:10	03/27/24 18:01	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 12:10	03/27/24 18:01	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>4:2 FTS</b>	<b>0.49 J</b>		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>6:2 FTS</b>	<b>61</b>		5.0	2.5	ng/L		03/25/24 12:10	03/27/24 18:01	1
<b>8:2 FTS</b>	<b>4.0</b>		2.0	0.46	ng/L		03/25/24 12:10	03/27/24 18:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 12:10	03/27/24 18:01	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 12:10	03/27/24 18:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 18:01	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 18:01	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	96		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C5 PFPeA	89		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C2 PFHxA	86		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C4 PFHpA	97		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C4 PFOA	96		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C5 PFNA	91		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C2 PFDA	98		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C2 PFUnA	89		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C2 PFDoA	94		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C2 PFTeDA	91		25 - 150				03/25/24 12:10	03/27/24 18:01	1
13C3 PFBS	94		25 - 150				03/25/24 12:10	03/27/24 18:01	1
18O2 PFHxS	96		25 - 150				03/25/24 12:10	03/27/24 18:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(198-220)-202403**

**Lab Sample ID: 320-110670-4**

**Date Collected: 03/20/24 12:25**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	92		25 - 150	03/25/24 12:10	03/27/24 18:01	1
13C8 FOSA	105		10 - 150	03/25/24 12:10	03/27/24 18:01	1
d3-NMeFOSAA	91		25 - 150	03/25/24 12:10	03/27/24 18:01	1
d5-NEtFOSAA	90		25 - 150	03/25/24 12:10	03/27/24 18:01	1
d-N-MeFOSA-M	84		10 - 150	03/25/24 12:10	03/27/24 18:01	1
d-N-EtFOSA-M	79		10 - 150	03/25/24 12:10	03/27/24 18:01	1
d7-N-MeFOSE-M	97		10 - 150	03/25/24 12:10	03/27/24 18:01	1
d9-N-EtFOSE-M	99		10 - 150	03/25/24 12:10	03/27/24 18:01	1
M2-4:2 FTS	97		25 - 150	03/25/24 12:10	03/27/24 18:01	1
M2-6:2 FTS	116		25 - 150	03/25/24 12:10	03/27/24 18:01	1
M2-8:2 FTS	120		25 - 150	03/25/24 12:10	03/27/24 18:01	1
13C3 HFPO-DA	94		25 - 150	03/25/24 12:10	03/27/24 18:01	1

**Client Sample ID: MP-01-(155-195)-202403**

**Lab Sample ID: 320-110670-5**

**Date Collected: 03/20/24 12:35**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

**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>
<b>Perfluorobutanoic acid (PFBA)</b>	<b>440</b>		6.0	2.9	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>62</b>		2.4	0.32	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>11</b>		2.4	0.37	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.87		2.4	0.87	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>1.1</b>	<b>J</b>	2.4	0.24	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluoropentanesulfonic acid (PFPeS)</b>	<b>0.76</b>	<b>J</b>	2.4	0.36	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>7.7</b>		2.4	0.68	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>19</b>		2.4	0.65	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		03/25/24 12:10	03/27/24 18:11	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		03/25/24 12:10	03/27/24 18:11	1
NEtFOSA	<1.0		2.4	1.0	ng/L		03/25/24 12:10	03/27/24 18:11	1
NMeFOSA	<0.51		2.4	0.51	ng/L		03/25/24 12:10	03/27/24 18:11	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		03/25/24 12:10	03/27/24 18:11	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		03/25/24 12:10	03/27/24 18:11	1
NMeFOSE	<1.7		4.8	1.7	ng/L		03/25/24 12:10	03/27/24 18:11	1
NEtFOSE	<1.0		2.4	1.0	ng/L		03/25/24 12:10	03/27/24 18:11	1
<b>4:2 FTS</b>	<b>97</b>		2.4	0.29	ng/L		03/25/24 12:10	03/27/24 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		03/25/24 12:10	03/27/24 18:11	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		03/25/24 12:10	03/27/24 18:11	1
9CI-PF3ONS	<0.29		2.4	0.29	ng/L		03/25/24 12:10	03/27/24 18:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(155-195)-202403**

**Lab Sample ID: 320-110670-5**

Date Collected: 03/20/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		03/25/24 12:10	03/27/24 18:11	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	123		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C5 PFNA	126		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C2 PFDA	131		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C2 PFUnA	124		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C2 PFDoA	139		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C2 PFTeDA	121		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C3 PFBS	125		25 - 150				03/25/24 12:10	03/27/24 18:11	1
18O2 PFHxS	130		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C4 PFOS	125		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C8 FOSA	138		10 - 150				03/25/24 12:10	03/27/24 18:11	1
d3-NMeFOSAA	128		25 - 150				03/25/24 12:10	03/27/24 18:11	1
d5-NEtFOSAA	117		25 - 150				03/25/24 12:10	03/27/24 18:11	1
d-N-MeFOSA-M	119		10 - 150				03/25/24 12:10	03/27/24 18:11	1
d-N-EtFOSA-M	122		10 - 150				03/25/24 12:10	03/27/24 18:11	1
d7-N-MeFOSE-M	135		10 - 150				03/25/24 12:10	03/27/24 18:11	1
d9-N-EtFOSE-M	133		10 - 150				03/25/24 12:10	03/27/24 18:11	1
M2-4:2 FTS	124		25 - 150				03/25/24 12:10	03/27/24 18:11	1
13C3 HFPO-DA	129		25 - 150				03/25/24 12:10	03/27/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	2100		120	29	ng/L		03/25/24 12:10	03/29/24 21:11	50
Perfluorohexanoic acid (PFHxA)	1600		120	35	ng/L		03/25/24 12:10	03/29/24 21:11	50
Perfluoroheptanoic acid (PFHpA)	550		120	15	ng/L		03/25/24 12:10	03/29/24 21:11	50
Perfluorooctanoic acid (PFOA)	1100		120	51	ng/L		03/25/24 12:10	03/29/24 21:11	50
6:2 FTS	7400		300	150	ng/L		03/25/24 12:10	03/29/24 21:11	50
8:2 FTS	1100		120	27	ng/L		03/25/24 12:10	03/29/24 21:11	50
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	102		25 - 150				03/25/24 12:10	03/29/24 21:11	50
13C2 PFHxA	101		25 - 150				03/25/24 12:10	03/29/24 21:11	50
13C4 PFHpA	105		25 - 150				03/25/24 12:10	03/29/24 21:11	50
13C4 PFOA	93		25 - 150				03/25/24 12:10	03/29/24 21:11	50
M2-6:2 FTS	184	*5+	25 - 150				03/25/24 12:10	03/29/24 21:11	50
M2-8:2 FTS	134		25 - 150				03/25/24 12:10	03/29/24 21:11	50

**Client Sample ID: MP-01-(121-152)-202403**

**Lab Sample ID: 320-110670-6**

Date Collected: 03/20/24 12:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	66		2.2	0.30	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorodecanoic acid (PFDA)	13		2.2	0.34	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		03/25/24 12:10	03/27/24 18:21	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(121-152)-202403**

**Lab Sample ID: 320-110670-6**

Date Collected: 03/20/24 12:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluoropentanesulfonic acid (PFPeS)	0.82	J	2.2	0.33	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorohexanesulfonic acid (PFHxS)	7.4		2.2	0.63	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorooctanesulfonic acid (PFOS)	19		2.2	0.60	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		03/25/24 12:10	03/27/24 18:21	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		03/25/24 12:10	03/27/24 18:21	1
NEtFOSA	<0.96		2.2	0.96	ng/L		03/25/24 12:10	03/27/24 18:21	1
NMeFOSA	<0.48		2.2	0.48	ng/L		03/25/24 12:10	03/27/24 18:21	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		03/25/24 12:10	03/27/24 18:21	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		03/25/24 12:10	03/27/24 18:21	1
NMeFOSE	<1.5		4.4	1.5	ng/L		03/25/24 12:10	03/27/24 18:21	1
NEtFOSE	<0.94		2.2	0.94	ng/L		03/25/24 12:10	03/27/24 18:21	1
<b>4:2 FTS</b>	<b>100</b>		2.2	0.27	ng/L		03/25/24 12:10	03/27/24 18:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		03/25/24 12:10	03/27/24 18:21	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		03/25/24 12:10	03/27/24 18:21	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		03/25/24 12:10	03/27/24 18:21	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		03/25/24 12:10	03/27/24 18:21	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C5 PFNA	125		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C2 PFDA	127		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C2 PFUnA	115		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C2 PFDoA	129		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C2 PFTeDA	130		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C3 PFBS	121		25 - 150				03/25/24 12:10	03/27/24 18:21	1
18O2 PFHxS	130		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C4 PFOS	127		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C8 FOSA	133		10 - 150				03/25/24 12:10	03/27/24 18:21	1
d3-NMeFOSAA	113		25 - 150				03/25/24 12:10	03/27/24 18:21	1
d5-NEtFOSAA	131		25 - 150				03/25/24 12:10	03/27/24 18:21	1
d-N-MeFOSA-M	104		10 - 150				03/25/24 12:10	03/27/24 18:21	1
d-N-EtFOSA-M	123		10 - 150				03/25/24 12:10	03/27/24 18:21	1
d7-N-MeFOSE-M	108		10 - 150				03/25/24 12:10	03/27/24 18:21	1
d9-N-EtFOSE-M	135		10 - 150				03/25/24 12:10	03/27/24 18:21	1
M2-4:2 FTS	122		25 - 150				03/25/24 12:10	03/27/24 18:21	1
13C3 HFPO-DA	120		25 - 150				03/25/24 12:10	03/27/24 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	440		280	130	ng/L		03/25/24 12:10	03/29/24 21:22	50
Perfluoropentanoic acid (PFPeA)	2400		110	27	ng/L		03/25/24 12:10	03/29/24 21:22	50
Perfluorohexanoic acid (PFHxA)	1500		110	32	ng/L		03/25/24 12:10	03/29/24 21:22	50

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(121-152)-202403**

**Lab Sample ID: 320-110670-6**

Date Collected: 03/20/24 12:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	660		110	14	ng/L		03/25/24 12:10	03/29/24 21:22	50
Perfluorooctanoic acid (PFOA)	1000		110	47	ng/L		03/25/24 12:10	03/29/24 21:22	50
8:2 FTS	1300		110	25	ng/L		03/25/24 12:10	03/29/24 21:22	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150				03/25/24 12:10	03/29/24 21:22	50
13C5 PFPeA	94		25 - 150				03/25/24 12:10	03/29/24 21:22	50
13C2 PFHxA	120		25 - 150				03/25/24 12:10	03/29/24 21:22	50
13C4 PFHpA	105		25 - 150				03/25/24 12:10	03/29/24 21:22	50
13C4 PFOA	110		25 - 150				03/25/24 12:10	03/29/24 21:22	50
M2-8:2 FTS	141		25 - 150				03/25/24 12:10	03/29/24 21:22	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	8400		280	140	ng/L		03/25/24 12:10	04/01/24 22:15	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	147		25 - 150				03/25/24 12:10	04/01/24 22:15	50

**Client Sample ID: MP-01-(091-118)-202403**

**Lab Sample ID: 320-110670-7**

Date Collected: 03/20/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	95		2.4	0.32	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorodecanoic acid (PFDA)	16		2.4	0.37	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.88		2.4	0.88	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorobutanesulfonic acid (PFBS)	0.84	J B	2.4	0.24	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluoropentanesulfonic acid (PFPeS)	0.76	J	2.4	0.36	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorohexanesulfonic acid (PFHxS)	5.4		2.4	0.68	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorooctanesulfonic acid (PFOS)	22	B	2.4	0.65	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/27/24 23:42	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/27/24 23:42	1
NEtFOSA	<1.0		2.4	1.0	ng/L		03/25/24 11:05	03/27/24 23:42	1
NMeFOSA	<0.52		2.4	0.52	ng/L		03/25/24 11:05	03/27/24 23:42	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		03/25/24 11:05	03/27/24 23:42	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		03/25/24 11:05	03/27/24 23:42	1
NMeFOSE	<1.7		4.8	1.7	ng/L		03/25/24 11:05	03/27/24 23:42	1
NEtFOSE	<1.0		2.4	1.0	ng/L		03/25/24 11:05	03/27/24 23:42	1
4:2 FTS	75		2.4	0.29	ng/L		03/25/24 11:05	03/27/24 23:42	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(091-118)-202403**

**Lab Sample ID: 320-110670-7**

Date Collected: 03/20/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

**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)	<0.48		2.4	0.48	ng/L		03/25/24 11:05	03/27/24 23:42	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		03/25/24 11:05	03/27/24 23:42	1
9CI-PF3ONS	<0.29		2.4	0.29	ng/L		03/25/24 11:05	03/27/24 23:42	1
11CI-PF3OUdS	<0.38		2.4	0.38	ng/L		03/25/24 11:05	03/27/24 23:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFNA	105		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C2 PFDA	105		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C2 PFUnA	98		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C2 PFDoA	91		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C2 PFTeDA	93		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C3 PFBS	94		25 - 150				03/25/24 11:05	03/27/24 23:42	1
18O2 PFHxS	102		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C4 PFOS	108		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C8 FOSA	110		10 - 150				03/25/24 11:05	03/27/24 23:42	1
d3-NMeFOSAA	99		25 - 150				03/25/24 11:05	03/27/24 23:42	1
d5-NEtFOSAA	97		25 - 150				03/25/24 11:05	03/27/24 23:42	1
d-N-MeFOSA-M	104		10 - 150				03/25/24 11:05	03/27/24 23:42	1
d-N-EtFOSA-M	99		10 - 150				03/25/24 11:05	03/27/24 23:42	1
d7-N-MeFOSE-M	100		10 - 150				03/25/24 11:05	03/27/24 23:42	1
d9-N-EtFOSE-M	103		10 - 150				03/25/24 11:05	03/27/24 23:42	1
M2-4:2 FTS	92		25 - 150				03/25/24 11:05	03/27/24 23:42	1
13C3 HFPO-DA	111		25 - 150				03/25/24 11:05	03/27/24 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	540		300	140	ng/L		03/25/24 11:05	03/29/24 22:42	50
Perfluoropentanoic acid (PFPeA)	3300		120	29	ng/L		03/25/24 11:05	03/29/24 22:42	50
Perfluorohexanoic acid (PFHxA)	2000		120	35	ng/L		03/25/24 11:05	03/29/24 22:42	50
Perfluoroheptanoic acid (PFHpA)	860		120	15	ng/L		03/25/24 11:05	03/29/24 22:42	50
Perfluorooctanoic acid (PFOA)	1300		120	51	ng/L		03/25/24 11:05	03/29/24 22:42	50
6:2 FTS	5900		300	150	ng/L		03/25/24 11:05	03/29/24 22:42	50
8:2 FTS	1400		120	28	ng/L		03/25/24 11:05	03/29/24 22:42	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				03/25/24 11:05	03/29/24 22:42	50
13C5 PFPeA	101		25 - 150				03/25/24 11:05	03/29/24 22:42	50
13C2 PFHxA	85		25 - 150				03/25/24 11:05	03/29/24 22:42	50
13C4 PFHpA	90		25 - 150				03/25/24 11:05	03/29/24 22:42	50
13C4 PFOA	95		25 - 150				03/25/24 11:05	03/29/24 22:42	50
M2-6:2 FTS	147		25 - 150				03/25/24 11:05	03/29/24 22:42	50
M2-8:2 FTS	112		25 - 150				03/25/24 11:05	03/29/24 22:42	50

**Client Sample ID: MP-01-(051-088)-202403**

**Lab Sample ID: 320-110670-8**

Date Collected: 03/20/24 13:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	82		2.3	0.31	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorodecanoic acid (PFDA)	26		2.3	0.36	ng/L		03/25/24 11:05	03/27/24 23:52	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(051-088)-202403**

**Lab Sample ID: 320-110670-8**

Date Collected: 03/20/24 13:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		03/25/24 11:05	03/27/24 23:52	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.75</b>	<b>J B</b>	2.3	0.23	ng/L		03/25/24 11:05	03/27/24 23:52	1
<b>Perfluoropentanesulfonic acid (PFPeS)</b>	<b>0.47</b>	<b>J</b>	2.3	0.35	ng/L		03/25/24 11:05	03/27/24 23:52	1
<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>5.2</b>		2.3	0.66	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		03/25/24 11:05	03/27/24 23:52	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>21</b>	<b>B</b>	2.3	0.63	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/27/24 23:52	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/27/24 23:52	1
NEtFOSA	<1.0		2.3	1.0	ng/L		03/25/24 11:05	03/27/24 23:52	1
NMeFOSA	<0.50		2.3	0.50	ng/L		03/25/24 11:05	03/27/24 23:52	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		03/25/24 11:05	03/27/24 23:52	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		03/25/24 11:05	03/27/24 23:52	1
NMeFOSE	<1.6		4.7	1.6	ng/L		03/25/24 11:05	03/27/24 23:52	1
NEtFOSE	<0.99		2.3	0.99	ng/L		03/25/24 11:05	03/27/24 23:52	1
<b>4:2 FTS</b>	<b>85</b>		2.3	0.28	ng/L		03/25/24 11:05	03/27/24 23:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.3	0.47	ng/L		03/25/24 11:05	03/27/24 23:52	1
HFPO-DA (GenX)	<1.7		4.7	1.7	ng/L		03/25/24 11:05	03/27/24 23:52	1
9CI-PF3ONS	<0.28		2.3	0.28	ng/L		03/25/24 11:05	03/27/24 23:52	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		03/25/24 11:05	03/27/24 23:52	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	112		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C2 PFDA	110		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C2 PFUnA	107		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C2 PFDoA	108		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C2 PFTeDA	107		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C3 PFBS	100		25 - 150				03/25/24 11:05	03/27/24 23:52	1
18O2 PFHxS	104		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C4 PFOS	105		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C8 FOSA	110		10 - 150				03/25/24 11:05	03/27/24 23:52	1
d3-NMeFOSAA	104		25 - 150				03/25/24 11:05	03/27/24 23:52	1
d5-NEtFOSAA	102		25 - 150				03/25/24 11:05	03/27/24 23:52	1
d-N-MeFOSA-M	96		10 - 150				03/25/24 11:05	03/27/24 23:52	1
d-N-EtFOSA-M	108		10 - 150				03/25/24 11:05	03/27/24 23:52	1
d7-N-MeFOSE-M	100		10 - 150				03/25/24 11:05	03/27/24 23:52	1
d9-N-EtFOSE-M	111		10 - 150				03/25/24 11:05	03/27/24 23:52	1
M2-4:2 FTS	89		25 - 150				03/25/24 11:05	03/27/24 23:52	1
13C3 HFPO-DA	100		25 - 150				03/25/24 11:05	03/27/24 23:52	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(051-088)-202403**

**Lab Sample ID: 320-110670-8**

Date Collected: 03/20/24 13:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	560		290	140	ng/L		03/25/24 11:05	03/29/24 22:52	50
Perfluoropentanoic acid (PFPeA)	2800		120	29	ng/L		03/25/24 11:05	03/29/24 22:52	50
Perfluorohexanoic acid (PFHxA)	2100		120	34	ng/L		03/25/24 11:05	03/29/24 22:52	50
Perfluoroheptanoic acid (PFHpA)	1000		120	15	ng/L		03/25/24 11:05	03/29/24 22:52	50
Perfluorooctanoic acid (PFOA)	1700		120	49	ng/L		03/25/24 11:05	03/29/24 22:52	50
6:2 FTS	7000		290	150	ng/L		03/25/24 11:05	03/29/24 22:52	50
8:2 FTS	3000		120	27	ng/L		03/25/24 11:05	03/29/24 22:52	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				03/25/24 11:05	03/29/24 22:52	50
13C5 PFPeA	89		25 - 150				03/25/24 11:05	03/29/24 22:52	50
13C2 PFHxA	85		25 - 150				03/25/24 11:05	03/29/24 22:52	50
13C4 PFHpA	93		25 - 150				03/25/24 11:05	03/29/24 22:52	50
13C4 PFOA	86		25 - 150				03/25/24 11:05	03/29/24 22:52	50
M2-6:2 FTS	171	*5+	25 - 150				03/25/24 11:05	03/29/24 22:52	50
M2-8:2 FTS	108		25 - 150				03/25/24 11:05	03/29/24 22:52	50

**Client Sample ID: MP-02-(279-300)-202403**

**Lab Sample ID: 320-110670-9**

Date Collected: 03/20/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluoroheptanoic acid (PFHpA)	0.33	J	2.1	0.26	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorooctanoic acid (PFOA)	<0.88		2.1	0.88	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.1	1.3	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorotetradecanoic acid (PFTTeA)	<0.76		2.1	0.76	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		03/25/24 11:05	03/28/24 00:02	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		03/25/24 11:05	03/28/24 00:02	1
NEtFOSA	<0.90		2.1	0.90	ng/L		03/25/24 11:05	03/28/24 00:02	1
NMeFOSA	<0.45		2.1	0.45	ng/L		03/25/24 11:05	03/28/24 00:02	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		03/25/24 11:05	03/28/24 00:02	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		03/25/24 11:05	03/28/24 00:02	1
NMeFOSE	<1.4		4.1	1.4	ng/L		03/25/24 11:05	03/28/24 00:02	1
NEtFOSE	<0.88		2.1	0.88	ng/L		03/25/24 11:05	03/28/24 00:02	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(279-300)-202403**

**Lab Sample ID: 320-110670-9**

Date Collected: 03/20/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.25		2.1	0.25	ng/L		03/25/24 11:05	03/28/24 00:02	1
6:2 FTS	<2.6		5.2	2.6	ng/L		03/25/24 11:05	03/28/24 00:02	1
8:2 FTS	<0.48		2.1	0.48	ng/L		03/25/24 11:05	03/28/24 00:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		03/25/24 11:05	03/28/24 00:02	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		03/25/24 11:05	03/28/24 00:02	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		03/25/24 11:05	03/28/24 00:02	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		03/25/24 11:05	03/28/24 00:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C2 PFHxA	102		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C4 PFHpA	101		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C4 PFOA	95		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C5 PFNA	127		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C2 PFDA	104		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C2 PFUnA	97		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C2 PFDoA	94		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C2 PFTeDA	101		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C3 PFBS	96		25 - 150	03/25/24 11:05	03/28/24 00:02	1
18O2 PFHxS	104		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C4 PFOS	105		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C8 FOSA	114		10 - 150	03/25/24 11:05	03/28/24 00:02	1
d3-NMeFOSAA	90		25 - 150	03/25/24 11:05	03/28/24 00:02	1
d5-NEtFOSAA	103		25 - 150	03/25/24 11:05	03/28/24 00:02	1
d-N-MeFOSA-M	87		10 - 150	03/25/24 11:05	03/28/24 00:02	1
d-N-EtFOSA-M	98		10 - 150	03/25/24 11:05	03/28/24 00:02	1
d7-N-MeFOSE-M	96		10 - 150	03/25/24 11:05	03/28/24 00:02	1
d9-N-EtFOSE-M	106		10 - 150	03/25/24 11:05	03/28/24 00:02	1
M2-4:2 FTS	106		25 - 150	03/25/24 11:05	03/28/24 00:02	1
M2-6:2 FTS	104		25 - 150	03/25/24 11:05	03/28/24 00:02	1
M2-8:2 FTS	140		25 - 150	03/25/24 11:05	03/28/24 00:02	1
13C3 HFPO-DA	95		25 - 150	03/25/24 11:05	03/28/24 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.72	J	2.1	0.51	ng/L		03/25/24 11:05	03/29/24 22:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	91		25 - 150	03/25/24 11:05	03/29/24 22:22	1

**Client Sample ID: MP-02-(253-276)-202403**

**Lab Sample ID: 320-110670-10**

Date Collected: 03/20/24 10:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 00:12	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(253-276)-202403**

**Lab Sample ID: 320-110670-10**

**Date Collected: 03/20/24 10:15**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 11:05	03/28/24 00:12	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 11:05	03/28/24 00:12	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 00:12	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 11:05	03/28/24 00:12	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 11:05	03/28/24 00:12	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 11:05	03/28/24 00:12	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:05	03/28/24 00:12	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 00:12	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 00:12	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/25/24 11:05	03/28/24 00:12	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/25/24 11:05	03/28/24 00:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:05	03/28/24 00:12	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:05	03/28/24 00:12	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 00:12	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 00:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C5 PFPeA	95		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C2 PFHxA	95		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C4 PFHpA	100		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C4 PFOA	95		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C5 PFNA	101		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C2 PFDA	102		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C2 PFUnA	91		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C2 PFDoA	91		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C2 PFTeDA	88		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C3 PFBS	96		25 - 150	03/25/24 11:05	03/28/24 00:12	1
18O2 PFHxS	97		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C4 PFOS	94		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C8 FOSA	106		10 - 150	03/25/24 11:05	03/28/24 00:12	1
d3-NMeFOSAA	87		25 - 150	03/25/24 11:05	03/28/24 00:12	1
d5-NEtFOSAA	101		25 - 150	03/25/24 11:05	03/28/24 00:12	1
d-N-MeFOSA-M	89		10 - 150	03/25/24 11:05	03/28/24 00:12	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(253-276)-202403**

**Lab Sample ID: 320-110670-10**

Date Collected: 03/20/24 10:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	96		10 - 150	03/25/24 11:05	03/28/24 00:12	1
d7-N-MeFOSE-M	91		10 - 150	03/25/24 11:05	03/28/24 00:12	1
d9-N-EtFOSE-M	99		10 - 150	03/25/24 11:05	03/28/24 00:12	1
M2-4:2 FTS	96		25 - 150	03/25/24 11:05	03/28/24 00:12	1
M2-6:2 FTS	102		25 - 150	03/25/24 11:05	03/28/24 00:12	1
M2-8:2 FTS	120		25 - 150	03/25/24 11:05	03/28/24 00:12	1
13C3 HFPO-DA	97		25 - 150	03/25/24 11:05	03/28/24 00:12	1

**Client Sample ID: MP-02-(223-250)-202403**

**Lab Sample ID: 320-110670-11**

Date Collected: 03/20/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.9		6.1	2.9	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluoropentanoic acid (PFPeA)	<0.60		2.4	0.60	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorohexanoic acid (PFHxA)	<0.70		2.4	0.70	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluoroheptanoic acid (PFHpA)	<0.30		2.4	0.30	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorononanoic acid (PFNA)	<0.33		2.4	0.33	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorodecanoic acid (PFDA)	<0.38		2.4	0.38	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorododecanoic acid (PFDoA)	<0.67		2.4	0.67	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.89		2.4	0.89	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.69		2.4	0.69	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.66		2.4	0.66	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/28/24 00:22	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/28/24 00:22	1
NEtFOSA	<1.1		2.4	1.1	ng/L		03/25/24 11:05	03/28/24 00:22	1
NMeFOSA	<0.52		2.4	0.52	ng/L		03/25/24 11:05	03/28/24 00:22	1
NMeFOSAA	<1.5		6.1	1.5	ng/L		03/25/24 11:05	03/28/24 00:22	1
NEtFOSAA	<1.6		6.1	1.6	ng/L		03/25/24 11:05	03/28/24 00:22	1
NMeFOSE	<1.7		4.9	1.7	ng/L		03/25/24 11:05	03/28/24 00:22	1
NEtFOSE	<1.0		2.4	1.0	ng/L		03/25/24 11:05	03/28/24 00:22	1
4:2 FTS	<0.29		2.4	0.29	ng/L		03/25/24 11:05	03/28/24 00:22	1
6:2 FTS	<3.0		6.1	3.0	ng/L		03/25/24 11:05	03/28/24 00:22	1
8:2 FTS	<0.56		2.4	0.56	ng/L		03/25/24 11:05	03/28/24 00:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.4	0.49	ng/L		03/25/24 11:05	03/28/24 00:22	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		03/25/24 11:05	03/28/24 00:22	1
9CI-PF3ONS	<0.29		2.4	0.29	ng/L		03/25/24 11:05	03/28/24 00:22	1
11CI-PF3OUdS	<0.39		2.4	0.39	ng/L		03/25/24 11:05	03/28/24 00:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(223-250)-202403**

**Lab Sample ID: 320-110670-11**

Date Collected: 03/20/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C5 PFPeA	96		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C2 PFHxA	97		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C4 PFHpA	98		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C4 PFOA	98		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C5 PFNA	96		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C2 PFDA	94		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C2 PFUnA	82		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C2 PFDoA	92		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C2 PFTeDA	90		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C3 PFBS	94		25 - 150	03/25/24 11:05	03/28/24 00:22	1
18O2 PFHxS	98		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C4 PFOS	99		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C8 FOSA	105		10 - 150	03/25/24 11:05	03/28/24 00:22	1
d3-NMeFOSAA	88		25 - 150	03/25/24 11:05	03/28/24 00:22	1
d5-NEtFOSAA	96		25 - 150	03/25/24 11:05	03/28/24 00:22	1
d-N-MeFOSA-M	92		10 - 150	03/25/24 11:05	03/28/24 00:22	1
d-N-EtFOSA-M	94		10 - 150	03/25/24 11:05	03/28/24 00:22	1
d7-N-MeFOSE-M	93		10 - 150	03/25/24 11:05	03/28/24 00:22	1
d9-N-EtFOSE-M	95		10 - 150	03/25/24 11:05	03/28/24 00:22	1
M2-4:2 FTS	106		25 - 150	03/25/24 11:05	03/28/24 00:22	1
M2-6:2 FTS	103		25 - 150	03/25/24 11:05	03/28/24 00:22	1
M2-8:2 FTS	136		25 - 150	03/25/24 11:05	03/28/24 00:22	1
13C3 HFPO-DA	96		25 - 150	03/25/24 11:05	03/28/24 00:22	1

**Client Sample ID: MP-02-(198-220)-202403**

**Lab Sample ID: 320-110670-12**

Date Collected: 03/20/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	40		5.8	2.8	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluoropentanoic acid (PFPeA)	200		2.3	0.57	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorohexanoic acid (PFHxA)	120		2.3	0.67	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluoroheptanoic acid (PFHpA)	41		2.3	0.29	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorooctanoic acid (PFOA)	43		2.3	0.98	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorononanoic acid (PFNA)	2.8		2.3	0.31	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorobutanesulfonic acid (PFBS)	0.38	J B	2.3	0.23	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorohexanesulfonic acid (PFHxS)	0.73	J	2.3	0.66	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorooctanesulfonic acid (PFOS)	1.0	J B	2.3	0.62	ng/L		03/25/24 11:05	03/28/24 00:32	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(198-220)-202403**

**Lab Sample ID: 320-110670-12**

Date Collected: 03/20/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/28/24 00:32	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/28/24 00:32	1
NEtFOSA	<1.0		2.3	1.0	ng/L		03/25/24 11:05	03/28/24 00:32	1
NMeFOSA	<0.50		2.3	0.50	ng/L		03/25/24 11:05	03/28/24 00:32	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		03/25/24 11:05	03/28/24 00:32	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		03/25/24 11:05	03/28/24 00:32	1
NMeFOSE	<1.6		4.6	1.6	ng/L		03/25/24 11:05	03/28/24 00:32	1
NEtFOSE	<0.98		2.3	0.98	ng/L		03/25/24 11:05	03/28/24 00:32	1
<b>4:2 FTS</b>	<b>6.4</b>		2.3	0.28	ng/L		03/25/24 11:05	03/28/24 00:32	1
<b>8:2 FTS</b>	<b>24</b>		2.3	0.53	ng/L		03/25/24 11:05	03/28/24 00:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		03/25/24 11:05	03/28/24 00:32	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		03/25/24 11:05	03/28/24 00:32	1
9CI-PF3ONS	<0.28		2.3	0.28	ng/L		03/25/24 11:05	03/28/24 00:32	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		03/25/24 11:05	03/28/24 00:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C5 PFPeA	96		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C2 PFHxA	91		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C4 PFHpA	93		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C4 PFOA	87		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C5 PFNA	92		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C2 PFDA	99		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C2 PFUnA	83		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C2 PFDoA	91		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C2 PFTeDA	95		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C3 PFBS	90		25 - 150	03/25/24 11:05	03/28/24 00:32	1
18O2 PFHxS	100		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C4 PFOS	97		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C8 FOSA	102		10 - 150	03/25/24 11:05	03/28/24 00:32	1
d3-NMeFOSAA	96		25 - 150	03/25/24 11:05	03/28/24 00:32	1
d5-NEtFOSAA	88		25 - 150	03/25/24 11:05	03/28/24 00:32	1
d-N-MeFOSA-M	98		10 - 150	03/25/24 11:05	03/28/24 00:32	1
d-N-EtFOSA-M	102		10 - 150	03/25/24 11:05	03/28/24 00:32	1
d7-N-MeFOSE-M	91		10 - 150	03/25/24 11:05	03/28/24 00:32	1
d9-N-EtFOSE-M	99		10 - 150	03/25/24 11:05	03/28/24 00:32	1
M2-4:2 FTS	99		25 - 150	03/25/24 11:05	03/28/24 00:32	1
M2-8:2 FTS	122		25 - 150	03/25/24 11:05	03/28/24 00:32	1
13C3 HFPO-DA	98		25 - 150	03/25/24 11:05	03/28/24 00:32	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>670</b>		29	14	ng/L		03/25/24 11:05	03/29/24 23:02	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	88		25 - 150	03/25/24 11:05	03/29/24 23:02	5			

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(153-195)-202403**

**Lab Sample ID: 320-110670-13**

Date Collected: 03/20/24 10:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	84		5.1	2.4	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluoropentanoic acid (PFPeA)	320		2.0	0.50	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorohexanoic acid (PFHxA)	190		2.0	0.59	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluoroheptanoic acid (PFHpA)	110		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorooctanoic acid (PFOA)	100		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorononanoic acid (PFNA)	10		2.0	0.27	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorodecanoic acid (PFDA)	2.0		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorobutanesulfonic acid (PFBS)	0.49	J B	2.0	0.20	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.58	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorooctanesulfonic acid (PFOS)	4.4	B	2.0	0.55	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		03/25/24 11:05	03/28/24 01:02	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		03/25/24 11:05	03/28/24 01:02	1
NEtFOSA	<0.88		2.0	0.88	ng/L		03/25/24 11:05	03/28/24 01:02	1
NMeFOSA	<0.44		2.0	0.44	ng/L		03/25/24 11:05	03/28/24 01:02	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		03/25/24 11:05	03/28/24 01:02	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		03/25/24 11:05	03/28/24 01:02	1
NMeFOSE	<1.4		4.1	1.4	ng/L		03/25/24 11:05	03/28/24 01:02	1
NEtFOSE	<0.86		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 01:02	1
4:2 FTS	4.6		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:02	1
8:2 FTS	280		2.0	0.47	ng/L		03/25/24 11:05	03/28/24 01:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		03/25/24 11:05	03/28/24 01:02	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		03/25/24 11:05	03/28/24 01:02	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:02	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C5 PFPeA	100		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C2 PFHxA	113		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C4 PFHpA	100		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C4 PFOA	96		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C5 PFNA	101		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C2 PFDA	106		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C2 PFUnA	94		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C2 PFDoA	92		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C2 PFTrDA	91		25 - 150				03/25/24 11:05	03/28/24 01:02	1
13C3 PFBS	95		25 - 150				03/25/24 11:05	03/28/24 01:02	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(153-195)-202403**

**Lab Sample ID: 320-110670-13**

Date Collected: 03/20/24 10:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		25 - 150	03/25/24 11:05	03/28/24 01:02	1
13C4 PFOS	96		25 - 150	03/25/24 11:05	03/28/24 01:02	1
13C8 FOSA	104		10 - 150	03/25/24 11:05	03/28/24 01:02	1
d3-NMeFOSAA	97		25 - 150	03/25/24 11:05	03/28/24 01:02	1
d5-NEtFOSAA	97		25 - 150	03/25/24 11:05	03/28/24 01:02	1
d-N-MeFOSA-M	91		10 - 150	03/25/24 11:05	03/28/24 01:02	1
d-N-EtFOSA-M	92		10 - 150	03/25/24 11:05	03/28/24 01:02	1
d7-N-MeFOSE-M	96		10 - 150	03/25/24 11:05	03/28/24 01:02	1
d9-N-EtFOSE-M	96		10 - 150	03/25/24 11:05	03/28/24 01:02	1
M2-4:2 FTS	107		25 - 150	03/25/24 11:05	03/28/24 01:02	1
M2-8:2 FTS	135		25 - 150	03/25/24 11:05	03/28/24 01:02	1
13C3 HFPO-DA	105		25 - 150	03/25/24 11:05	03/28/24 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1400		51	25	ng/L		03/25/24 11:05	03/29/24 23:12	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	80		25 - 150	03/25/24 11:05	03/29/24 23:12	10

**Client Sample ID: MP-03-(280-300)-202403**

**Lab Sample ID: 320-110670-14**

Date Collected: 03/19/24 13:20

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 11:05	03/28/24 01:13	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>4.8</b>		2.0	0.48	ng/L		03/25/24 11:05	03/28/24 01:13	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>3.5</b>		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 01:13	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>2.6</b>		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 01:13	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>2.5</b>		2.0	0.83	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 01:13	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.0</b>	<b>J B</b>	2.0	0.53	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		03/25/24 11:05	03/28/24 01:13	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/25/24 11:05	03/28/24 01:13	1
NEtFOSA	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/28/24 01:13	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 11:05	03/28/24 01:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(280-300)-202403**

**Lab Sample ID: 320-110670-14**

Date Collected: 03/19/24 13:20

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 11:05	03/28/24 01:13	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 11:05	03/28/24 01:13	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/25/24 11:05	03/28/24 01:13	1
NEtFOSE	<0.83		2.0	0.83	ng/L		03/25/24 11:05	03/28/24 01:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:13	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/25/24 11:05	03/28/24 01:13	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/25/24 11:05	03/28/24 01:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/25/24 11:05	03/28/24 01:13	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/25/24 11:05	03/28/24 01:13	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:13	1
11CI-PF3OUdS	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C5 PFPeA	94		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C2 PFHxA	97		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C4 PFHpA	96		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C4 PFOA	100		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C5 PFNA	105		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C2 PFDA	103		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C2 PFUnA	97		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C2 PFDoA	91		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C2 PFTeDA	98		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C3 PFBS	98		25 - 150				03/25/24 11:05	03/28/24 01:13	1
18O2 PFHxS	96		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C4 PFOS	95		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C8 FOSA	101		10 - 150				03/25/24 11:05	03/28/24 01:13	1
d3-NMeFOSAA	81		25 - 150				03/25/24 11:05	03/28/24 01:13	1
d5-NEtFOSAA	101		25 - 150				03/25/24 11:05	03/28/24 01:13	1
d-N-MeFOSA-M	77		10 - 150				03/25/24 11:05	03/28/24 01:13	1
d-N-EtFOSA-M	95		10 - 150				03/25/24 11:05	03/28/24 01:13	1
d7-N-MeFOSE-M	83		10 - 150				03/25/24 11:05	03/28/24 01:13	1
d9-N-EtFOSE-M	99		10 - 150				03/25/24 11:05	03/28/24 01:13	1
M2-4:2 FTS	107		25 - 150				03/25/24 11:05	03/28/24 01:13	1
M2-6:2 FTS	105		25 - 150				03/25/24 11:05	03/28/24 01:13	1
M2-8:2 FTS	147		25 - 150				03/25/24 11:05	03/28/24 01:13	1
13C3 HFPO-DA	102		25 - 150				03/25/24 11:05	03/28/24 01:13	1

**Client Sample ID: MP-03-(245-277)-202403**

**Lab Sample ID: 320-110670-15**

Date Collected: 03/19/24 13:35

Matrix: Water

Date Received: 03/21/24 09:30

**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		03/25/24 11:05	03/28/24 01:23	1
Perfluoropentanoic acid (PFPeA)	<0.60		2.5	0.60	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorohexanoic acid (PFHxA)	<0.71		2.5	0.71	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorooctanoic acid (PFOA)	<1.0		2.5	1.0	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorononanoic acid (PFNA)	<0.33		2.5	0.33	ng/L		03/25/24 11:05	03/28/24 01:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(245-277)-202403**

**Lab Sample ID: 320-110670-15**

**Date Collected: 03/19/24 13:35**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	<0.38		2.5	0.38	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.90		2.5	0.90	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.25		2.5	0.25	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.70		2.5	0.70	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.5	0.23	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.5	0.39	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 01:23	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 01:23	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 11:05	03/28/24 01:23	1
NMeFOSA	<0.53		2.5	0.53	ng/L		03/25/24 11:05	03/28/24 01:23	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		03/25/24 11:05	03/28/24 01:23	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		03/25/24 11:05	03/28/24 01:23	1
NMeFOSE	<1.7		4.9	1.7	ng/L		03/25/24 11:05	03/28/24 01:23	1
NEtFOSE	<1.0		2.5	1.0	ng/L		03/25/24 11:05	03/28/24 01:23	1
4:2 FTS	<0.30		2.5	0.30	ng/L		03/25/24 11:05	03/28/24 01:23	1
6:2 FTS	<3.1		6.2	3.1	ng/L		03/25/24 11:05	03/28/24 01:23	1
8:2 FTS	<0.57		2.5	0.57	ng/L		03/25/24 11:05	03/28/24 01:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.5	0.49	ng/L		03/25/24 11:05	03/28/24 01:23	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		03/25/24 11:05	03/28/24 01:23	1
9Cl-PF3ONS	<0.30		2.5	0.30	ng/L		03/25/24 11:05	03/28/24 01:23	1
11Cl-PF3OUdS	<0.39		2.5	0.39	ng/L		03/25/24 11:05	03/28/24 01:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C5 PFPeA	87		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C2 PFHxA	86		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C4 PFHpA	91		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C4 PFOA	92		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C5 PFNA	100		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C2 PFDA	95		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C2 PFUnA	89		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C2 PFDoA	91		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C2 PFTeDA	91		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C3 PFBS	82		25 - 150	03/25/24 11:05	03/28/24 01:23	1
18O2 PFHxS	89		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C4 PFOS	87		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C8 FOSA	97		10 - 150	03/25/24 11:05	03/28/24 01:23	1
d3-NMeFOSAA	85		25 - 150	03/25/24 11:05	03/28/24 01:23	1
d5-NEtFOSAA	88		25 - 150	03/25/24 11:05	03/28/24 01:23	1
d-N-MeFOSA-M	87		10 - 150	03/25/24 11:05	03/28/24 01:23	1
d-N-EtFOSA-M	90		10 - 150	03/25/24 11:05	03/28/24 01:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(245-277)-202403**

**Lab Sample ID: 320-110670-15**

Date Collected: 03/19/24 13:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	95		10 - 150	03/25/24 11:05	03/28/24 01:23	1
d9-N-EtFOSE-M	94		10 - 150	03/25/24 11:05	03/28/24 01:23	1
M2-4:2 FTS	93		25 - 150	03/25/24 11:05	03/28/24 01:23	1
M2-6:2 FTS	90		25 - 150	03/25/24 11:05	03/28/24 01:23	1
M2-8:2 FTS	119		25 - 150	03/25/24 11:05	03/28/24 01:23	1
13C3 HFPO-DA	97		25 - 150	03/25/24 11:05	03/28/24 01:23	1

**Client Sample ID: MP-03-(220-242)-202403**

**Lab Sample ID: 320-110670-16**

Date Collected: 03/19/24 13:45

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 01:33	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.30</b>	<b>J</b>	2.0	0.25	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 11:05	03/28/24 01:33	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 11:05	03/28/24 01:33	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 01:33	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 11:05	03/28/24 01:33	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 11:05	03/28/24 01:33	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 11:05	03/28/24 01:33	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/25/24 11:05	03/28/24 01:33	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 01:33	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:33	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/25/24 11:05	03/28/24 01:33	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/25/24 11:05	03/28/24 01:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/25/24 11:05	03/28/24 01:33	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/25/24 11:05	03/28/24 01:33	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:33	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(220-242)-202403**

**Lab Sample ID: 320-110670-16**

**Date Collected: 03/19/24 13:45**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C5 PFPeA	90		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C2 PFHxA	88		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C4 PFHpA	93		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C4 PFOA	86		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C5 PFNA	100		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C2 PFDA	97		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C2 PFUnA	86		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C2 PFDoA	87		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C2 PFTeDA	93		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C3 PFBS	84		25 - 150	03/25/24 11:05	03/28/24 01:33	1
18O2 PFHxS	87		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C4 PFOS	87		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C8 FOSA	98		10 - 150	03/25/24 11:05	03/28/24 01:33	1
d3-NMeFOSAA	86		25 - 150	03/25/24 11:05	03/28/24 01:33	1
d5-NEtFOSAA	86		25 - 150	03/25/24 11:05	03/28/24 01:33	1
d-N-MeFOSA-M	88		10 - 150	03/25/24 11:05	03/28/24 01:33	1
d-N-EtFOSA-M	88		10 - 150	03/25/24 11:05	03/28/24 01:33	1
d7-N-MeFOSE-M	92		10 - 150	03/25/24 11:05	03/28/24 01:33	1
d9-N-EtFOSE-M	95		10 - 150	03/25/24 11:05	03/28/24 01:33	1
M2-4:2 FTS	91		25 - 150	03/25/24 11:05	03/28/24 01:33	1
M2-6:2 FTS	105		25 - 150	03/25/24 11:05	03/28/24 01:33	1
M2-8:2 FTS	111		25 - 150	03/25/24 11:05	03/28/24 01:33	1
13C3 HFPO-DA	95		25 - 150	03/25/24 11:05	03/28/24 01:33	1

**Client Sample ID: MP-03-(190-217)-202403**

**Lab Sample ID: 320-110670-17**

**Date Collected: 03/19/24 13:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:05	03/28/24 01:43	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>2.2</b>		2.0	0.49	ng/L		03/25/24 11:05	03/28/24 01:43	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>1.3 J</b>		2.0	0.58	ng/L		03/25/24 11:05	03/28/24 01:43	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.62 J</b>		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorotridecanoic acid (PFTeDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(190-217)-202403**

**Lab Sample ID: 320-110670-17**

Date Collected: 03/19/24 13:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:05	03/28/24 01:43	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:05	03/28/24 01:43	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:05	03/28/24 01:43	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:05	03/28/24 01:43	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:05	03/28/24 01:43	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:43	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:05	03/28/24 01:43	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/28/24 01:43	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:43	1
<b>6:2 FTS</b>	<b>7.5</b>		5.0	2.5	ng/L		03/25/24 11:05	03/28/24 01:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:05	03/28/24 01:43	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:05	03/28/24 01:43	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:43	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C5 PFPeA	93		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C2 PFHxA	95		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C4 PFHpA	98		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C4 PFOA	94		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C5 PFNA	96		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C2 PFDA	106		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C2 PFUnA	90		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C2 PFDoA	92		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C2 PFTeDA	94		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C3 PFBS	91		25 - 150				03/25/24 11:05	03/28/24 01:43	1
18O2 PFHxS	97		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C4 PFOS	95		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C8 FOSA	108		10 - 150				03/25/24 11:05	03/28/24 01:43	1
d3-NMeFOSAA	80		25 - 150				03/25/24 11:05	03/28/24 01:43	1
d5-NEtFOSAA	96		25 - 150				03/25/24 11:05	03/28/24 01:43	1
d-N-MeFOSA-M	73		10 - 150				03/25/24 11:05	03/28/24 01:43	1
d-N-EtFOSA-M	90		10 - 150				03/25/24 11:05	03/28/24 01:43	1
d7-N-MeFOSE-M	74		10 - 150				03/25/24 11:05	03/28/24 01:43	1
d9-N-EtFOSE-M	99		10 - 150				03/25/24 11:05	03/28/24 01:43	1
M2-4:2 FTS	114		25 - 150				03/25/24 11:05	03/28/24 01:43	1
M2-6:2 FTS	106		25 - 150				03/25/24 11:05	03/28/24 01:43	1
13C3 HFPO-DA	102		25 - 150				03/25/24 11:05	03/28/24 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>8:2 FTS</b>	<b>0.46</b>	<b>J</b>	2.0	0.46	ng/L		03/25/24 11:05	03/29/24 22:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-8:2 FTS	140		25 - 150				03/25/24 11:05	03/29/24 22:32	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(160-187)-202403**

**Lab Sample ID: 320-110670-18**

Date Collected: 03/19/24 14:20

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		5.0	2.4	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluoropentanoic acid (PFPeA)	66		2.0	0.49	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorohexanoic acid (PFHxA)	37		2.0	0.58	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluoroheptanoic acid (PFHpA)	14		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorooctanoic acid (PFOA)	9.7		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorononanoic acid (PFNA)	0.90	J	2.0	0.27	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		03/25/24 11:05	03/28/24 01:53	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		03/25/24 11:05	03/28/24 01:53	1
NEtFOSA	<0.88		2.0	0.88	ng/L		03/25/24 11:05	03/28/24 01:53	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:05	03/28/24 01:53	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:05	03/28/24 01:53	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:05	03/28/24 01:53	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:05	03/28/24 01:53	1
NEtFOSE	<0.86		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 01:53	1
4:2 FTS	0.43	J	2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:53	1
6:2 FTS	78		5.0	2.5	ng/L		03/25/24 11:05	03/28/24 01:53	1
8:2 FTS	4.6		2.0	0.46	ng/L		03/25/24 11:05	03/28/24 01:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:05	03/28/24 01:53	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:05	03/28/24 01:53	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 01:53	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 01:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C5 PFPeA	93		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C2 PFHxA	94		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C4 PFHpA	91		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C4 PFOA	87		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C5 PFNA	101		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C2 PFDA	101		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C2 PFUnA	87		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C2 PFDoA	92		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C2 PFTeDA	90		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C3 PFBS	93		25 - 150	03/25/24 11:05	03/28/24 01:53	1
18O2 PFHxS	95		25 - 150	03/25/24 11:05	03/28/24 01:53	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(160-187)-202403**

**Lab Sample ID: 320-110670-18**

Date Collected: 03/19/24 14:20

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	94		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C8 FOSA	104		10 - 150	03/25/24 11:05	03/28/24 01:53	1
d3-NMeFOSAA	92		25 - 150	03/25/24 11:05	03/28/24 01:53	1
d5-NEtFOSAA	90		25 - 150	03/25/24 11:05	03/28/24 01:53	1
d-N-MeFOSA-M	88		10 - 150	03/25/24 11:05	03/28/24 01:53	1
d-N-EtFOSA-M	94		10 - 150	03/25/24 11:05	03/28/24 01:53	1
d7-N-MeFOSE-M	90		10 - 150	03/25/24 11:05	03/28/24 01:53	1
d9-N-EtFOSE-M	97		10 - 150	03/25/24 11:05	03/28/24 01:53	1
M2-4:2 FTS	98		25 - 150	03/25/24 11:05	03/28/24 01:53	1
M2-6:2 FTS	92		25 - 150	03/25/24 11:05	03/28/24 01:53	1
M2-8:2 FTS	135		25 - 150	03/25/24 11:05	03/28/24 01:53	1
13C3 HFPO-DA	96		25 - 150	03/25/24 11:05	03/28/24 01:53	1

**Client Sample ID: MP-03-(120-157)-202403**

**Lab Sample ID: 320-110670-19**

Date Collected: 03/19/24 14:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	24		5.4	2.6	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluoropentanoic acid (PFPeA)	33		2.2	0.53	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorohexanoic acid (PFHxA)	17		2.2	0.63	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluoroheptanoic acid (PFHpA)	18		2.2	0.27	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorooctanoic acid (PFOA)	12		2.2	0.92	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorononanoic acid (PFNA)	0.90	J	2.2	0.29	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorobutanesulfonic acid (PFBS)	0.85	J B	2.2	0.22	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorooctanesulfonic acid (PFOS)	7.8	B	2.2	0.59	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		03/25/24 11:05	03/28/24 02:03	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		03/25/24 11:05	03/28/24 02:03	1
NEtFOSA	<0.95		2.2	0.95	ng/L		03/25/24 11:05	03/28/24 02:03	1
NMeFOSA	<0.47		2.2	0.47	ng/L		03/25/24 11:05	03/28/24 02:03	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		03/25/24 11:05	03/28/24 02:03	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		03/25/24 11:05	03/28/24 02:03	1
NMeFOSE	<1.5		4.3	1.5	ng/L		03/25/24 11:05	03/28/24 02:03	1
NEtFOSE	<0.92		2.2	0.92	ng/L		03/25/24 11:05	03/28/24 02:03	1
4:2 FTS	<0.26		2.2	0.26	ng/L		03/25/24 11:05	03/28/24 02:03	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(120-157)-202403**

**Lab Sample ID: 320-110670-19**

Date Collected: 03/19/24 14:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.7		5.4	2.7	ng/L		03/25/24 11:05	03/28/24 02:03	1
8:2 FTS	<0.50		2.2	0.50	ng/L		03/25/24 11:05	03/28/24 02:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		03/25/24 11:05	03/28/24 02:03	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		03/25/24 11:05	03/28/24 02:03	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		03/25/24 11:05	03/28/24 02:03	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		03/25/24 11:05	03/28/24 02:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C5 PFPeA	97		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C2 PFHxA	94		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C4 PFHpA	91		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C4 PFOA	94		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C5 PFNA	101		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C2 PFDA	100		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C2 PFUnA	83		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C2 PFDoA	91		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C2 PFTeDA	90		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C3 PFBS	91		25 - 150				03/25/24 11:05	03/28/24 02:03	1
18O2 PFHxS	97		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C4 PFOS	92		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C8 FOSA	102		10 - 150				03/25/24 11:05	03/28/24 02:03	1
d3-NMeFOSAA	86		25 - 150				03/25/24 11:05	03/28/24 02:03	1
d5-NEtFOSAA	88		25 - 150				03/25/24 11:05	03/28/24 02:03	1
d-N-MeFOSA-M	85		10 - 150				03/25/24 11:05	03/28/24 02:03	1
d-N-EtFOSA-M	95		10 - 150				03/25/24 11:05	03/28/24 02:03	1
d7-N-MeFOSE-M	91		10 - 150				03/25/24 11:05	03/28/24 02:03	1
d9-N-EtFOSE-M	94		10 - 150				03/25/24 11:05	03/28/24 02:03	1
M2-4:2 FTS	91		25 - 150				03/25/24 11:05	03/28/24 02:03	1
M2-6:2 FTS	91		25 - 150				03/25/24 11:05	03/28/24 02:03	1
M2-8:2 FTS	124		25 - 150				03/25/24 11:05	03/28/24 02:03	1
13C3 HFPO-DA	93		25 - 150				03/25/24 11:05	03/28/24 02:03	1

**Client Sample ID: MP-03-(083-117)-202403**

**Lab Sample ID: 320-110670-20**

Date Collected: 03/19/24 14:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	31		5.6	2.7	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluoropentanoic acid (PFPeA)	49		2.3	0.55	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorohexanoic acid (PFHxA)	24		2.3	0.65	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluoroheptanoic acid (PFHpA)	30		2.3	0.28	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorooctanoic acid (PFOA)	20		2.3	0.96	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorononanoic acid (PFNA)	1.2 J		2.3	0.30	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		03/25/24 11:05	03/28/24 02:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(083-117)-202403**

**Lab Sample ID: 320-110670-20**

Date Collected: 03/19/24 14:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>1.0</b>	<b>J B</b>	2.3	0.23	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.3	0.64	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		03/25/24 11:05	03/28/24 02:13	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>4.8</b>	<b>B</b>	2.3	0.61	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/28/24 02:13	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		03/25/24 11:05	03/28/24 02:13	1
NEtFOSA	<0.98		2.3	0.98	ng/L		03/25/24 11:05	03/28/24 02:13	1
NMeFOSA	<0.49		2.3	0.49	ng/L		03/25/24 11:05	03/28/24 02:13	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		03/25/24 11:05	03/28/24 02:13	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		03/25/24 11:05	03/28/24 02:13	1
NMeFOSE	<1.6		4.5	1.6	ng/L		03/25/24 11:05	03/28/24 02:13	1
NEtFOSE	<0.96		2.3	0.96	ng/L		03/25/24 11:05	03/28/24 02:13	1
4:2 FTS	<0.27		2.3	0.27	ng/L		03/25/24 11:05	03/28/24 02:13	1
6:2 FTS	<2.8		5.6	2.8	ng/L		03/25/24 11:05	03/28/24 02:13	1
<b>8:2 FTS</b>	<b>0.87</b>	<b>J</b>	2.3	0.52	ng/L		03/25/24 11:05	03/28/24 02:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		03/25/24 11:05	03/28/24 02:13	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		03/25/24 11:05	03/28/24 02:13	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		03/25/24 11:05	03/28/24 02:13	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		03/25/24 11:05	03/28/24 02:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C5 PFPeA	93		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C2 PFHxA	104		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C4 PFHpA	97		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C4 PFOA	95		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C5 PFNA	107		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C2 PFDA	100		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C2 PFUnA	96		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C2 PFDoA	93		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C2 PFTeDA	103		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C3 PFBS	92		25 - 150	03/25/24 11:05	03/28/24 02:13	1
18O2 PFHxS	99		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C4 PFOS	102		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C8 FOSA	104		10 - 150	03/25/24 11:05	03/28/24 02:13	1
d3-NMeFOSAA	80		25 - 150	03/25/24 11:05	03/28/24 02:13	1
d5-NEtFOSAA	103		25 - 150	03/25/24 11:05	03/28/24 02:13	1
d-N-MeFOSA-M	80		10 - 150	03/25/24 11:05	03/28/24 02:13	1
d-N-EtFOSA-M	100		10 - 150	03/25/24 11:05	03/28/24 02:13	1
d7-N-MeFOSE-M	77		10 - 150	03/25/24 11:05	03/28/24 02:13	1
d9-N-EtFOSE-M	102		10 - 150	03/25/24 11:05	03/28/24 02:13	1
M2-4:2 FTS	107		25 - 150	03/25/24 11:05	03/28/24 02:13	1
M2-6:2 FTS	106		25 - 150	03/25/24 11:05	03/28/24 02:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(083-117)-202403**

**Lab Sample ID: 320-110670-20**

Date Collected: 03/19/24 14:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	139		25 - 150	03/25/24 11:05	03/28/24 02:13	1
13C3 HFPO-DA	95		25 - 150	03/25/24 11:05	03/28/24 02:13	1

**Client Sample ID: MP-03-(046-080)-202403**

**Lab Sample ID: 320-110670-21**

Date Collected: 03/19/24 14:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	68		6.4	3.1	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluoropentanoic acid (PFPeA)	210		2.5	0.62	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorohexanoic acid (PFHxA)	93		2.5	0.74	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluoroheptanoic acid (PFHpA)	93		2.5	0.32	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorooctanoic acid (PFOA)	4.8		2.5	1.1	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorononanoic acid (PFNA)	<0.34		2.5	0.34	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorodecanoic acid (PFDA)	<0.39		2.5	0.39	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.5	0.70	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.5	1.7	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.5	0.93	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorobutanesulfonic acid (PFBS)	0.72	J B	2.5	0.25	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.5	0.38	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.72		2.5	0.72	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.5	0.69	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.5	0.47	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.5	0.41	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 02:23	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 02:23	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 11:05	03/28/24 02:23	1
NMeFOSA	<0.55		2.5	0.55	ng/L		03/25/24 11:05	03/28/24 02:23	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		03/25/24 11:05	03/28/24 02:23	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		03/25/24 11:05	03/28/24 02:23	1
NMeFOSE	<1.8		5.1	1.8	ng/L		03/25/24 11:05	03/28/24 02:23	1
NEtFOSE	<1.1		2.5	1.1	ng/L		03/25/24 11:05	03/28/24 02:23	1
4:2 FTS	<0.31		2.5	0.31	ng/L		03/25/24 11:05	03/28/24 02:23	1
6:2 FTS	<3.2		6.4	3.2	ng/L		03/25/24 11:05	03/28/24 02:23	1
8:2 FTS	<0.58		2.5	0.58	ng/L		03/25/24 11:05	03/28/24 02:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.5	0.51	ng/L		03/25/24 11:05	03/28/24 02:23	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		03/25/24 11:05	03/28/24 02:23	1
9Cl-PF3ONS	<0.31		2.5	0.31	ng/L		03/25/24 11:05	03/28/24 02:23	1
11Cl-PF3OUdS	<0.41		2.5	0.41	ng/L		03/25/24 11:05	03/28/24 02:23	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	97		25 - 150				03/25/24 11:05	03/28/24 02:23	1
13C5 PFPeA	98		25 - 150				03/25/24 11:05	03/28/24 02:23	1
13C2 PFHxA	102		25 - 150				03/25/24 11:05	03/28/24 02:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(046-080)-202403**

**Lab Sample ID: 320-110670-21**

Date Collected: 03/19/24 14:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	105		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C4 PFOA	94		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C5 PFNA	105		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C2 PFDA	104		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C2 PFUnA	96		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C2 PFDoA	105		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C2 PFTeDA	99		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C3 PFBS	98		25 - 150	03/25/24 11:05	03/28/24 02:23	1
18O2 PFHxS	105		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C4 PFOS	92		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C8 FOSA	110		10 - 150	03/25/24 11:05	03/28/24 02:23	1
d3-NMeFOSAA	93		25 - 150	03/25/24 11:05	03/28/24 02:23	1
d5-NEtFOSAA	92		25 - 150	03/25/24 11:05	03/28/24 02:23	1
d-N-MeFOSA-M	102		10 - 150	03/25/24 11:05	03/28/24 02:23	1
d-N-EtFOSA-M	102		10 - 150	03/25/24 11:05	03/28/24 02:23	1
d7-N-MeFOSE-M	100		10 - 150	03/25/24 11:05	03/28/24 02:23	1
d9-N-EtFOSE-M	103		10 - 150	03/25/24 11:05	03/28/24 02:23	1
M2-4:2 FTS	100		25 - 150	03/25/24 11:05	03/28/24 02:23	1
M2-6:2 FTS	95		25 - 150	03/25/24 11:05	03/28/24 02:23	1
M2-8:2 FTS	142		25 - 150	03/25/24 11:05	03/28/24 02:23	1
13C3 HFPO-DA	101		25 - 150	03/25/24 11:05	03/28/24 02:23	1

**Client Sample ID: MP-04-(275-291)-202403**

**Lab Sample ID: 320-110670-22**

Date Collected: 03/19/24 08:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		03/25/24 11:05	03/28/24 02:33	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		03/25/24 11:05	03/28/24 02:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(275-291)-202403**

**Lab Sample ID: 320-110670-22**

Date Collected: 03/19/24 08:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/28/24 02:33	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 11:05	03/28/24 02:33	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 11:05	03/28/24 02:33	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 11:05	03/28/24 02:33	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/25/24 11:05	03/28/24 02:33	1
NEtFOSE	<0.83		2.0	0.83	ng/L		03/25/24 11:05	03/28/24 02:33	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 02:33	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/25/24 11:05	03/28/24 02:33	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/25/24 11:05	03/28/24 02:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/25/24 11:05	03/28/24 02:33	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/25/24 11:05	03/28/24 02:33	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 02:33	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 02:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C5 PFPeA	71		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C2 PFHxA	73		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C4 PFHpA	78		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C4 PFOA	74		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C5 PFNA	77		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C2 PFDA	76		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C2 PFUnA	71		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C2 PFDoA	71		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C2 PFTeDA	71		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C3 PFBS	68		25 - 150				03/25/24 11:05	03/28/24 02:33	1
18O2 PFHxS	71		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C4 PFOS	72		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C8 FOSA	82		10 - 150				03/25/24 11:05	03/28/24 02:33	1
d3-NMeFOSAA	68		25 - 150				03/25/24 11:05	03/28/24 02:33	1
d5-NEtFOSAA	69		25 - 150				03/25/24 11:05	03/28/24 02:33	1
d-N-MeFOSA-M	67		10 - 150				03/25/24 11:05	03/28/24 02:33	1
d-N-EtFOSA-M	74		10 - 150				03/25/24 11:05	03/28/24 02:33	1
d7-N-MeFOSE-M	66		10 - 150				03/25/24 11:05	03/28/24 02:33	1
d9-N-EtFOSE-M	73		10 - 150				03/25/24 11:05	03/28/24 02:33	1
M2-4:2 FTS	69		25 - 150				03/25/24 11:05	03/28/24 02:33	1
M2-6:2 FTS	79		25 - 150				03/25/24 11:05	03/28/24 02:33	1
M2-8:2 FTS	97		25 - 150				03/25/24 11:05	03/28/24 02:33	1
13C3 HFPO-DA	77		25 - 150				03/25/24 11:05	03/28/24 02:33	1

**Client Sample ID: MP-04-(245-272)-202403**

**Lab Sample ID: 320-110670-23**

Date Collected: 03/19/24 08:30

Matrix: Water

Date Received: 03/21/24 09:30

**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		03/25/24 11:05	03/28/24 03:03	1
Perfluoropentanoic acid (PFPeA)	<0.60		2.5	0.60	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorohexanoic acid (PFHxA)	<0.71		2.5	0.71	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		03/25/24 11:05	03/28/24 03:03	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(245-272)-202403**

**Lab Sample ID: 320-110670-23**

**Date Collected: 03/19/24 08:30**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	<1.0		2.5	1.0	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorononanoic acid (PFNA)	<0.33		2.5	0.33	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorodecanoic acid (PFDA)	<0.38		2.5	0.38	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.90		2.5	0.90	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.25		2.5	0.25	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.70		2.5	0.70	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.5	0.23	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.66		2.5	0.66	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.5	0.39	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 03:03	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 11:05	03/28/24 03:03	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 11:05	03/28/24 03:03	1
NMeFOSA	<0.53		2.5	0.53	ng/L		03/25/24 11:05	03/28/24 03:03	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		03/25/24 11:05	03/28/24 03:03	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		03/25/24 11:05	03/28/24 03:03	1
NMeFOSE	<1.7		4.9	1.7	ng/L		03/25/24 11:05	03/28/24 03:03	1
NEtFOSE	<1.0		2.5	1.0	ng/L		03/25/24 11:05	03/28/24 03:03	1
4:2 FTS	<0.30		2.5	0.30	ng/L		03/25/24 11:05	03/28/24 03:03	1
6:2 FTS	<3.1		6.2	3.1	ng/L		03/25/24 11:05	03/28/24 03:03	1
8:2 FTS	<0.57		2.5	0.57	ng/L		03/25/24 11:05	03/28/24 03:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.5	0.49	ng/L		03/25/24 11:05	03/28/24 03:03	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		03/25/24 11:05	03/28/24 03:03	1
9Cl-PF3ONS	<0.30		2.5	0.30	ng/L		03/25/24 11:05	03/28/24 03:03	1
11Cl-PF3OUdS	<0.39		2.5	0.39	ng/L		03/25/24 11:05	03/28/24 03:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C5 PFPeA	87		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C2 PFHxA	87		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C4 PFHpA	91		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C4 PFOA	87		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C5 PFNA	90		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C2 PFDA	90		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C2 PFUnA	81		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C2 PFDoA	86		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C2 PFTeDA	87		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C3 PFBS	80		25 - 150	03/25/24 11:05	03/28/24 03:03	1
18O2 PFHxS	85		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C4 PFOS	80		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C8 FOSA	89		10 - 150	03/25/24 11:05	03/28/24 03:03	1
d3-NMeFOSAA	79		25 - 150	03/25/24 11:05	03/28/24 03:03	1
d5-NEtFOSAA	83		25 - 150	03/25/24 11:05	03/28/24 03:03	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(245-272)-202403**

**Lab Sample ID: 320-110670-23**

Date Collected: 03/19/24 08:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	89		10 - 150	03/25/24 11:05	03/28/24 03:03	1
d-N-EtFOSA-M	91		10 - 150	03/25/24 11:05	03/28/24 03:03	1
d7-N-MeFOSE-M	91		10 - 150	03/25/24 11:05	03/28/24 03:03	1
d9-N-EtFOSE-M	91		10 - 150	03/25/24 11:05	03/28/24 03:03	1
M2-4:2 FTS	94		25 - 150	03/25/24 11:05	03/28/24 03:03	1
M2-6:2 FTS	89		25 - 150	03/25/24 11:05	03/28/24 03:03	1
M2-8:2 FTS	97		25 - 150	03/25/24 11:05	03/28/24 03:03	1
13C3 HFPO-DA	90		25 - 150	03/25/24 11:05	03/28/24 03:03	1

**Client Sample ID: MP-04-(220-242)-202403**

**Lab Sample ID: 320-110670-24**

Date Collected: 03/19/24 08:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 11:05	03/28/24 03:13	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 11:05	03/28/24 03:13	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 11:05	03/28/24 03:13	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:05	03/28/24 03:13	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:05	03/28/24 03:13	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:05	03/28/24 03:13	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:05	03/28/24 03:13	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 11:05	03/28/24 03:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 03:13	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:05	03/28/24 03:13	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:05	03/28/24 03:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:05	03/28/24 03:13	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:05	03/28/24 03:13	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/28/24 03:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(220-242)-202403**

**Lab Sample ID: 320-110670-24**

**Date Collected: 03/19/24 08:50**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/28/24 03:13	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	96		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C5 PFPeA	96		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C2 PFHxA	99		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C4 PFHpA	101		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C4 PFOA	97		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C5 PFNA	103		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C2 PFDA	106		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C2 PFUnA	86		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C2 PFDoA	98		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C2 PFTeDA	96		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C3 PFBS	98		25 - 150				03/25/24 11:05	03/28/24 03:13	1
18O2 PFHxS	103		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C4 PFOS	98		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C8 FOSA	108		10 - 150				03/25/24 11:05	03/28/24 03:13	1
d3-NMeFOSAA	94		25 - 150				03/25/24 11:05	03/28/24 03:13	1
d5-NEtFOSAA	94		25 - 150				03/25/24 11:05	03/28/24 03:13	1
d-N-MeFOSA-M	92		10 - 150				03/25/24 11:05	03/28/24 03:13	1
d-N-EtFOSA-M	93		10 - 150				03/25/24 11:05	03/28/24 03:13	1
d7-N-MeFOSE-M	98		10 - 150				03/25/24 11:05	03/28/24 03:13	1
d9-N-EtFOSE-M	95		10 - 150				03/25/24 11:05	03/28/24 03:13	1
M2-4:2 FTS	116		25 - 150				03/25/24 11:05	03/28/24 03:13	1
M2-6:2 FTS	106		25 - 150				03/25/24 11:05	03/28/24 03:13	1
M2-8:2 FTS	130		25 - 150				03/25/24 11:05	03/28/24 03:13	1
13C3 HFPO-DA	101		25 - 150				03/25/24 11:05	03/28/24 03:13	1

**Client Sample ID: MP-04-(195-217)-202403**

**Lab Sample ID: 320-110670-25**

**Date Collected: 03/19/24 09:10**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		03/25/24 11:05	03/28/24 03:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(195-217)-202403**

**Lab Sample ID: 320-110670-25**

**Date Collected: 03/19/24 09:10**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		03/25/24 11:05	03/28/24 03:23	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		03/25/24 11:05	03/28/24 03:23	1
NEtFOSA	<0.91		2.1	0.91	ng/L		03/25/24 11:05	03/28/24 03:23	1
NMeFOSA	<0.45		2.1	0.45	ng/L		03/25/24 11:05	03/28/24 03:23	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		03/25/24 11:05	03/28/24 03:23	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		03/25/24 11:05	03/28/24 03:23	1
NMeFOSE	<1.5		4.2	1.5	ng/L		03/25/24 11:05	03/28/24 03:23	1
NEtFOSE	<0.89		2.1	0.89	ng/L		03/25/24 11:05	03/28/24 03:23	1
4:2 FTS	<0.25		2.1	0.25	ng/L		03/25/24 11:05	03/28/24 03:23	1
6:2 FTS	<2.6		5.2	2.6	ng/L		03/25/24 11:05	03/28/24 03:23	1
8:2 FTS	<0.48		2.1	0.48	ng/L		03/25/24 11:05	03/28/24 03:23	1
4,8-Dioxa-3H-perfluoronanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		03/25/24 11:05	03/28/24 03:23	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		03/25/24 11:05	03/28/24 03:23	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		03/25/24 11:05	03/28/24 03:23	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		03/25/24 11:05	03/28/24 03:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C5 PFPeA	103		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C2 PFHxA	103		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C4 PFHpA	109		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C4 PFOA	106		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C5 PFNA	106		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C2 PFDA	110		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C2 PFUnA	98		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C2 PFDoA	106		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C2 PFTeDA	111		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C3 PFBS	98		25 - 150				03/25/24 11:05	03/28/24 03:23	1
18O2 PFHxS	98		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C4 PFOS	99		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C8 FOSA	110		10 - 150				03/25/24 11:05	03/28/24 03:23	1
d3-NMeFOSAA	101		25 - 150				03/25/24 11:05	03/28/24 03:23	1
d5-NEtFOSAA	98		25 - 150				03/25/24 11:05	03/28/24 03:23	1
d-N-MeFOSA-M	92		10 - 150				03/25/24 11:05	03/28/24 03:23	1
d-N-EtFOSA-M	105		10 - 150				03/25/24 11:05	03/28/24 03:23	1
d7-N-MeFOSE-M	100		10 - 150				03/25/24 11:05	03/28/24 03:23	1
d9-N-EtFOSE-M	115		10 - 150				03/25/24 11:05	03/28/24 03:23	1
M2-4:2 FTS	108		25 - 150				03/25/24 11:05	03/28/24 03:23	1
M2-6:2 FTS	113		25 - 150				03/25/24 11:05	03/28/24 03:23	1
M2-8:2 FTS	143		25 - 150				03/25/24 11:05	03/28/24 03:23	1
13C3 HFPO-DA	106		25 - 150				03/25/24 11:05	03/28/24 03:23	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(155-192)-202403**

**Lab Sample ID: 320-110670-26**

Date Collected: 03/19/24 09:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	37		6.1	2.9	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluoropentanoic acid (PFPeA)	160		2.4	0.59	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorohexanoic acid (PFHxA)	110		2.4	0.70	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluoroheptanoic acid (PFHpA)	35		2.4	0.30	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorooctanoic acid (PFOA)	44		2.4	1.0	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorononanoic acid (PFNA)	2.8		2.4	0.33	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorodecanoic acid (PFDA)	<0.38		2.4	0.38	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorododecanoic acid (PFDoA)	<0.67		2.4	0.67	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.89		2.4	0.89	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.82 J		2.4	0.69	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.66		2.4	0.66	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/28/24 03:33	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		03/25/24 11:05	03/28/24 03:33	1
NEtFOSA	<1.1		2.4	1.1	ng/L		03/25/24 11:05	03/28/24 03:33	1
NMeFOSA	<0.52		2.4	0.52	ng/L		03/25/24 11:05	03/28/24 03:33	1
NMeFOSAA	<1.5		6.1	1.5	ng/L		03/25/24 11:05	03/28/24 03:33	1
NEtFOSAA	<1.6		6.1	1.6	ng/L		03/25/24 11:05	03/28/24 03:33	1
NMeFOSE	<1.7		4.9	1.7	ng/L		03/25/24 11:05	03/28/24 03:33	1
NEtFOSE	<1.0		2.4	1.0	ng/L		03/25/24 11:05	03/28/24 03:33	1
4:2 FTS	6.5		2.4	0.29	ng/L		03/25/24 11:05	03/28/24 03:33	1
8:2 FTS	36		2.4	0.56	ng/L		03/25/24 11:05	03/28/24 03:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.4	0.49	ng/L		03/25/24 11:05	03/28/24 03:33	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		03/25/24 11:05	03/28/24 03:33	1
9CI-PF3ONS	<0.29		2.4	0.29	ng/L		03/25/24 11:05	03/28/24 03:33	1
11CI-PF3OUdS	<0.39		2.4	0.39	ng/L		03/25/24 11:05	03/28/24 03:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C5 PFPeA	91		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C2 PFHxA	97		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C4 PFHpA	95		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C4 PFOA	95		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C5 PFNA	98		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C2 PFDA	92		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C2 PFUnA	87		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C2 PFDoA	92		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C2 PFTeDA	93		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C3 PFBS	83		25 - 150	03/25/24 11:05	03/28/24 03:33	1
18O2 PFHxS	90		25 - 150	03/25/24 11:05	03/28/24 03:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(155-192)-202403**

**Lab Sample ID: 320-110670-26**

Date Collected: 03/19/24 09:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	89		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C8 FOSA	95		10 - 150	03/25/24 11:05	03/28/24 03:33	1
d3-NMeFOSAA	92		25 - 150	03/25/24 11:05	03/28/24 03:33	1
d5-NEtFOSAA	82		25 - 150	03/25/24 11:05	03/28/24 03:33	1
d-N-MeFOSA-M	85		10 - 150	03/25/24 11:05	03/28/24 03:33	1
d-N-EtFOSA-M	89		10 - 150	03/25/24 11:05	03/28/24 03:33	1
d7-N-MeFOSE-M	95		10 - 150	03/25/24 11:05	03/28/24 03:33	1
d9-N-EtFOSE-M	99		10 - 150	03/25/24 11:05	03/28/24 03:33	1
M2-4:2 FTS	98		25 - 150	03/25/24 11:05	03/28/24 03:33	1
M2-8:2 FTS	104		25 - 150	03/25/24 11:05	03/28/24 03:33	1
13C3 HFPO-DA	96		25 - 150	03/25/24 11:05	03/28/24 03:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	810		30	15	ng/L		03/25/24 11:05	03/29/24 23:22	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	95		25 - 150	03/25/24 11:05	03/29/24 23:22	5			

**Client Sample ID: MP-04-(115-152)-202403**

**Lab Sample ID: 320-110670-27**

Date Collected: 03/19/24 09:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	200		5.1	2.4	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluoroheptanoic acid (PFHpA)	200		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorooctanoic acid (PFOA)	290		2.0	0.86	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorononanoic acid (PFNA)	17		2.0	0.27	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorodecanoic acid (PFDA)	1.5	J	2.0	0.32	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorobutanesulfonic acid (PFBS)	0.88	J	2.0	0.20	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	2.0	0.31	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorooctanesulfonic acid (PFOS)	5.6		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		03/25/24 11:06	03/28/24 05:03	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		03/25/24 11:06	03/28/24 05:03	1
NEtFOSA	<0.88		2.0	0.88	ng/L		03/25/24 11:06	03/28/24 05:03	1
NMeFOSA	<0.44		2.0	0.44	ng/L		03/25/24 11:06	03/28/24 05:03	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		03/25/24 11:06	03/28/24 05:03	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(115-152)-202403**

**Lab Sample ID: 320-110670-27**

Date Collected: 03/19/24 09:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.3		5.1	1.3	ng/L		03/25/24 11:06	03/28/24 05:03	1
NMeFOSE	<1.4		4.1	1.4	ng/L		03/25/24 11:06	03/28/24 05:03	1
NEFOSE	<0.86		2.0	0.86	ng/L		03/25/24 11:06	03/28/24 05:03	1
<b>4:2 FTS</b>	<b>51</b>		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		03/25/24 11:06	03/28/24 05:03	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		03/25/24 11:06	03/28/24 05:03	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:03	1
11CI-PF3OUdS	<0.33		2.0	0.33	ng/L		03/25/24 11:06	03/28/24 05:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C4 PFHpA	108		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C4 PFOA	96		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C5 PFNA	113		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C2 PFDA	124		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C2 PFUnA	100		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C2 PFDoA	102		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C2 PFTeDA	108		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C3 PFBS	100		25 - 150				03/25/24 11:06	03/28/24 05:03	1
18O2 PFHxS	112		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C4 PFOS	110		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C8 FOSA	120		10 - 150				03/25/24 11:06	03/28/24 05:03	1
d3-NMeFOSAA	69		25 - 150				03/25/24 11:06	03/28/24 05:03	1
d5-NEtFOSAA	110		25 - 150				03/25/24 11:06	03/28/24 05:03	1
d-N-MeFOSA-M	67		10 - 150				03/25/24 11:06	03/28/24 05:03	1
d-N-EtFOSA-M	102		10 - 150				03/25/24 11:06	03/28/24 05:03	1
d7-N-MeFOSE-M	73		10 - 150				03/25/24 11:06	03/28/24 05:03	1
d9-N-EtFOSE-M	110		10 - 150				03/25/24 11:06	03/28/24 05:03	1
M2-4:2 FTS	100		25 - 150				03/25/24 11:06	03/28/24 05:03	1
13C3 HFPO-DA	109		25 - 150				03/25/24 11:06	03/28/24 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1100		41	10	ng/L		03/25/24 11:06	03/29/24 20:11	20
Perfluorohexanoic acid (PFHxA)	710		41	12	ng/L		03/25/24 11:06	03/29/24 20:11	20
<b>6:2 FTS</b>	<b>4500</b>		100	51	ng/L		03/25/24 11:06	03/29/24 20:11	20
<b>8:2 FTS</b>	<b>270</b>		41	9.4	ng/L		03/25/24 11:06	03/29/24 20:11	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	80		25 - 150				03/25/24 11:06	03/29/24 20:11	20
13C2 PFHxA	90		25 - 150				03/25/24 11:06	03/29/24 20:11	20
M2-6:2 FTS	109		25 - 150				03/25/24 11:06	03/29/24 20:11	20
M2-8:2 FTS	104		25 - 150				03/25/24 11:06	03/29/24 20:11	20

**Client Sample ID: MP-04-(080-112)-202403**

**Lab Sample ID: 320-110670-28**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	150		5.4	2.6	ng/L		03/25/24 11:06	03/28/24 05:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(080-112)-202403**

**Lab Sample ID: 320-110670-28**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	140		2.2	0.27	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorooctanoic acid (PFOA)	210		2.2	0.92	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorononanoic acid (PFNA)	13		2.2	0.29	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorodecanoic acid (PFDA)	0.87	J	2.2	0.33	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.2	0.22	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	2.2	0.61	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorooctanesulfonic acid (PFOS)	3.4		2.2	0.58	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.2	0.34	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		03/25/24 11:06	03/28/24 05:13	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		03/25/24 11:06	03/28/24 05:13	1
NEtFOSA	<0.94		2.2	0.94	ng/L		03/25/24 11:06	03/28/24 05:13	1
NMeFOSA	<0.46		2.2	0.46	ng/L		03/25/24 11:06	03/28/24 05:13	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		03/25/24 11:06	03/28/24 05:13	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		03/25/24 11:06	03/28/24 05:13	1
NMeFOSE	<1.5		4.3	1.5	ng/L		03/25/24 11:06	03/28/24 05:13	1
NEtFOSE	<0.92		2.2	0.92	ng/L		03/25/24 11:06	03/28/24 05:13	1
4:2 FTS	22		2.2	0.26	ng/L		03/25/24 11:06	03/28/24 05:13	1
8:2 FTS	88		2.2	0.50	ng/L		03/25/24 11:06	03/28/24 05:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		03/25/24 11:06	03/28/24 05:13	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		03/25/24 11:06	03/28/24 05:13	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		03/25/24 11:06	03/28/24 05:13	1
11CI-PF3OUdS	<0.34		2.2	0.34	ng/L		03/25/24 11:06	03/28/24 05:13	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	89		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C4 PFHpA	97		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C4 PFOA	86		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C5 PFNA	98		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C2 PFDA	93		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C2 PFUnA	93		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C2 PFDoA	95		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C2 PFTeDA	92		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C3 PFBS	88		25 - 150				03/25/24 11:06	03/28/24 05:13	1
18O2 PFHxS	92		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C4 PFOS	91		25 - 150				03/25/24 11:06	03/28/24 05:13	1
13C8 FOSA	105		10 - 150				03/25/24 11:06	03/28/24 05:13	1
d3-NMeFOSAA	64		25 - 150				03/25/24 11:06	03/28/24 05:13	1
d5-NEtFOSAA	89		25 - 150				03/25/24 11:06	03/28/24 05:13	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(080-112)-202403**

**Lab Sample ID: 320-110670-28**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	66		10 - 150	03/25/24 11:06	03/28/24 05:13	1
d-N-EtFOSA-M	85		10 - 150	03/25/24 11:06	03/28/24 05:13	1
d7-N-MeFOSE-M	65		10 - 150	03/25/24 11:06	03/28/24 05:13	1
d9-N-EtFOSE-M	95		10 - 150	03/25/24 11:06	03/28/24 05:13	1
M2-4:2 FTS	93		25 - 150	03/25/24 11:06	03/28/24 05:13	1
M2-8:2 FTS	135		25 - 150	03/25/24 11:06	03/28/24 05:13	1
13C3 HFPO-DA	96		25 - 150	03/25/24 11:06	03/28/24 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	420		22	6.3	ng/L		03/25/24 11:06	04/01/24 23:45	10
6:2 FTS	2000		54	27	ng/L		03/25/24 11:06	04/01/24 23:45	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	128		25 - 150	03/25/24 11:06	04/01/24 23:45	10
M2-6:2 FTS	64		25 - 150	03/25/24 11:06	04/01/24 23:45	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	840		22	5.3	ng/L		03/25/24 11:06	04/03/24 13:23	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	92		25 - 150	03/25/24 11:06	04/03/24 13:23	10

**Client Sample ID: MP-04-(048-077)-202403**

**Lab Sample ID: 320-110670-29**

Date Collected: 03/19/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.5		6.7	3.2	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluoropentanoic acid (PFPeA)	10		2.7	0.66	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorohexanoic acid (PFHxA)	5.6		2.7	0.78	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluoroheptanoic acid (PFHpA)	1.3 J		2.7	0.34	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorooctanoic acid (PFOA)	<1.1		2.7	1.1	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorononanoic acid (PFNA)	<0.36		2.7	0.36	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorodecanoic acid (PFDA)	<0.42		2.7	0.42	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluoroundecanoic acid (PFUnA)	<1.5		2.7	1.5	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorododecanoic acid (PFDoA)	<0.74		2.7	0.74	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.8		2.7	1.8	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.98		2.7	0.98	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorobutanesulfonic acid (PFBS)	0.79 J		2.7	0.27	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.40		2.7	0.40	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.77		2.7	0.77	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.26		2.7	0.26	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.73		2.7	0.73	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorononanesulfonic acid (PFNS)	<0.50		2.7	0.50	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.43		2.7	0.43	ng/L		03/25/24 11:06	03/28/24 05:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.7	1.3	ng/L		03/25/24 11:06	03/28/24 05:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(048-077)-202403**

**Lab Sample ID: 320-110670-29**

Date Collected: 03/19/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<1.3		2.7	1.3	ng/L		03/25/24 11:06	03/28/24 05:23	1
NEtFOSA	<1.2		2.7	1.2	ng/L		03/25/24 11:06	03/28/24 05:23	1
NMeFOSA	<0.58		2.7	0.58	ng/L		03/25/24 11:06	03/28/24 05:23	1
NMeFOSAA	<1.6		6.7	1.6	ng/L		03/25/24 11:06	03/28/24 05:23	1
NEtFOSAA	<1.8		6.7	1.8	ng/L		03/25/24 11:06	03/28/24 05:23	1
NMeFOSE	<1.9		5.4	1.9	ng/L		03/25/24 11:06	03/28/24 05:23	1
NEtFOSE	<1.1		2.7	1.1	ng/L		03/25/24 11:06	03/28/24 05:23	1
4:2 FTS	<0.32		2.7	0.32	ng/L		03/25/24 11:06	03/28/24 05:23	1
6:2 FTS	<3.4		6.7	3.4	ng/L		03/25/24 11:06	03/28/24 05:23	1
<b>8:2 FTS</b>	<b>0.87</b>	<b>J</b>	2.7	0.62	ng/L		03/25/24 11:06	03/28/24 05:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.54		2.7	0.54	ng/L		03/25/24 11:06	03/28/24 05:23	1
HFPO-DA (GenX)	<2.0		5.4	2.0	ng/L		03/25/24 11:06	03/28/24 05:23	1
9Cl-PF3ONS	<0.32		2.7	0.32	ng/L		03/25/24 11:06	03/28/24 05:23	1
11Cl-PF3OUdS	<0.43		2.7	0.43	ng/L		03/25/24 11:06	03/28/24 05:23	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	90		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C5 PFPeA	87		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C2 PFHxA	89		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C4 PFHpA	94		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C4 PFOA	86		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C5 PFNA	92		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C2 PFDA	95		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C2 PFUnA	86		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C2 PFDoA	91		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C2 PFTeDA	89		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C3 PFBS	82		25 - 150				03/25/24 11:06	03/28/24 05:23	1
18O2 PFHxS	87		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C4 PFOS	83		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C8 FOSA	98		10 - 150				03/25/24 11:06	03/28/24 05:23	1
d3-NMeFOSAA	78		25 - 150				03/25/24 11:06	03/28/24 05:23	1
d5-NEtFOSAA	77		25 - 150				03/25/24 11:06	03/28/24 05:23	1
d-N-MeFOSA-M	81		10 - 150				03/25/24 11:06	03/28/24 05:23	1
d-N-EtFOSA-M	83		10 - 150				03/25/24 11:06	03/28/24 05:23	1
d7-N-MeFOSE-M	83		10 - 150				03/25/24 11:06	03/28/24 05:23	1
d9-N-EtFOSE-M	88		10 - 150				03/25/24 11:06	03/28/24 05:23	1
M2-4:2 FTS	91		25 - 150				03/25/24 11:06	03/28/24 05:23	1
M2-6:2 FTS	85		25 - 150				03/25/24 11:06	03/28/24 05:23	1
M2-8:2 FTS	99		25 - 150				03/25/24 11:06	03/28/24 05:23	1
13C3 HFPO-DA	94		25 - 150				03/25/24 11:06	03/28/24 05:23	1

**Client Sample ID: MP-05-(SWL-065)-202403**

**Lab Sample ID: 320-110670-30**

Date Collected: 03/18/24 15:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		6.2	3.0	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluoropentanoic acid (PFPeA)	18		2.5	0.61	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorohexanoic acid (PFHxA)	13		2.5	0.72	ng/L		03/25/24 11:06	03/28/24 05:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-05-(SWL-065)-202403**

**Lab Sample ID: 320-110670-30**

**Date Collected: 03/18/24 15:00**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>13</b>		2.5	0.31	ng/L		03/25/24 11:06	03/28/24 05:33	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>6.9</b>		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorononanoic acid (PFNA)	<0.33		2.5	0.33	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorodecanoic acid (PFDA)	<0.38		2.5	0.38	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.91		2.5	0.91	ng/L		03/25/24 11:06	03/28/24 05:33	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>1.0 J</b>		2.5	0.25	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.71		2.5	0.71	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.40		2.5	0.40	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 11:06	03/28/24 05:33	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 11:06	03/28/24 05:33	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 05:33	1
NMeFOSA	<0.53		2.5	0.53	ng/L		03/25/24 11:06	03/28/24 05:33	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		03/25/24 11:06	03/28/24 05:33	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		03/25/24 11:06	03/28/24 05:33	1
NMeFOSE	<1.7		5.0	1.7	ng/L		03/25/24 11:06	03/28/24 05:33	1
NEtFOSE	<1.1		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 05:33	1
4:2 FTS	<0.30		2.5	0.30	ng/L		03/25/24 11:06	03/28/24 05:33	1
6:2 FTS	<3.1		6.2	3.1	ng/L		03/25/24 11:06	03/28/24 05:33	1
8:2 FTS	<0.57		2.5	0.57	ng/L		03/25/24 11:06	03/28/24 05:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.50		2.5	0.50	ng/L		03/25/24 11:06	03/28/24 05:33	1
HFPO-DA (GenX)	<1.9		5.0	1.9	ng/L		03/25/24 11:06	03/28/24 05:33	1
9CI-PF3ONS	<0.30		2.5	0.30	ng/L		03/25/24 11:06	03/28/24 05:33	1
11CI-PF3OUdS	<0.40		2.5	0.40	ng/L		03/25/24 11:06	03/28/24 05:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C5 PFPeA	90		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C2 PFHxA	95		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C4 PFHpA	101		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C4 PFOA	92		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C5 PFNA	96		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C2 PFDA	100		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C2 PFUnA	86		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C2 PFDoA	97		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C2 PFTeDA	85		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C3 PFBS	90		25 - 150	03/25/24 11:06	03/28/24 05:33	1
18O2 PFHxS	91		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C4 PFOS	92		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C8 FOSA	101		10 - 150	03/25/24 11:06	03/28/24 05:33	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-05-(SWL-065)-202403**

**Lab Sample ID: 320-110670-30**

Date Collected: 03/18/24 15:00

Matrix: Water

Date Received: 03/21/24 09:30

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d3-NMeFOSAA	84		25 - 150	03/25/24 11:06	03/28/24 05:33	1
d5-NEtFOSAA	82		25 - 150	03/25/24 11:06	03/28/24 05:33	1
d-N-MeFOSA-M	81		10 - 150	03/25/24 11:06	03/28/24 05:33	1
d-N-EtFOSA-M	86		10 - 150	03/25/24 11:06	03/28/24 05:33	1
d7-N-MeFOSE-M	88		10 - 150	03/25/24 11:06	03/28/24 05:33	1
d9-N-EtFOSE-M	92		10 - 150	03/25/24 11:06	03/28/24 05:33	1
M2-4:2 FTS	95		25 - 150	03/25/24 11:06	03/28/24 05:33	1
M2-6:2 FTS	95		25 - 150	03/25/24 11:06	03/28/24 05:33	1
M2-8:2 FTS	128		25 - 150	03/25/24 11:06	03/28/24 05:33	1
13C3 HFPO-DA	97		25 - 150	03/25/24 11:06	03/28/24 05:33	1

**Client Sample ID: MP-06-(148-178)-202403**

**Lab Sample ID: 320-110670-31**

Date Collected: 03/19/24 10:55

Matrix: Water

Date Received: 03/21/24 09:30

**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		03/25/24 11:06	03/28/24 05:43	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:06	03/28/24 05:43	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:06	03/28/24 05:43	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:06	03/28/24 05:43	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:06	03/28/24 05:43	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:06	03/28/24 05:43	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:06	03/28/24 05:43	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:06	03/28/24 05:43	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 05:43	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:43	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:06	03/28/24 05:43	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:06	03/28/24 05:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:06	03/28/24 05:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(148-178)-202403**

**Lab Sample ID: 320-110670-31**

**Date Collected: 03/19/24 10:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:06	03/28/24 05:43	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:43	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 05:43	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				03/25/24 11:06	03/28/24 05:43	1
13C5 PFPeA	90		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C2 PFHxA	92		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C4 PFHpA	100		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C4 PFOA	93		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C5 PFNA	94		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C2 PFDA	100		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C2 PFUnA	93		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C2 PFDoA	90		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C2 PFTeDA	100		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C3 PFBS	91		25 - 150				03/25/24 11:06	03/28/24 05:43	1
18O2 PFHxS	92		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C4 PFOS	91		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C8 FOSA	97		10 - 150				03/25/24 11:06	03/28/24 05:43	1
d3-NMeFOSAA	85		25 - 150				03/25/24 11:06	03/28/24 05:43	1
d5-NEtFOSAA	86		25 - 150				03/25/24 11:06	03/28/24 05:43	1
d-N-MeFOSA-M	89		10 - 150				03/25/24 11:06	03/28/24 05:43	1
d-N-EtFOSA-M	88		10 - 150				03/25/24 11:06	03/28/24 05:43	1
d7-N-MeFOSE-M	89		10 - 150				03/25/24 11:06	03/28/24 05:43	1
d9-N-EtFOSE-M	94		10 - 150				03/25/24 11:06	03/28/24 05:43	1
M2-4:2 FTS	97		25 - 150				03/25/24 11:06	03/28/24 05:43	1
M2-6:2 FTS	94		25 - 150				03/25/24 11:06	03/28/24 05:43	1
M2-8:2 FTS	115		25 - 150				03/25/24 11:06	03/28/24 05:43	1
13C3 HFPO-DA	97		25 - 150				03/25/24 11:06	03/28/24 05:43	1

**Client Sample ID: MP-06-(113-145)-202403**

**Lab Sample ID: 320-110670-32**

**Date Collected: 03/19/24 11:30**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorooctanoic acid (PFOA)	<0.86		2.0	0.86	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:06	03/28/24 05:53	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(113-145)-202403**

**Lab Sample ID: 320-110670-32**

Date Collected: 03/19/24 11:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		03/25/24 11:06	03/28/24 05:53	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		03/25/24 11:06	03/28/24 05:53	1
NEtFOSA	<0.88		2.0	0.88	ng/L		03/25/24 11:06	03/28/24 05:53	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:06	03/28/24 05:53	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:06	03/28/24 05:53	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:06	03/28/24 05:53	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:06	03/28/24 05:53	1
NEtFOSE	<0.86		2.0	0.86	ng/L		03/25/24 11:06	03/28/24 05:53	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:53	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:06	03/28/24 05:53	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:06	03/28/24 05:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:06	03/28/24 05:53	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:06	03/28/24 05:53	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 05:53	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 05:53	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	90		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C5 PFPeA	97		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C2 PFHxA	100		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C4 PFHpA	98		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C4 PFOA	98		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C5 PFNA	107		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C2 PFDA	99		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C2 PFUnA	88		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C2 PFDoA	96		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C2 PFTeDA	97		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C3 PFBS	98		25 - 150				03/25/24 11:06	03/28/24 05:53	1
18O2 PFHxS	99		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C4 PFOS	96		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C8 FOSA	106		10 - 150				03/25/24 11:06	03/28/24 05:53	1
d3-NMeFOSAA	80		25 - 150				03/25/24 11:06	03/28/24 05:53	1
d5-NEtFOSAA	100		25 - 150				03/25/24 11:06	03/28/24 05:53	1
d-N-MeFOSA-M	84		10 - 150				03/25/24 11:06	03/28/24 05:53	1
d-N-EtFOSA-M	100		10 - 150				03/25/24 11:06	03/28/24 05:53	1
d7-N-MeFOSE-M	84		10 - 150				03/25/24 11:06	03/28/24 05:53	1
d9-N-EtFOSE-M	98		10 - 150				03/25/24 11:06	03/28/24 05:53	1
M2-4:2 FTS	111		25 - 150				03/25/24 11:06	03/28/24 05:53	1
M2-6:2 FTS	108		25 - 150				03/25/24 11:06	03/28/24 05:53	1
M2-8:2 FTS	132		25 - 150				03/25/24 11:06	03/28/24 05:53	1
13C3 HFPO-DA	99		25 - 150				03/25/24 11:06	03/28/24 05:53	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(73-110)-202403**

**Lab Sample ID: 320-110670-33**

Date Collected: 03/19/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		03/25/24 11:06	03/28/24 06:24	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.68</b>	<b>J</b>	2.2	0.53	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		03/25/24 11:06	03/28/24 06:24	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		03/25/24 11:06	03/28/24 06:24	1
<b>Perfluorooctanesulfonamide (FOSA)</b>	<b>1.1</b>	<b>J</b>	2.2	1.1	ng/L		03/25/24 11:06	03/28/24 06:24	1
NEtFOSA	<0.95		2.2	0.95	ng/L		03/25/24 11:06	03/28/24 06:24	1
NMeFOSA	<0.47		2.2	0.47	ng/L		03/25/24 11:06	03/28/24 06:24	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		03/25/24 11:06	03/28/24 06:24	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		03/25/24 11:06	03/28/24 06:24	1
NMeFOSE	<1.5		4.4	1.5	ng/L		03/25/24 11:06	03/28/24 06:24	1
NEtFOSE	<0.93		2.2	0.93	ng/L		03/25/24 11:06	03/28/24 06:24	1
4:2 FTS	<0.26		2.2	0.26	ng/L		03/25/24 11:06	03/28/24 06:24	1
6:2 FTS	<2.7		5.4	2.7	ng/L		03/25/24 11:06	03/28/24 06:24	1
8:2 FTS	<0.50		2.2	0.50	ng/L		03/25/24 11:06	03/28/24 06:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		03/25/24 11:06	03/28/24 06:24	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		03/25/24 11:06	03/28/24 06:24	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		03/25/24 11:06	03/28/24 06:24	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		03/25/24 11:06	03/28/24 06:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C5 PFPeA	96		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C2 PFHxA	95		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C4 PFHpA	95		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C4 PFOA	98		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C5 PFNA	98		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C2 PFDA	99		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C2 PFUnA	88		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C2 PFDoA	90		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C2 PFTeDA	101		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C3 PFBS	90		25 - 150	03/25/24 11:06	03/28/24 06:24	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(73-110)-202403**

**Lab Sample ID: 320-110670-33**

Date Collected: 03/19/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	96		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C4 PFOS	92		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C8 FOSA	100		10 - 150	03/25/24 11:06	03/28/24 06:24	1
d3-NMeFOSAA	90		25 - 150	03/25/24 11:06	03/28/24 06:24	1
d5-NEtFOSAA	88		25 - 150	03/25/24 11:06	03/28/24 06:24	1
d-N-MeFOSA-M	87		10 - 150	03/25/24 11:06	03/28/24 06:24	1
d-N-EtFOSA-M	86		10 - 150	03/25/24 11:06	03/28/24 06:24	1
d7-N-MeFOSE-M	93		10 - 150	03/25/24 11:06	03/28/24 06:24	1
d9-N-EtFOSE-M	97		10 - 150	03/25/24 11:06	03/28/24 06:24	1
M2-4:2 FTS	86		25 - 150	03/25/24 11:06	03/28/24 06:24	1
M2-6:2 FTS	97		25 - 150	03/25/24 11:06	03/28/24 06:24	1
M2-8:2 FTS	107		25 - 150	03/25/24 11:06	03/28/24 06:24	1
13C3 HFPO-DA	100		25 - 150	03/25/24 11:06	03/28/24 06:24	1

**Client Sample ID: MP-06-(36-70)-202403**

**Lab Sample ID: 320-110670-34**

Date Collected: 03/19/24 11:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.4		5.4	2.6	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluoropentanoic acid (PFPeA)	7.3		2.2	0.53	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorohexanoic acid (PFHxA)	4.5		2.2	0.63	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluoroheptanoic acid (PFHpA)	3.7		2.2	0.27	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorooctanoic acid (PFOA)	4.0		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorononanoic acid (PFNA)	0.37	J	2.2	0.29	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.2	0.22	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		04/08/24 04:38	04/09/24 15:43	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		04/08/24 04:38	04/09/24 15:43	1
NEtFOSA	<0.94		2.2	0.94	ng/L		04/08/24 04:38	04/09/24 15:43	1
NMeFOSA	<0.46		2.2	0.46	ng/L		04/08/24 04:38	04/09/24 15:43	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		04/08/24 04:38	04/09/24 15:43	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		04/08/24 04:38	04/09/24 15:43	1
NMeFOSE	<1.5		4.3	1.5	ng/L		04/08/24 04:38	04/09/24 15:43	1
NEtFOSE	<0.92		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 15:43	1
4:2 FTS	<0.26		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 15:43	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(36-70)-202403**

**Lab Sample ID: 320-110670-34**

Date Collected: 03/19/24 11:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.7		5.4	2.7	ng/L		04/08/24 04:38	04/09/24 15:43	1
8:2 FTS	<0.50		2.2	0.50	ng/L		04/08/24 04:38	04/09/24 15:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		04/08/24 04:38	04/09/24 15:43	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		04/08/24 04:38	04/09/24 15:43	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 15:43	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		04/08/24 04:38	04/09/24 15:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C5 PFPeA	90		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C2 PFHxA	92		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C4 PFHpA	102		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C4 PFOA	99		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C5 PFNA	99		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C2 PFDA	103		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C2 PFUnA	98		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C2 PFDoA	97		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C2 PFTeDA	101		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C3 PFBS	97		25 - 150				04/08/24 04:38	04/09/24 15:43	1
18O2 PFHxS	99		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C4 PFOS	100		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C8 FOSA	94		10 - 150				04/08/24 04:38	04/09/24 15:43	1
d3-NMeFOSAA	108		25 - 150				04/08/24 04:38	04/09/24 15:43	1
d5-NEtFOSAA	105		25 - 150				04/08/24 04:38	04/09/24 15:43	1
d-N-MeFOSA-M	89		10 - 150				04/08/24 04:38	04/09/24 15:43	1
d-N-EtFOSA-M	88		10 - 150				04/08/24 04:38	04/09/24 15:43	1
d7-N-MeFOSE-M	87		10 - 150				04/08/24 04:38	04/09/24 15:43	1
d9-N-EtFOSE-M	81		10 - 150				04/08/24 04:38	04/09/24 15:43	1
M2-4:2 FTS	100		25 - 150				04/08/24 04:38	04/09/24 15:43	1
M2-6:2 FTS	90		25 - 150				04/08/24 04:38	04/09/24 15:43	1
M2-8:2 FTS	100		25 - 150				04/08/24 04:38	04/09/24 15:43	1
13C3 HFPO-DA	96		25 - 150				04/08/24 04:38	04/09/24 15:43	1

**Client Sample ID: MP-06-(21-33)-202403**

**Lab Sample ID: 320-110670-35**

Date Collected: 03/19/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	120		5.8	2.8	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluoropentanoic acid (PFPeA)	310		2.3	0.57	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorohexanoic acid (PFHxA)	230		2.3	0.67	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluoroheptanoic acid (PFHpA)	190		2.3	0.29	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorooctanoic acid (PFOA)	160		2.3	0.98	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorononanoic acid (PFNA)	8.9		2.3	0.31	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		04/08/24 04:38	04/09/24 15:55	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(21-33)-202403**

**Lab Sample ID: 320-110670-35**

Date Collected: 03/19/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>1.3</b>	<b>J</b>	2.3	0.23	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 15:55	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 15:55	1
NEtFOSA	<1.0		2.3	1.0	ng/L		04/08/24 04:38	04/09/24 15:55	1
NMeFOSA	<0.50		2.3	0.50	ng/L		04/08/24 04:38	04/09/24 15:55	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		04/08/24 04:38	04/09/24 15:55	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		04/08/24 04:38	04/09/24 15:55	1
NMeFOSE	<1.6		4.6	1.6	ng/L		04/08/24 04:38	04/09/24 15:55	1
NEtFOSE	<0.98		2.3	0.98	ng/L		04/08/24 04:38	04/09/24 15:55	1
4:2 FTS	<0.28		2.3	0.28	ng/L		04/08/24 04:38	04/09/24 15:55	1
6:2 FTS	<2.9		5.8	2.9	ng/L		04/08/24 04:38	04/09/24 15:55	1
8:2 FTS	<0.53		2.3	0.53	ng/L		04/08/24 04:38	04/09/24 15:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		04/08/24 04:38	04/09/24 15:55	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		04/08/24 04:38	04/09/24 15:55	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		04/08/24 04:38	04/09/24 15:55	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		04/08/24 04:38	04/09/24 15:55	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	88		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C5 PFPeA	88		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C2 PFHxA	93		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C4 PFHpA	100		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C4 PFOA	94		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C5 PFNA	97		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C2 PFDA	99		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C2 PFUnA	90		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C2 PFDoA	96		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C2 PFTeDA	98		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C3 PFBS	97		25 - 150				04/08/24 04:38	04/09/24 15:55	1
18O2 PFHxS	92		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C4 PFOS	95		25 - 150				04/08/24 04:38	04/09/24 15:55	1
13C8 FOSA	91		10 - 150				04/08/24 04:38	04/09/24 15:55	1
d3-NMeFOSAA	102		25 - 150				04/08/24 04:38	04/09/24 15:55	1
d5-NEtFOSAA	102		25 - 150				04/08/24 04:38	04/09/24 15:55	1
d-N-MeFOSA-M	84		10 - 150				04/08/24 04:38	04/09/24 15:55	1
d-N-EtFOSA-M	90		10 - 150				04/08/24 04:38	04/09/24 15:55	1
d7-N-MeFOSE-M	85		10 - 150				04/08/24 04:38	04/09/24 15:55	1
d9-N-EtFOSE-M	82		10 - 150				04/08/24 04:38	04/09/24 15:55	1
M2-4:2 FTS	97		25 - 150				04/08/24 04:38	04/09/24 15:55	1
M2-6:2 FTS	91		25 - 150				04/08/24 04:38	04/09/24 15:55	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(21-33)-202403**

**Lab Sample ID: 320-110670-35**

Date Collected: 03/19/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	93		25 - 150	04/08/24 04:38	04/09/24 15:55	1
13C3 HFPO-DA	87		25 - 150	04/08/24 04:38	04/09/24 15:55	1

**Client Sample ID: MP-07-(220-258)-202403**

**Lab Sample ID: 320-110670-36**

Date Collected: 03/18/24 12:45

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.1	0.53	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		04/08/24 04:38	04/09/24 16:08	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.1	1.1	ng/L		04/08/24 04:38	04/09/24 16:08	1
NEtFOSA	<0.93		2.1	0.93	ng/L		04/08/24 04:38	04/09/24 16:08	1
NMeFOSA	<0.46		2.1	0.46	ng/L		04/08/24 04:38	04/09/24 16:08	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		04/08/24 04:38	04/09/24 16:08	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		04/08/24 04:38	04/09/24 16:08	1
NMeFOSE	<1.5		4.3	1.5	ng/L		04/08/24 04:38	04/09/24 16:08	1
NEtFOSE	<0.91		2.1	0.91	ng/L		04/08/24 04:38	04/09/24 16:08	1
4:2 FTS	<0.26		2.1	0.26	ng/L		04/08/24 04:38	04/09/24 16:08	1
6:2 FTS	<2.7		5.4	2.7	ng/L		04/08/24 04:38	04/09/24 16:08	1
8:2 FTS	<0.49		2.1	0.49	ng/L		04/08/24 04:38	04/09/24 16:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		04/08/24 04:38	04/09/24 16:08	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		04/08/24 04:38	04/09/24 16:08	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		04/08/24 04:38	04/09/24 16:08	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		04/08/24 04:38	04/09/24 16:08	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	79		25 - 150	04/08/24 04:38	04/09/24 16:08	1			
13C5 PFPeA	81		25 - 150	04/08/24 04:38	04/09/24 16:08	1			
13C2 PFHxA	93		25 - 150	04/08/24 04:38	04/09/24 16:08	1			
13C4 PFHpA	100		25 - 150	04/08/24 04:38	04/09/24 16:08	1			

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(220-258)-202403**

**Lab Sample ID: 320-110670-36**

Date Collected: 03/18/24 12:45

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	97		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C5 PFNA	91		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C2 PFDA	101		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C2 PFUnA	92		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C2 PFDoA	93		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C2 PFTeDA	96		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C3 PFBS	90		25 - 150	04/08/24 04:38	04/09/24 16:08	1
18O2 PFHxS	90		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C4 PFOS	94		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C8 FOSA	89		10 - 150	04/08/24 04:38	04/09/24 16:08	1
d3-NMeFOSAA	104		25 - 150	04/08/24 04:38	04/09/24 16:08	1
d5-NEtFOSAA	101		25 - 150	04/08/24 04:38	04/09/24 16:08	1
d-N-MeFOSA-M	85		10 - 150	04/08/24 04:38	04/09/24 16:08	1
d-N-EtFOSA-M	90		10 - 150	04/08/24 04:38	04/09/24 16:08	1
d7-N-MeFOSE-M	85		10 - 150	04/08/24 04:38	04/09/24 16:08	1
d9-N-EtFOSE-M	81		10 - 150	04/08/24 04:38	04/09/24 16:08	1
M2-4:2 FTS	96		25 - 150	04/08/24 04:38	04/09/24 16:08	1
M2-6:2 FTS	86		25 - 150	04/08/24 04:38	04/09/24 16:08	1
M2-8:2 FTS	94		25 - 150	04/08/24 04:38	04/09/24 16:08	1
13C3 HFPO-DA	87		25 - 150	04/08/24 04:38	04/09/24 16:08	1

**Client Sample ID: MP-07-(195-217)-202403**

**Lab Sample ID: 320-110670-37**

Date Collected: 03/18/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		04/08/24 04:38	04/09/24 16:20	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		04/08/24 04:38	04/09/24 16:20	1
NEtFOSA	<0.86		2.0	0.86	ng/L		04/08/24 04:38	04/09/24 16:20	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(195-217)-202403**

**Lab Sample ID: 320-110670-37**

Date Collected: 03/18/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		04/08/24 04:38	04/09/24 16:20	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/08/24 04:38	04/09/24 16:20	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/08/24 04:38	04/09/24 16:20	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/08/24 04:38	04/09/24 16:20	1
NEtFOSE	<0.84		2.0	0.84	ng/L		04/08/24 04:38	04/09/24 16:20	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 16:20	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/08/24 04:38	04/09/24 16:20	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/08/24 04:38	04/09/24 16:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/08/24 04:38	04/09/24 16:20	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/08/24 04:38	04/09/24 16:20	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 16:20	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 16:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C5 PFPeA	90		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C2 PFHxA	95		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C4 PFHpA	100		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C4 PFOA	100		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C5 PFNA	99		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C2 PFDA	101		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C2 PFUnA	94		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C2 PFDoA	96		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C2 PFTeDA	99		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C3 PFBS	94		25 - 150				04/08/24 04:38	04/09/24 16:20	1
18O2 PFHxS	90		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C4 PFOS	95		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C8 FOSA	93		10 - 150				04/08/24 04:38	04/09/24 16:20	1
d3-NMeFOSAA	105		25 - 150				04/08/24 04:38	04/09/24 16:20	1
d5-NEtFOSAA	106		25 - 150				04/08/24 04:38	04/09/24 16:20	1
d-N-MeFOSA-M	88		10 - 150				04/08/24 04:38	04/09/24 16:20	1
d-N-EtFOSA-M	90		10 - 150				04/08/24 04:38	04/09/24 16:20	1
d7-N-MeFOSE-M	86		10 - 150				04/08/24 04:38	04/09/24 16:20	1
d9-N-EtFOSE-M	81		10 - 150				04/08/24 04:38	04/09/24 16:20	1
M2-4:2 FTS	92		25 - 150				04/08/24 04:38	04/09/24 16:20	1
M2-6:2 FTS	92		25 - 150				04/08/24 04:38	04/09/24 16:20	1
M2-8:2 FTS	94		25 - 150				04/08/24 04:38	04/09/24 16:20	1
13C3 HFPO-DA	90		25 - 150				04/08/24 04:38	04/09/24 16:20	1

**Client Sample ID: MP-07-(155-192)-202403**

**Lab Sample ID: 320-110670-38**

Date Collected: 03/18/24 13:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	30		5.0	2.4	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluoropentanoic acid (PFPeA)	120		2.0	0.49	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorohexanoic acid (PFHxA)	82		2.0	0.59	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorooctanoic acid (PFOA)	24		2.0	0.86	ng/L		04/08/24 04:38	04/09/24 16:32	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(155-192)-202403**

**Lab Sample ID: 320-110670-38**

Date Collected: 03/18/24 13:25

Matrix: Water

Date Received: 03/21/24 09:30

**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>1.3</b>	<b>J</b>	2.0	0.27	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		04/08/24 04:38	04/09/24 16:32	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		04/08/24 04:38	04/09/24 16:32	1
NEtFOSA	<0.88		2.0	0.88	ng/L		04/08/24 04:38	04/09/24 16:32	1
NMeFOSA	<0.43		2.0	0.43	ng/L		04/08/24 04:38	04/09/24 16:32	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/08/24 04:38	04/09/24 16:32	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/08/24 04:38	04/09/24 16:32	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/08/24 04:38	04/09/24 16:32	1
NEtFOSE	<0.86		2.0	0.86	ng/L		04/08/24 04:38	04/09/24 16:32	1
<b>4:2 FTS</b>	<b>4.1</b>		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 16:32	1
<b>6:2 FTS</b>	<b>330</b>		5.0	2.5	ng/L		04/08/24 04:38	04/09/24 16:32	1
<b>8:2 FTS</b>	<b>8.1</b>		2.0	0.46	ng/L		04/08/24 04:38	04/09/24 16:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/08/24 04:38	04/09/24 16:32	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/08/24 04:38	04/09/24 16:32	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 16:32	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 16:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C5 PFPeA	85		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C2 PFHxA	98		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C4 PFHpA	101		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C4 PFOA	93		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C5 PFNA	92		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C2 PFDA	98		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C2 PFUnA	90		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C2 PFDoA	82		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C2 PFTeDA	90		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C3 PFBS	89		25 - 150	04/08/24 04:38	04/09/24 16:32	1
18O2 PFHxS	94		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C4 PFOS	97		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C8 FOSA	88		10 - 150	04/08/24 04:38	04/09/24 16:32	1
d3-NMeFOSAA	63		25 - 150	04/08/24 04:38	04/09/24 16:32	1
d5-NEtFOSAA	75		25 - 150	04/08/24 04:38	04/09/24 16:32	1
d-N-MeFOSA-M	77		10 - 150	04/08/24 04:38	04/09/24 16:32	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(155-192)-202403**

**Lab Sample ID: 320-110670-38**

Date Collected: 03/18/24 13:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	28		10 - 150	04/08/24 04:38	04/09/24 16:32	1
d7-N-MeFOSE-M	89		10 - 150	04/08/24 04:38	04/09/24 16:32	1
d9-N-EtFOSE-M	54		10 - 150	04/08/24 04:38	04/09/24 16:32	1
M2-4:2 FTS	99		25 - 150	04/08/24 04:38	04/09/24 16:32	1
M2-6:2 FTS	85		25 - 150	04/08/24 04:38	04/09/24 16:32	1
M2-8:2 FTS	102		25 - 150	04/08/24 04:38	04/09/24 16:32	1
13C3 HFPO-DA	83		25 - 150	04/08/24 04:38	04/09/24 16:32	1

**Client Sample ID: MP-07-(115-152)-202403**

**Lab Sample ID: 320-110670-39**

Date Collected: 03/18/24 13:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	62		5.4	2.6	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluoropentanoic acid (PFPeA)	240		2.2	0.53	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorohexanoic acid (PFHxA)	170		2.2	0.63	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluoroheptanoic acid (PFHpA)	50		2.2	0.27	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorooctanoic acid (PFOA)	52		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorononanoic acid (PFNA)	2.9		2.2	0.29	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorobutanesulfonic acid (PFBS)	0.34	J	2.2	0.22	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.2	0.62	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		04/08/24 04:38	04/09/24 16:45	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		04/08/24 04:38	04/09/24 16:45	1
NEtFOSA	<0.94		2.2	0.94	ng/L		04/08/24 04:38	04/09/24 16:45	1
NMeFOSA	<0.47		2.2	0.47	ng/L		04/08/24 04:38	04/09/24 16:45	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		04/08/24 04:38	04/09/24 16:45	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		04/08/24 04:38	04/09/24 16:45	1
NMeFOSE	<1.5		4.3	1.5	ng/L		04/08/24 04:38	04/09/24 16:45	1
NEtFOSE	<0.92		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 16:45	1
4:2 FTS	11		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 16:45	1
8:2 FTS	21		2.2	0.50	ng/L		04/08/24 04:38	04/09/24 16:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		04/08/24 04:38	04/09/24 16:45	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		04/08/24 04:38	04/09/24 16:45	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 16:45	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(115-152)-202403**

**Lab Sample ID: 320-110670-39**

Date Collected: 03/18/24 13:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		04/08/24 04:38	04/09/24 16:45	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C5 PFPeA	87		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C2 PFHxA	96		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C4 PFHpA	101		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C4 PFOA	98		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C5 PFNA	100		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C2 PFDA	103		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C2 PFUnA	96		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C2 PFDoA	93		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C2 PFTeDA	96		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C3 PFBS	96		25 - 150				04/08/24 04:38	04/09/24 16:45	1
18O2 PFHxS	93		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C4 PFOS	99		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C8 FOSA	94		10 - 150				04/08/24 04:38	04/09/24 16:45	1
d3-NMeFOSAA	102		25 - 150				04/08/24 04:38	04/09/24 16:45	1
d5-NEtFOSAA	100		25 - 150				04/08/24 04:38	04/09/24 16:45	1
d-N-MeFOSA-M	89		10 - 150				04/08/24 04:38	04/09/24 16:45	1
d-N-EtFOSA-M	85		10 - 150				04/08/24 04:38	04/09/24 16:45	1
d7-N-MeFOSE-M	82		10 - 150				04/08/24 04:38	04/09/24 16:45	1
d9-N-EtFOSE-M	76		10 - 150				04/08/24 04:38	04/09/24 16:45	1
M2-4:2 FTS	101		25 - 150				04/08/24 04:38	04/09/24 16:45	1
M2-8:2 FTS	101		25 - 150				04/08/24 04:38	04/09/24 16:45	1
13C3 HFPO-DA	86		25 - 150				04/08/24 04:38	04/09/24 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1100		27	14	ng/L		04/08/24 04:38	04/13/24 10:33	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	111		25 - 150				04/08/24 04:38	04/13/24 10:33	5

**Client Sample ID: MP-07-(80-112)-202403**

**Lab Sample ID: 320-110670-40**

Date Collected: 03/18/24 13:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.3	0.55	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.3	0.65	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.3	0.28	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorooctanoic acid (PFOA)	<0.96		2.3	0.96	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorononanoic acid (PFNA)	<0.30		2.3	0.30	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		04/08/24 04:38	04/09/24 17:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(80-112)-202403**

**Lab Sample ID: 320-110670-40**

Date Collected: 03/18/24 13:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>3.1</b>		2.3	0.23	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.3	0.64	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.3	0.61	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 17:22	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 17:22	1
NEtFOSA	<0.98		2.3	0.98	ng/L		04/08/24 04:38	04/09/24 17:22	1
NMeFOSA	<0.49		2.3	0.49	ng/L		04/08/24 04:38	04/09/24 17:22	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		04/08/24 04:38	04/09/24 17:22	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		04/08/24 04:38	04/09/24 17:22	1
NMeFOSE	<1.6		4.5	1.6	ng/L		04/08/24 04:38	04/09/24 17:22	1
<b>NEtFOSE</b>	<b>1.1 J</b>		2.3	0.96	ng/L		04/08/24 04:38	04/09/24 17:22	1
4:2 FTS	<0.27		2.3	0.27	ng/L		04/08/24 04:38	04/09/24 17:22	1
6:2 FTS	<2.8		5.6	2.8	ng/L		04/08/24 04:38	04/09/24 17:22	1
8:2 FTS	<0.52		2.3	0.52	ng/L		04/08/24 04:38	04/09/24 17:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		04/08/24 04:38	04/09/24 17:22	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		04/08/24 04:38	04/09/24 17:22	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		04/08/24 04:38	04/09/24 17:22	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		04/08/24 04:38	04/09/24 17:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C5 PFPeA	93		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C2 PFHxA	93		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C4 PFHpA	101		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C4 PFOA	98		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C5 PFNA	96		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C2 PFDA	101		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C2 PFUnA	92		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C2 PFDoA	95		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C2 PFTeDA	98		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C3 PFBS	96		25 - 150	04/08/24 04:38	04/09/24 17:22	1
18O2 PFHxS	96		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C4 PFOS	97		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C8 FOSA	92		10 - 150	04/08/24 04:38	04/09/24 17:22	1
d3-NMeFOSAA	100		25 - 150	04/08/24 04:38	04/09/24 17:22	1
d5-NEtFOSAA	106		25 - 150	04/08/24 04:38	04/09/24 17:22	1
d-N-MeFOSA-M	86		10 - 150	04/08/24 04:38	04/09/24 17:22	1
d-N-EtFOSA-M	92		10 - 150	04/08/24 04:38	04/09/24 17:22	1
d7-N-MeFOSE-M	84		10 - 150	04/08/24 04:38	04/09/24 17:22	1
d9-N-EtFOSE-M	85		10 - 150	04/08/24 04:38	04/09/24 17:22	1
M2-4:2 FTS	101		25 - 150	04/08/24 04:38	04/09/24 17:22	1
M2-6:2 FTS	90		25 - 150	04/08/24 04:38	04/09/24 17:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(80-112)-202403**

**Lab Sample ID: 320-110670-40**

Date Collected: 03/18/24 13:55

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	88		25 - 150	04/08/24 04:38	04/09/24 17:22	1
13C3 HFPO-DA	88		25 - 150	04/08/24 04:38	04/09/24 17:22	1

**Client Sample ID: MP-07-(48-77)-202403**

**Lab Sample ID: 320-110670-41**

Date Collected: 03/18/24 14:10

Matrix: Water

Date Received: 03/21/24 09:30

**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		04/08/24 04:38	04/09/24 17:34	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.98</b>	<b>J</b>	2.5	0.61	ng/L		04/08/24 04:38	04/09/24 17:34	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.83</b>	<b>J</b>	2.5	0.72	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorooctanoic acid (PFOA)	<1.1		2.5	1.1	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorononanoic acid (PFNA)	<0.34		2.5	0.34	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorodecanoic acid (PFDA)	<0.39		2.5	0.39	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.6		2.5	1.6	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.91		2.5	0.91	ng/L		04/08/24 04:38	04/09/24 17:34	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>2.7</b>		2.5	0.25	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.71		2.5	0.71	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.40		2.5	0.40	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		04/08/24 04:38	04/09/24 17:34	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		04/08/24 04:38	04/09/24 17:34	1
NEtFOSA	<1.1		2.5	1.1	ng/L		04/08/24 04:38	04/09/24 17:34	1
NMeFOSA	<0.54		2.5	0.54	ng/L		04/08/24 04:38	04/09/24 17:34	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		04/08/24 04:38	04/09/24 17:34	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		04/08/24 04:38	04/09/24 17:34	1
NMeFOSE	<1.7		5.0	1.7	ng/L		04/08/24 04:38	04/09/24 17:34	1
NEtFOSE	<1.1		2.5	1.1	ng/L		04/08/24 04:38	04/09/24 17:34	1
4:2 FTS	<0.30		2.5	0.30	ng/L		04/08/24 04:38	04/09/24 17:34	1
<b>6:2 FTS</b>	<b>3.7</b>	<b>J</b>	6.2	3.1	ng/L		04/08/24 04:38	04/09/24 17:34	1
8:2 FTS	<0.57		2.5	0.57	ng/L		04/08/24 04:38	04/09/24 17:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.50		2.5	0.50	ng/L		04/08/24 04:38	04/09/24 17:34	1
HFPO-DA (GenX)	<1.9		5.0	1.9	ng/L		04/08/24 04:38	04/09/24 17:34	1
9Cl-PF3ONS	<0.30		2.5	0.30	ng/L		04/08/24 04:38	04/09/24 17:34	1
11Cl-PF3OUdS	<0.40		2.5	0.40	ng/L		04/08/24 04:38	04/09/24 17:34	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	84		25 - 150	04/08/24 04:38	04/09/24 17:34	1			
13C5 PFPeA	91		25 - 150	04/08/24 04:38	04/09/24 17:34	1			
13C2 PFHxA	102		25 - 150	04/08/24 04:38	04/09/24 17:34	1			

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(48-77)-202403**

**Lab Sample ID: 320-110670-41**

Date Collected: 03/18/24 14:10

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	99		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C4 PFOA	98		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C5 PFNA	98		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C2 PFDA	102		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C2 PFUnA	98		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C2 PFDoA	97		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C2 PFTeDA	102		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C3 PFBS	94		25 - 150	04/08/24 04:38	04/09/24 17:34	1
18O2 PFHxS	94		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C4 PFOS	97		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C8 FOSA	93		10 - 150	04/08/24 04:38	04/09/24 17:34	1
d3-NMeFOSAA	106		25 - 150	04/08/24 04:38	04/09/24 17:34	1
d5-NEtFOSAA	104		25 - 150	04/08/24 04:38	04/09/24 17:34	1
d-N-MeFOSA-M	93		10 - 150	04/08/24 04:38	04/09/24 17:34	1
d-N-EtFOSA-M	91		10 - 150	04/08/24 04:38	04/09/24 17:34	1
d7-N-MeFOSE-M	88		10 - 150	04/08/24 04:38	04/09/24 17:34	1
d9-N-EtFOSE-M	84		10 - 150	04/08/24 04:38	04/09/24 17:34	1
M2-4:2 FTS	103		25 - 150	04/08/24 04:38	04/09/24 17:34	1
M2-6:2 FTS	92		25 - 150	04/08/24 04:38	04/09/24 17:34	1
M2-8:2 FTS	95		25 - 150	04/08/24 04:38	04/09/24 17:34	1
13C3 HFPO-DA	89		25 - 150	04/08/24 04:38	04/09/24 17:34	1

**Client Sample ID: MP-08-(220-246)-202403**

**Lab Sample ID: 320-110670-42**

Date Collected: 03/18/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.3	0.55	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.3	0.65	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.3	0.28	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorooctanoic acid (PFOA)	<0.96		2.3	0.96	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorononanoic acid (PFNA)	<0.30		2.3	0.30	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.3	0.64	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.3	0.61	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 17:46	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		04/08/24 04:38	04/09/24 17:46	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(220-246)-202403**

**Lab Sample ID: 320-110670-42**

Date Collected: 03/18/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.98		2.3	0.98	ng/L		04/08/24 04:38	04/09/24 17:46	1
NMeFOSA	<0.49		2.3	0.49	ng/L		04/08/24 04:38	04/09/24 17:46	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		04/08/24 04:38	04/09/24 17:46	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		04/08/24 04:38	04/09/24 17:46	1
NMeFOSE	<1.6		4.5	1.6	ng/L		04/08/24 04:38	04/09/24 17:46	1
NEtFOSE	<0.96		2.3	0.96	ng/L		04/08/24 04:38	04/09/24 17:46	1
4:2 FTS	<0.27		2.3	0.27	ng/L		04/08/24 04:38	04/09/24 17:46	1
6:2 FTS	<2.8		5.6	2.8	ng/L		04/08/24 04:38	04/09/24 17:46	1
8:2 FTS	<0.52		2.3	0.52	ng/L		04/08/24 04:38	04/09/24 17:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		04/08/24 04:38	04/09/24 17:46	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		04/08/24 04:38	04/09/24 17:46	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		04/08/24 04:38	04/09/24 17:46	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		04/08/24 04:38	04/09/24 17:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C5 PFPeA	84		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C2 PFHxA	98		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C4 PFHpA	96		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C4 PFOA	93		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C5 PFNA	91		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C2 PFDA	95		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C2 PFUnA	90		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C2 PFDoA	92		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C2 PFTeDA	94		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C3 PFBS	88		25 - 150				04/08/24 04:38	04/09/24 17:46	1
18O2 PFHxS	92		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C4 PFOS	91		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C8 FOSA	89		10 - 150				04/08/24 04:38	04/09/24 17:46	1
d3-NMeFOSAA	100		25 - 150				04/08/24 04:38	04/09/24 17:46	1
d5-NEtFOSAA	98		25 - 150				04/08/24 04:38	04/09/24 17:46	1
d-N-MeFOSA-M	82		10 - 150				04/08/24 04:38	04/09/24 17:46	1
d-N-EtFOSA-M	86		10 - 150				04/08/24 04:38	04/09/24 17:46	1
d7-N-MeFOSE-M	79		10 - 150				04/08/24 04:38	04/09/24 17:46	1
d9-N-EtFOSE-M	79		10 - 150				04/08/24 04:38	04/09/24 17:46	1
M2-4:2 FTS	98		25 - 150				04/08/24 04:38	04/09/24 17:46	1
M2-6:2 FTS	86		25 - 150				04/08/24 04:38	04/09/24 17:46	1
M2-8:2 FTS	89		25 - 150				04/08/24 04:38	04/09/24 17:46	1
13C3 HFPO-DA	90		25 - 150				04/08/24 04:38	04/09/24 17:46	1

**Client Sample ID: MP-08-(195-217)-202403**

**Lab Sample ID: 320-110670-43**

Date Collected: 03/18/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		04/08/24 04:38	04/09/24 17:59	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>0.95</b>	<b>J</b>	2.1	0.52	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		04/08/24 04:38	04/09/24 17:59	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(195-217)-202403**

**Lab Sample ID: 320-110670-43**

**Date Collected: 03/18/24 10:35**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		04/08/24 04:38	04/09/24 17:59	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		04/08/24 04:38	04/09/24 17:59	1
NEtFOSA	<0.92		2.1	0.92	ng/L		04/08/24 04:38	04/09/24 17:59	1
NMeFOSA	<0.45		2.1	0.45	ng/L		04/08/24 04:38	04/09/24 17:59	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		04/08/24 04:38	04/09/24 17:59	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		04/08/24 04:38	04/09/24 17:59	1
NMeFOSE	<1.5		4.2	1.5	ng/L		04/08/24 04:38	04/09/24 17:59	1
NEtFOSE	<0.90		2.1	0.90	ng/L		04/08/24 04:38	04/09/24 17:59	1
4:2 FTS	<0.25		2.1	0.25	ng/L		04/08/24 04:38	04/09/24 17:59	1
6:2 FTS	<2.6		5.3	2.6	ng/L		04/08/24 04:38	04/09/24 17:59	1
8:2 FTS	<0.49		2.1	0.49	ng/L		04/08/24 04:38	04/09/24 17:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		04/08/24 04:38	04/09/24 17:59	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		04/08/24 04:38	04/09/24 17:59	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		04/08/24 04:38	04/09/24 17:59	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		04/08/24 04:38	04/09/24 17:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C5 PFPeA	89		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C2 PFHxA	98		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C4 PFHpA	98		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C4 PFOA	96		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C5 PFNA	99		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C2 PFDA	99		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C2 PFUnA	93		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C2 PFDoA	98		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C2 PFTeDA	97		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C3 PFBS	95		25 - 150	04/08/24 04:38	04/09/24 17:59	1
18O2 PFHxS	94		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C4 PFOS	95		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C8 FOSA	90		10 - 150	04/08/24 04:38	04/09/24 17:59	1
d3-NMeFOSAA	103		25 - 150	04/08/24 04:38	04/09/24 17:59	1
d5-NEtFOSAA	100		25 - 150	04/08/24 04:38	04/09/24 17:59	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(195-217)-202403**

**Lab Sample ID: 320-110670-43**

Date Collected: 03/18/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	82		10 - 150	04/08/24 04:38	04/09/24 17:59	1
d-N-EtFOSA-M	85		10 - 150	04/08/24 04:38	04/09/24 17:59	1
d7-N-MeFOSE-M	83		10 - 150	04/08/24 04:38	04/09/24 17:59	1
d9-N-EtFOSE-M	81		10 - 150	04/08/24 04:38	04/09/24 17:59	1
M2-4:2 FTS	100		25 - 150	04/08/24 04:38	04/09/24 17:59	1
M2-6:2 FTS	91		25 - 150	04/08/24 04:38	04/09/24 17:59	1
M2-8:2 FTS	92		25 - 150	04/08/24 04:38	04/09/24 17:59	1
13C3 HFPO-DA	92		25 - 150	04/08/24 04:38	04/09/24 17:59	1

**Client Sample ID: MP-08-(155-192)-202403**

**Lab Sample ID: 320-110670-44**

Date Collected: 03/18/24 11:10

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.7	J	5.0	2.4	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluoropentanoic acid (PFPeA)	1.9	J	2.0	0.49	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorohexanoic acid (PFHxA)	0.68	J	2.0	0.58	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluoroheptanoic acid (PFHpA)	0.34	J	2.0	0.25	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		04/08/24 04:38	04/09/24 18:11	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		04/08/24 04:38	04/09/24 18:11	1
NEtFOSA	<0.87		2.0	0.87	ng/L		04/08/24 04:38	04/09/24 18:11	1
NMeFOSA	<0.43		2.0	0.43	ng/L		04/08/24 04:38	04/09/24 18:11	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/08/24 04:38	04/09/24 18:11	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/08/24 04:38	04/09/24 18:11	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/08/24 04:38	04/09/24 18:11	1
NEtFOSE	<0.85		2.0	0.85	ng/L		04/08/24 04:38	04/09/24 18:11	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 18:11	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/08/24 04:38	04/09/24 18:11	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/08/24 04:38	04/09/24 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/08/24 04:38	04/09/24 18:11	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/08/24 04:38	04/09/24 18:11	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 18:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(155-192)-202403**

**Lab Sample ID: 320-110670-44**

**Date Collected: 03/18/24 11:10**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 18:11	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	81		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C5 PFPeA	88		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C2 PFHxA	100		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C4 PFHpA	100		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C4 PFOA	100		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C5 PFNA	99		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C2 PFDA	98		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C2 PFUnA	96		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C2 PFDoA	92		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C2 PFTeDA	101		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C3 PFBS	90		25 - 150				04/08/24 04:38	04/09/24 18:11	1
18O2 PFHxS	92		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C4 PFOS	97		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C8 FOSA	90		10 - 150				04/08/24 04:38	04/09/24 18:11	1
d3-NMeFOSAA	79		25 - 150				04/08/24 04:38	04/09/24 18:11	1
d5-NEtFOSAA	91		25 - 150				04/08/24 04:38	04/09/24 18:11	1
d-N-MeFOSA-M	87		10 - 150				04/08/24 04:38	04/09/24 18:11	1
d-N-EtFOSA-M	57		10 - 150				04/08/24 04:38	04/09/24 18:11	1
d7-N-MeFOSE-M	84		10 - 150				04/08/24 04:38	04/09/24 18:11	1
d9-N-EtFOSE-M	76		10 - 150				04/08/24 04:38	04/09/24 18:11	1
M2-4:2 FTS	96		25 - 150				04/08/24 04:38	04/09/24 18:11	1
M2-6:2 FTS	94		25 - 150				04/08/24 04:38	04/09/24 18:11	1
M2-8:2 FTS	102		25 - 150				04/08/24 04:38	04/09/24 18:11	1
13C3 HFPO-DA	91		25 - 150				04/08/24 04:38	04/09/24 18:11	1

**Client Sample ID: MP-08-(115-152)-202403**

**Lab Sample ID: 320-110670-45**

**Date Collected: 03/18/24 11:25**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.1	2.5	ng/L		04/08/24 04:38	04/09/24 18:23	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>8.0</b>		2.1	0.50	ng/L		04/08/24 04:38	04/09/24 18:23	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>5.2</b>		2.1	0.60	ng/L		04/08/24 04:38	04/09/24 18:23	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>0.73 J</b>		2.1	0.26	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorooctanoic acid (PFOA)	<0.87		2.1	0.87	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.1	1.3	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		04/08/24 04:38	04/09/24 18:23	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(115-152)-202403**

**Lab Sample ID: 320-110670-45**

**Date Collected: 03/18/24 11:25**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		04/08/24 04:38	04/09/24 18:23	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		04/08/24 04:38	04/09/24 18:23	1
NEtFOSA	<0.89		2.1	0.89	ng/L		04/08/24 04:38	04/09/24 18:23	1
NMeFOSA	<0.44		2.1	0.44	ng/L		04/08/24 04:38	04/09/24 18:23	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		04/08/24 04:38	04/09/24 18:23	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		04/08/24 04:38	04/09/24 18:23	1
NMeFOSE	<1.4		4.1	1.4	ng/L		04/08/24 04:38	04/09/24 18:23	1
NEtFOSE	<0.87		2.1	0.87	ng/L		04/08/24 04:38	04/09/24 18:23	1
4:2 FTS	<0.25		2.1	0.25	ng/L		04/08/24 04:38	04/09/24 18:23	1
6:2 FTS	<2.6		5.1	2.6	ng/L		04/08/24 04:38	04/09/24 18:23	1
8:2 FTS	<0.47		2.1	0.47	ng/L		04/08/24 04:38	04/09/24 18:23	1
4,8-Dioxa-3H-perfluoronanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		04/08/24 04:38	04/09/24 18:23	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		04/08/24 04:38	04/09/24 18:23	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		04/08/24 04:38	04/09/24 18:23	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		04/08/24 04:38	04/09/24 18:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C5 PFPeA	92		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C2 PFHxA	101		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C4 PFHpA	100		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C4 PFOA	98		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C5 PFNA	98		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C2 PFDA	103		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C2 PFUnA	102		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C2 PFDoA	99		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C2 PFTeDA	100		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C3 PFBS	92		25 - 150				04/08/24 04:38	04/09/24 18:23	1
18O2 PFHxS	92		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C4 PFOS	98		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C8 FOSA	93		10 - 150				04/08/24 04:38	04/09/24 18:23	1
d3-NMeFOSAA	108		25 - 150				04/08/24 04:38	04/09/24 18:23	1
d5-NEtFOSAA	106		25 - 150				04/08/24 04:38	04/09/24 18:23	1
d-N-MeFOSA-M	90		10 - 150				04/08/24 04:38	04/09/24 18:23	1
d-N-EtFOSA-M	87		10 - 150				04/08/24 04:38	04/09/24 18:23	1
d7-N-MeFOSE-M	83		10 - 150				04/08/24 04:38	04/09/24 18:23	1
d9-N-EtFOSE-M	83		10 - 150				04/08/24 04:38	04/09/24 18:23	1
M2-4:2 FTS	102		25 - 150				04/08/24 04:38	04/09/24 18:23	1
M2-6:2 FTS	93		25 - 150				04/08/24 04:38	04/09/24 18:23	1
M2-8:2 FTS	96		25 - 150				04/08/24 04:38	04/09/24 18:23	1
13C3 HFPO-DA	89		25 - 150				04/08/24 04:38	04/09/24 18:23	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(80-112)-202403**

**Lab Sample ID: 320-110670-46**

Date Collected: 03/18/24 11:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23		5.4	2.6	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluoropentanoic acid (PFPeA)	76		2.2	0.53	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorohexanoic acid (PFHxA)	41		2.2	0.63	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluoroheptanoic acid (PFHpA)	6.4		2.2	0.27	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorooctanoic acid (PFOA)	<0.92		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorodecanoic acid (PFDA)	<0.33		2.2	0.33	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.2	0.22	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.2	0.61	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.2	0.34	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		04/08/24 04:38	04/09/24 18:36	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		04/08/24 04:38	04/09/24 18:36	1
NETFOSA	<0.94		2.2	0.94	ng/L		04/08/24 04:38	04/09/24 18:36	1
NMeFOSA	<0.46		2.2	0.46	ng/L		04/08/24 04:38	04/09/24 18:36	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		04/08/24 04:38	04/09/24 18:36	1
NETFOSAA	<1.4		5.4	1.4	ng/L		04/08/24 04:38	04/09/24 18:36	1
NMeFOSE	<1.5		4.3	1.5	ng/L		04/08/24 04:38	04/09/24 18:36	1
NETFOSE	<0.92		2.2	0.92	ng/L		04/08/24 04:38	04/09/24 18:36	1
4:2 FTS	2.8		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 18:36	1
6:2 FTS	13		5.4	2.7	ng/L		04/08/24 04:38	04/09/24 18:36	1
8:2 FTS	<0.50		2.2	0.50	ng/L		04/08/24 04:38	04/09/24 18:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		04/08/24 04:38	04/09/24 18:36	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		04/08/24 04:38	04/09/24 18:36	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		04/08/24 04:38	04/09/24 18:36	1
11CI-PF3OUdS	<0.34		2.2	0.34	ng/L		04/08/24 04:38	04/09/24 18:36	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	89		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C5 PFPeA	95		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C2 PFHxA	98		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C4 PFHpA	104		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C4 PFOA	101		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C5 PFNA	99		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C2 PFDA	103		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C2 PFUnA	95		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C2 PFDoA	98		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C2 PFTeDA	94		25 - 150				04/08/24 04:38	04/09/24 18:36	1
13C3 PFBS	94		25 - 150				04/08/24 04:38	04/09/24 18:36	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

Client Sample ID: MP-08-(80-112)-202403

Lab Sample ID: 320-110670-46

Date Collected: 03/18/24 11:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	91		25 - 150	04/08/24 04:38	04/09/24 18:36	1
13C4 PFOS	98		25 - 150	04/08/24 04:38	04/09/24 18:36	1
13C8 FOSA	96		10 - 150	04/08/24 04:38	04/09/24 18:36	1
d3-NMeFOSAA	104		25 - 150	04/08/24 04:38	04/09/24 18:36	1
d5-NEtFOSAA	112		25 - 150	04/08/24 04:38	04/09/24 18:36	1
d-N-MeFOSA-M	88		10 - 150	04/08/24 04:38	04/09/24 18:36	1
d-N-EtFOSA-M	89		10 - 150	04/08/24 04:38	04/09/24 18:36	1
d7-N-MeFOSE-M	87		10 - 150	04/08/24 04:38	04/09/24 18:36	1
d9-N-EtFOSE-M	76		10 - 150	04/08/24 04:38	04/09/24 18:36	1
M2-4:2 FTS	97		25 - 150	04/08/24 04:38	04/09/24 18:36	1
M2-6:2 FTS	90		25 - 150	04/08/24 04:38	04/09/24 18:36	1
M2-8:2 FTS	95		25 - 150	04/08/24 04:38	04/09/24 18:36	1
13C3 HFPO-DA	89		25 - 150	04/08/24 04:38	04/09/24 18:36	1

Client Sample ID: MP-08-(48-77)-202403

Lab Sample ID: 320-110670-47

Date Collected: 03/18/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>3.4</b>	<b>J</b>	6.2	3.0	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluoropentanoic acid (PFPeA)	<0.61		2.5	0.61	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorohexanoic acid (PFHxA)	<0.72		2.5	0.72	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluoroheptanoic acid (PFHpA)	<0.31		2.5	0.31	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorooctanoic acid (PFOA)	<1.1		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorononanoic acid (PFNA)	<0.33		2.5	0.33	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorodecanoic acid (PFDA)	<0.38		2.5	0.38	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorododecanoic acid (PFDoA)	<0.68		2.5	0.68	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.90		2.5	0.90	ng/L		03/25/24 11:06	03/28/24 06:34	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>4.4</b>		2.5	0.25	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.5	0.37	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.71		2.5	0.71	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.67		2.5	0.67	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorononanesulfonic acid (PFNS)	<0.46		2.5	0.46	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.40		2.5	0.40	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		03/25/24 11:06	03/28/24 06:34	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		03/25/24 11:06	03/28/24 06:34	1
NEtFOSA	<1.1		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 06:34	1
NMeFOSA	<0.53		2.5	0.53	ng/L		03/25/24 11:06	03/28/24 06:34	1
NMeFOSAA	<1.5		6.2	1.5	ng/L		03/25/24 11:06	03/28/24 06:34	1
NEtFOSAA	<1.6		6.2	1.6	ng/L		03/25/24 11:06	03/28/24 06:34	1
NMeFOSE	<1.7		5.0	1.7	ng/L		03/25/24 11:06	03/28/24 06:34	1
NEtFOSE	<1.1		2.5	1.1	ng/L		03/25/24 11:06	03/28/24 06:34	1
4:2 FTS	<0.30		2.5	0.30	ng/L		03/25/24 11:06	03/28/24 06:34	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(48-77)-202403**

**Lab Sample ID: 320-110670-47**

Date Collected: 03/18/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<3.1		6.2	3.1	ng/L		03/25/24 11:06	03/28/24 06:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.50		2.5	0.50	ng/L		03/25/24 11:06	03/28/24 06:34	1
HFPO-DA (GenX)	<1.9		5.0	1.9	ng/L		03/25/24 11:06	03/28/24 06:34	1
9CI-PF3ONS	<0.30		2.5	0.30	ng/L		03/25/24 11:06	03/28/24 06:34	1
11CI-PF3OUdS	<0.40		2.5	0.40	ng/L		03/25/24 11:06	03/28/24 06:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C5 PFPeA	95		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C2 PFHxA	98		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C4 PFHpA	95		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C4 PFOA	93		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C5 PFNA	101		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C2 PFDA	106		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C2 PFUnA	84		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C2 PFDoA	95		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C2 PFTeDA	96		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C3 PFBS	89		25 - 150				03/25/24 11:06	03/28/24 06:34	1
18O2 PFHxS	96		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C4 PFOS	98		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C8 FOSA	101		10 - 150				03/25/24 11:06	03/28/24 06:34	1
d3-NMeFOSAA	65		25 - 150				03/25/24 11:06	03/28/24 06:34	1
d5-NEtFOSAA	93		25 - 150				03/25/24 11:06	03/28/24 06:34	1
d-N-MeFOSA-M	69		10 - 150				03/25/24 11:06	03/28/24 06:34	1
d-N-EtFOSA-M	95		10 - 150				03/25/24 11:06	03/28/24 06:34	1
d7-N-MeFOSE-M	68		10 - 150				03/25/24 11:06	03/28/24 06:34	1
d9-N-EtFOSE-M	101		10 - 150				03/25/24 11:06	03/28/24 06:34	1
M2-4:2 FTS	102		25 - 150				03/25/24 11:06	03/28/24 06:34	1
M2-6:2 FTS	92		25 - 150				03/25/24 11:06	03/28/24 06:34	1
13C3 HFPO-DA	98		25 - 150				03/25/24 11:06	03/28/24 06:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.57		2.5	0.57	ng/L		03/25/24 11:06	03/29/24 19:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-8:2 FTS	150		25 - 150				03/25/24 11:06	03/29/24 19:21	1

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

**Lab Sample ID: 320-110670-48**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:06	03/28/24 06:44	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-48**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:06	03/28/24 06:44	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:06	03/28/24 06:44	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:06	03/28/24 06:44	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:06	03/28/24 06:44	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:06	03/28/24 06:44	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:06	03/28/24 06:44	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:06	03/28/24 06:44	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 06:44	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 06:44	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:06	03/28/24 06:44	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:06	03/28/24 06:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:06	03/28/24 06:44	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:06	03/28/24 06:44	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 06:44	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 06:44	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				03/25/24 11:06	03/28/24 06:44	1
13C5 PFPeA	89		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C2 PFHxA	92		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C4 PFHpA	93		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C4 PFOA	97		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C5 PFNA	96		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C2 PFDA	103		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C2 PFUnA	87		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C2 PFDoA	90		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C2 PFTeDA	94		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C3 PFBS	85		25 - 150				03/25/24 11:06	03/28/24 06:44	1
18O2 PFHxS	90		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C4 PFOS	89		25 - 150				03/25/24 11:06	03/28/24 06:44	1
13C8 FOSA	95		10 - 150				03/25/24 11:06	03/28/24 06:44	1
d3-NMeFOSAA	81		25 - 150				03/25/24 11:06	03/28/24 06:44	1
d5-NEtFOSAA	80		25 - 150				03/25/24 11:06	03/28/24 06:44	1
d-N-MeFOSA-M	80		10 - 150				03/25/24 11:06	03/28/24 06:44	1
d-N-EtFOSA-M	82		10 - 150				03/25/24 11:06	03/28/24 06:44	1
d7-N-MeFOSE-M	81		10 - 150				03/25/24 11:06	03/28/24 06:44	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-48**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	93		10 - 150	03/25/24 11:06	03/28/24 06:44	1
M2-4:2 FTS	90		25 - 150	03/25/24 11:06	03/28/24 06:44	1
M2-6:2 FTS	86		25 - 150	03/25/24 11:06	03/28/24 06:44	1
M2-8:2 FTS	120		25 - 150	03/25/24 11:06	03/28/24 06:44	1
13C3 HFPO-DA	92		25 - 150	03/25/24 11:06	03/28/24 06:44	1

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

**Lab Sample ID: 320-110670-49**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	28		5.0	2.4	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluoropentanoic acid (PFPeA)	130		2.0	0.49	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorohexanoic acid (PFHxA)	88		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorooctanoic acid (PFOA)	23		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorononanoic acid (PFNA)	1.2	J	2.0	0.27	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorobutanesulfonic acid (PFBS)	0.29	J	2.0	0.20	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.70	J	2.0	0.57	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:06	03/28/24 06:54	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:06	03/28/24 06:54	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:06	03/28/24 06:54	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:06	03/28/24 06:54	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:06	03/28/24 06:54	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:06	03/28/24 06:54	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:06	03/28/24 06:54	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 06:54	1
4:2 FTS	3.8		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 06:54	1
8:2 FTS	7.3		2.0	0.46	ng/L		03/25/24 11:06	03/28/24 06:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:06	03/28/24 06:54	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:06	03/28/24 06:54	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 06:54	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 06:54	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-49**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C5 PFPeA	96		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C2 PFHxA	99		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C4 PFHpA	99		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C4 PFOA	101		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C5 PFNA	108		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C2 PFDA	110		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C2 PFUnA	94		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C2 PFDoA	93		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C2 PFTeDA	94		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C3 PFBS	98		25 - 150	03/25/24 11:06	03/28/24 06:54	1
18O2 PFHxS	102		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C4 PFOS	102		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C8 FOSA	101		10 - 150	03/25/24 11:06	03/28/24 06:54	1
d3-NMeFOSAA	88		25 - 150	03/25/24 11:06	03/28/24 06:54	1
d5-NEtFOSAA	97		25 - 150	03/25/24 11:06	03/28/24 06:54	1
d-N-MeFOSA-M	85		10 - 150	03/25/24 11:06	03/28/24 06:54	1
d-N-EtFOSA-M	90		10 - 150	03/25/24 11:06	03/28/24 06:54	1
d7-N-MeFOSE-M	90		10 - 150	03/25/24 11:06	03/28/24 06:54	1
d9-N-EtFOSE-M	103		10 - 150	03/25/24 11:06	03/28/24 06:54	1
M2-4:2 FTS	104		25 - 150	03/25/24 11:06	03/28/24 06:54	1
M2-8:2 FTS	145		25 - 150	03/25/24 11:06	03/28/24 06:54	1
13C3 HFPO-DA	102		25 - 150	03/25/24 11:06	03/28/24 06:54	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>460</b>		25	12	ng/L		03/25/24 11:06	04/01/24 23:55	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	51		25 - 150	03/25/24 11:06	04/01/24 23:55	5			

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

**Lab Sample ID: 320-110670-50**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorobutanoic acid (PFBA)</b>	<b>15</b>		6.4	3.1	ng/L		03/25/24 11:28	03/28/24 07:04	1
<b>Perfluoropentanoic acid (PFPeA)</b>	<b>18</b>		2.6	0.63	ng/L		03/25/24 11:28	03/28/24 07:04	1
<b>Perfluorohexanoic acid (PFHxA)</b>	<b>13</b>		2.6	0.74	ng/L		03/25/24 11:28	03/28/24 07:04	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>14</b>		2.6	0.32	ng/L		03/25/24 11:28	03/28/24 07:04	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>6.1</b>		2.6	1.1	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorononanoic acid (PFNA)	<0.35		2.6	0.35	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.6	0.70	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.6	1.7	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.6	0.93	ng/L		03/25/24 11:28	03/28/24 07:04	1
<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>0.84 J</b>		2.6	0.26	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.6	0.38	ng/L		03/25/24 11:28	03/28/24 07:04	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-50**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.73		2.6	0.73	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.6	0.24	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.6	0.69	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.6	0.47	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.6	1.2	ng/L		03/25/24 11:28	03/28/24 07:04	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		03/25/24 11:28	03/28/24 07:04	1
NEtFOSA	<1.1		2.6	1.1	ng/L		03/25/24 11:28	03/28/24 07:04	1
NMeFOSA	<0.55		2.6	0.55	ng/L		03/25/24 11:28	03/28/24 07:04	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		03/25/24 11:28	03/28/24 07:04	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		03/25/24 11:28	03/28/24 07:04	1
NMeFOSE	<1.8		5.1	1.8	ng/L		03/25/24 11:28	03/28/24 07:04	1
NEtFOSE	<1.1		2.6	1.1	ng/L		03/25/24 11:28	03/28/24 07:04	1
4:2 FTS	<0.31		2.6	0.31	ng/L		03/25/24 11:28	03/28/24 07:04	1
6:2 FTS	<3.2		6.4	3.2	ng/L		03/25/24 11:28	03/28/24 07:04	1
8:2 FTS	<0.59		2.6	0.59	ng/L		03/25/24 11:28	03/28/24 07:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.6	0.51	ng/L		03/25/24 11:28	03/28/24 07:04	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		03/25/24 11:28	03/28/24 07:04	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		03/25/24 11:28	03/28/24 07:04	1
11Cl-PF3OUdS	<0.41		2.6	0.41	ng/L		03/25/24 11:28	03/28/24 07:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C5 PFPeA	93		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C2 PFHxA	91		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C4 PFHpA	92		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C4 PFOA	96		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C5 PFNA	92		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C2 PFDA	95		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C2 PFUnA	84		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C2 PFDoA	91		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C2 PFTeDA	84		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C3 PFBS	88		25 - 150	03/25/24 11:28	03/28/24 07:04	1
18O2 PFHxS	96		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C4 PFOS	90		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C8 FOSA	102		10 - 150	03/25/24 11:28	03/28/24 07:04	1
d3-NMeFOSAA	91		25 - 150	03/25/24 11:28	03/28/24 07:04	1
d5-NEtFOSAA	86		25 - 150	03/25/24 11:28	03/28/24 07:04	1
d-N-MeFOSA-M	79		10 - 150	03/25/24 11:28	03/28/24 07:04	1
d-N-EtFOSA-M	82		10 - 150	03/25/24 11:28	03/28/24 07:04	1
d7-N-MeFOSE-M	85		10 - 150	03/25/24 11:28	03/28/24 07:04	1
d9-N-EtFOSE-M	86		10 - 150	03/25/24 11:28	03/28/24 07:04	1
M2-4:2 FTS	100		25 - 150	03/25/24 11:28	03/28/24 07:04	1
M2-6:2 FTS	91		25 - 150	03/25/24 11:28	03/28/24 07:04	1
M2-8:2 FTS	136		25 - 150	03/25/24 11:28	03/28/24 07:04	1
13C3 HFPO-DA	92		25 - 150	03/25/24 11:28	03/28/24 07:04	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-51**

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

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 12:10	03/27/24 18:31	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 12:10	03/27/24 18:31	1
NEtFOSA	<0.86		2.0	0.86	ng/L		03/25/24 12:10	03/27/24 18:31	1
NMeFOSA	<0.42		2.0	0.42	ng/L		03/25/24 12:10	03/27/24 18:31	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		03/25/24 12:10	03/27/24 18:31	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		03/25/24 12:10	03/27/24 18:31	1
NMeFOSE	<1.4		3.9	1.4	ng/L		03/25/24 12:10	03/27/24 18:31	1
NEtFOSE	<0.84		2.0	0.84	ng/L		03/25/24 12:10	03/27/24 18:31	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 18:31	1
6:2 FTS	<2.5		4.9	2.5	ng/L		03/25/24 12:10	03/27/24 18:31	1
8:2 FTS	<0.45		2.0	0.45	ng/L		03/25/24 12:10	03/27/24 18:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		03/25/24 12:10	03/27/24 18:31	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		03/25/24 12:10	03/27/24 18:31	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 18:31	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 18:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C5 PFPeA	90		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C2 PFHxA	93		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C4 PFHpA	98		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C4 PFOA	94		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C5 PFNA	99		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C2 PFDA	101		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C2 PFUnA	101		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C2 PFDoA	104		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C2 PFTeDA	106		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C3 PFBS	92		25 - 150	03/25/24 12:10	03/27/24 18:31	1
18O2 PFHxS	102		25 - 150	03/25/24 12:10	03/27/24 18:31	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-51**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	98		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C8 FOSA	109		10 - 150	03/25/24 12:10	03/27/24 18:31	1
d3-NMeFOSAA	92		25 - 150	03/25/24 12:10	03/27/24 18:31	1
d5-NEtFOSAA	99		25 - 150	03/25/24 12:10	03/27/24 18:31	1
d-N-MeFOSA-M	80		10 - 150	03/25/24 12:10	03/27/24 18:31	1
d-N-EtFOSA-M	95		10 - 150	03/25/24 12:10	03/27/24 18:31	1
d7-N-MeFOSE-M	93		10 - 150	03/25/24 12:10	03/27/24 18:31	1
d9-N-EtFOSE-M	105		10 - 150	03/25/24 12:10	03/27/24 18:31	1
M2-4:2 FTS	103		25 - 150	03/25/24 12:10	03/27/24 18:31	1
M2-6:2 FTS	102		25 - 150	03/25/24 12:10	03/27/24 18:31	1
M2-8:2 FTS	132		25 - 150	03/25/24 12:10	03/27/24 18:31	1
13C3 HFPO-DA	93		25 - 150	03/25/24 12:10	03/27/24 18:31	1

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

**Lab Sample ID: 320-110670-52**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	140		5.7	2.7	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluoropentanoic acid (PFPeA)	410		2.3	0.56	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorohexanoic acid (PFHxA)	280		2.3	0.66	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluoroheptanoic acid (PFHpA)	210		2.3	0.28	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorooctanoic acid (PFOA)	180		2.3	0.96	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorononanoic acid (PFNA)	7.2		2.3	0.31	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorobutanesulfonic acid (PFBS)	1.4	J I	2.3	0.23	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.65		2.3	0.65	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.3	0.61	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		03/25/24 12:10	03/27/24 19:01	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		03/25/24 12:10	03/27/24 19:01	1
NEtFOSA	<0.99		2.3	0.99	ng/L		03/25/24 12:10	03/27/24 19:01	1
NMeFOSA	<0.49		2.3	0.49	ng/L		03/25/24 12:10	03/27/24 19:01	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		03/25/24 12:10	03/27/24 19:01	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		03/25/24 12:10	03/27/24 19:01	1
NMeFOSE	<1.6		4.5	1.6	ng/L		03/25/24 12:10	03/27/24 19:01	1
NEtFOSE	<0.96		2.3	0.96	ng/L		03/25/24 12:10	03/27/24 19:01	1
4:2 FTS	<0.27		2.3	0.27	ng/L		03/25/24 12:10	03/27/24 19:01	1
6:2 FTS	<2.8		5.7	2.8	ng/L		03/25/24 12:10	03/27/24 19:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-52**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.52		2.3	0.52	ng/L		03/25/24 12:10	03/27/24 19:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		03/25/24 12:10	03/27/24 19:01	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		03/25/24 12:10	03/27/24 19:01	1
9CI-PF3ONS	<0.27		2.3	0.27	ng/L		03/25/24 12:10	03/27/24 19:01	1
11CI-PF3OUdS	<0.36		2.3	0.36	ng/L		03/25/24 12:10	03/27/24 19:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C5 PFPeA	100		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C2 PFHxA	107		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C4 PFHpA	110		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C4 PFOA	104		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C5 PFNA	111		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C2 PFDA	114		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C2 PFUnA	101		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C2 PFDoA	112		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C2 PFTeDA	108		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C3 PFBS	99		25 - 150				03/25/24 12:10	03/27/24 19:01	1
18O2 PFHxS	110		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C4 PFOS	106		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C8 FOSA	117		10 - 150				03/25/24 12:10	03/27/24 19:01	1
d3-NMeFOSAA	108		25 - 150				03/25/24 12:10	03/27/24 19:01	1
d5-NEtFOSAA	108		25 - 150				03/25/24 12:10	03/27/24 19:01	1
d-N-MeFOSA-M	89		10 - 150				03/25/24 12:10	03/27/24 19:01	1
d-N-EtFOSA-M	92		10 - 150				03/25/24 12:10	03/27/24 19:01	1
d7-N-MeFOSE-M	99		10 - 150				03/25/24 12:10	03/27/24 19:01	1
d9-N-EtFOSE-M	105		10 - 150				03/25/24 12:10	03/27/24 19:01	1
M2-4:2 FTS	115		25 - 150				03/25/24 12:10	03/27/24 19:01	1
M2-6:2 FTS	107		25 - 150				03/25/24 12:10	03/27/24 19:01	1
M2-8:2 FTS	134		25 - 150				03/25/24 12:10	03/27/24 19:01	1
13C3 HFPO-DA	102		25 - 150				03/25/24 12:10	03/27/24 19:01	1

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

**Lab Sample ID: 320-110670-53**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16		5.0	2.4	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluoropentanoic acid (PFPeA)	76		2.0	0.49	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorohexanoic acid (PFHxA)	42		2.0	0.58	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluoroheptanoic acid (PFHpA)	14		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorooctanoic acid (PFOA)	9.2		2.0	0.86	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorononanoic acid (PFNA)	1.0 J		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 19:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-53**

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

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		03/25/24 12:10	03/27/24 19:11	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		03/25/24 12:10	03/27/24 19:11	1
NEtFOSA	<0.88		2.0	0.88	ng/L		03/25/24 12:10	03/27/24 19:11	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 12:10	03/27/24 19:11	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 12:10	03/27/24 19:11	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 12:10	03/27/24 19:11	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 12:10	03/27/24 19:11	1
NEtFOSE	<0.86		2.0	0.86	ng/L		03/25/24 12:10	03/27/24 19:11	1
<b>4:2 FTS</b>	<b>0.38</b>	<b>J</b>	2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:11	1
<b>6:2 FTS</b>	<b>71</b>		5.0	2.5	ng/L		03/25/24 12:10	03/27/24 19:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 12:10	03/27/24 19:11	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 12:10	03/27/24 19:11	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:11	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 19:11	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	102		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C5 PFPeA	96		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C2 PFHxA	97		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C4 PFHpA	101		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C4 PFOA	102		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C5 PFNA	110		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C2 PFDA	120		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C2 PFUnA	93		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C2 PFDoA	83		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C2 PFTeDA	98		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C3 PFBS	100		25 - 150				03/25/24 12:10	03/27/24 19:11	1
18O2 PFHxS	104		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C4 PFOS	105		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C8 FOSA	114		10 - 150				03/25/24 12:10	03/27/24 19:11	1
d3-NMeFOSAA	61		25 - 150				03/25/24 12:10	03/27/24 19:11	1
d5-NEtFOSAA	106		25 - 150				03/25/24 12:10	03/27/24 19:11	1
d-N-MeFOSA-M	51		10 - 150				03/25/24 12:10	03/27/24 19:11	1
d-N-EtFOSA-M	81		10 - 150				03/25/24 12:10	03/27/24 19:11	1
d7-N-MeFOSE-M	48		10 - 150				03/25/24 12:10	03/27/24 19:11	1
d9-N-EtFOSE-M	95		10 - 150				03/25/24 12:10	03/27/24 19:11	1
M2-4:2 FTS	98		25 - 150				03/25/24 12:10	03/27/24 19:11	1
M2-6:2 FTS	104		25 - 150				03/25/24 12:10	03/27/24 19:11	1
13C3 HFPO-DA	96		25 - 150				03/25/24 12:10	03/27/24 19:11	1

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-53**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

**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		03/25/24 12:10	04/01/24 22:25	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-8:2 FTS	134		25 - 150				03/25/24 12:10	04/01/24 22:25	10

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

**Lab Sample ID: 320-110670-54**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	81		5.1	2.4	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluoropentanoic acid (PFPeA)	340		2.0	0.50	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorohexanoic acid (PFHxA)	200		2.0	0.59	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluoroheptanoic acid (PFHpA)	100		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorooctanoic acid (PFOA)	100		2.0	0.87	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorononanoic acid (PFNA)	10		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorodecanoic acid (PFDA)	1.6	J	2.0	0.32	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorobutanesulfonic acid (PFBS)	0.56	J	2.0	0.20	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.58	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorooctanesulfonic acid (PFOS)	4.0		2.0	0.55	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		03/25/24 12:10	03/27/24 19:21	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		03/25/24 12:10	03/27/24 19:21	1
NEtFOSA	<0.89		2.0	0.89	ng/L		03/25/24 12:10	03/27/24 19:21	1
NMeFOSA	<0.44		2.0	0.44	ng/L		03/25/24 12:10	03/27/24 19:21	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		03/25/24 12:10	03/27/24 19:21	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		03/25/24 12:10	03/27/24 19:21	1
NMeFOSE	<1.4		4.1	1.4	ng/L		03/25/24 12:10	03/27/24 19:21	1
NEtFOSE	<0.87		2.0	0.87	ng/L		03/25/24 12:10	03/27/24 19:21	1
4:2 FTS	4.7		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:21	1
8:2 FTS	250		2.0	0.47	ng/L		03/25/24 12:10	03/27/24 19:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		03/25/24 12:10	03/27/24 19:21	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		03/25/24 12:10	03/27/24 19:21	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:21	1
11CI-PF3OUdS	<0.33		2.0	0.33	ng/L		03/25/24 12:10	03/27/24 19:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<sup>13</sup> C4 PFBA	104		25 - 150				03/25/24 12:10	03/27/24 19:21	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-54**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	99		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C2 PFHxA	101		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C4 PFHpA	104		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C4 PFOA	97		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C5 PFNA	100		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C2 PFDA	107		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C2 PFUnA	86		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C2 PFDoA	98		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C2 PFTeDA	100		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C3 PFBS	99		25 - 150	03/25/24 12:10	03/27/24 19:21	1
18O2 PFHxS	102		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C4 PFOS	101		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C8 FOSA	110		10 - 150	03/25/24 12:10	03/27/24 19:21	1
d3-NMeFOSAA	105		25 - 150	03/25/24 12:10	03/27/24 19:21	1
d5-NEtFOSAA	98		25 - 150	03/25/24 12:10	03/27/24 19:21	1
d-N-MeFOSA-M	85		10 - 150	03/25/24 12:10	03/27/24 19:21	1
d-N-EtFOSA-M	81		10 - 150	03/25/24 12:10	03/27/24 19:21	1
d7-N-MeFOSE-M	101		10 - 150	03/25/24 12:10	03/27/24 19:21	1
d9-N-EtFOSE-M	103		10 - 150	03/25/24 12:10	03/27/24 19:21	1
M2-4:2 FTS	103		25 - 150	03/25/24 12:10	03/27/24 19:21	1
M2-8:2 FTS	131		25 - 150	03/25/24 12:10	03/27/24 19:21	1
13C3 HFPO-DA	99		25 - 150	03/25/24 12:10	03/27/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1500		51	25	ng/L		03/25/24 12:10	03/29/24 21:32	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	89		25 - 150	03/25/24 12:10	03/29/24 21:32	10

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

**Lab Sample ID: 320-110670-55**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluoropentanoic acid (PFPeA)	8.3		2.0	0.49	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorohexanoic acid (PFHxA)	6.5		2.0	0.58	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluoroheptanoic acid (PFHpA)	2.5		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorooctanoic acid (PFOA)	4.4		2.0	0.85	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 12:10	03/27/24 19:31	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-55**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		03/25/24 12:10	03/27/24 19:31	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		03/25/24 12:10	03/27/24 19:31	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 12:10	03/27/24 19:31	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 12:10	03/27/24 19:31	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 12:10	03/27/24 19:31	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 12:10	03/27/24 19:31	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 12:10	03/27/24 19:31	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 12:10	03/27/24 19:31	1
<b>4:2 FTS</b>	<b>0.62</b>	<b>J</b>	2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:31	1
<b>6:2 FTS</b>	<b>65</b>		5.0	2.5	ng/L		03/25/24 12:10	03/27/24 19:31	1
<b>8:2 FTS</b>	<b>3.9</b>		2.0	0.46	ng/L		03/25/24 12:10	03/27/24 19:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 12:10	03/27/24 19:31	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 12:10	03/27/24 19:31	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 19:31	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 19:31	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	101		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C5 PFPeA	102		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C2 PFHxA	99		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C4 PFHpA	102		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C4 PFOA	99		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C5 PFNA	101		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C2 PFDA	112		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C2 PFUnA	97		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C2 PFDoA	98		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C2 PFTeDA	111		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C3 PFBS	104		25 - 150				03/25/24 12:10	03/27/24 19:31	1
18O2 PFHxS	107		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C4 PFOS	106		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C8 FOSA	116		10 - 150				03/25/24 12:10	03/27/24 19:31	1
d3-NMeFOSAA	110		25 - 150				03/25/24 12:10	03/27/24 19:31	1
d5-NEtFOSAA	103		25 - 150				03/25/24 12:10	03/27/24 19:31	1
d-N-MeFOSA-M	87		10 - 150				03/25/24 12:10	03/27/24 19:31	1
d-N-EtFOSA-M	88		10 - 150				03/25/24 12:10	03/27/24 19:31	1
d7-N-MeFOSE-M	92		10 - 150				03/25/24 12:10	03/27/24 19:31	1
d9-N-EtFOSE-M	100		10 - 150				03/25/24 12:10	03/27/24 19:31	1
M2-4:2 FTS	94		25 - 150				03/25/24 12:10	03/27/24 19:31	1
M2-6:2 FTS	111		25 - 150				03/25/24 12:10	03/27/24 19:31	1
M2-8:2 FTS	140		25 - 150				03/25/24 12:10	03/27/24 19:31	1
13C3 HFPO-DA	98		25 - 150				03/25/24 12:10	03/27/24 19:31	1

# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-56**

**Date Collected: 03/19/24 09:50**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 19:41	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		03/25/24 12:10	03/27/24 19:41	1
NEtFOSA	<0.83		1.9	0.83	ng/L		03/25/24 12:10	03/27/24 19:41	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/25/24 12:10	03/27/24 19:41	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 19:41	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 19:41	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 19:41	1
NEtFOSE	<0.81		1.9	0.81	ng/L		03/25/24 12:10	03/27/24 19:41	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 19:41	1
6:2 FTS	<2.4		4.7	2.4	ng/L		03/25/24 12:10	03/27/24 19:41	1
8:2 FTS	<0.44		1.9	0.44	ng/L		03/25/24 12:10	03/27/24 19:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 19:41	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 19:41	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 19:41	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 19:41	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	104		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C5 PFPeA	99		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C2 PFHxA	101		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C4 PFHpA	105		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C4 PFOA	100		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C5 PFNA	102		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C2 PFDA	107		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C2 PFUnA	88		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C2 PFDoA	92		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C2 PFTeDA	103		25 - 150				03/25/24 12:10	03/27/24 19:41	1
13C3 PFBS	100		25 - 150				03/25/24 12:10	03/27/24 19:41	1
18O2 PFHxS	108		25 - 150				03/25/24 12:10	03/27/24 19:41	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-56**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	104		25 - 150	03/25/24 12:10	03/27/24 19:41	1
13C8 FOSA	105		10 - 150	03/25/24 12:10	03/27/24 19:41	1
d3-NMeFOSAA	97		25 - 150	03/25/24 12:10	03/27/24 19:41	1
d5-NEtFOSAA	100		25 - 150	03/25/24 12:10	03/27/24 19:41	1
d-N-MeFOSA-M	75		10 - 150	03/25/24 12:10	03/27/24 19:41	1
d-N-EtFOSA-M	72		10 - 150	03/25/24 12:10	03/27/24 19:41	1
d7-N-MeFOSE-M	100		10 - 150	03/25/24 12:10	03/27/24 19:41	1
d9-N-EtFOSE-M	91		10 - 150	03/25/24 12:10	03/27/24 19:41	1
M2-4:2 FTS	113		25 - 150	03/25/24 12:10	03/27/24 19:41	1
M2-6:2 FTS	106		25 - 150	03/25/24 12:10	03/27/24 19:41	1
M2-8:2 FTS	112		25 - 150	03/25/24 12:10	03/27/24 19:41	1
13C3 HFPO-DA	103		25 - 150	03/25/24 12:10	03/27/24 19:41	1

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

**Lab Sample ID: 320-110670-57**

Date Collected: 03/18/24 10:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 19:51	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		03/25/24 12:10	03/27/24 19:51	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 19:51	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/25/24 12:10	03/27/24 19:51	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 19:51	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 19:51	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 19:51	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 19:51	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 19:51	1
6:2 FTS	<2.4		4.7	2.4	ng/L		03/25/24 12:10	03/27/24 19:51	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 19:51	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-57**

**Date Collected: 03/18/24 10:00**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

**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		03/25/24 12:10	03/27/24 19:51	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 19:51	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 19:51	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 19:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C5 PFPeA	96		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C2 PFHxA	95		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C4 PFHpA	98		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C4 PFOA	99		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C5 PFNA	100		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C2 PFDA	101		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C2 PFUnA	97		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C2 PFDoA	98		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C2 PFTeDA	98		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C3 PFBS	92		25 - 150				03/25/24 12:10	03/27/24 19:51	1
18O2 PFHxS	102		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C4 PFOS	99		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C8 FOSA	103		10 - 150				03/25/24 12:10	03/27/24 19:51	1
d3-NMeFOSAA	97		25 - 150				03/25/24 12:10	03/27/24 19:51	1
d5-NEtFOSAA	105		25 - 150				03/25/24 12:10	03/27/24 19:51	1
d-N-MeFOSA-M	72		10 - 150				03/25/24 12:10	03/27/24 19:51	1
d-N-EtFOSA-M	73		10 - 150				03/25/24 12:10	03/27/24 19:51	1
d7-N-MeFOSE-M	96		10 - 150				03/25/24 12:10	03/27/24 19:51	1
d9-N-EtFOSE-M	92		10 - 150				03/25/24 12:10	03/27/24 19:51	1
M2-4:2 FTS	98		25 - 150				03/25/24 12:10	03/27/24 19:51	1
M2-6:2 FTS	114		25 - 150				03/25/24 12:10	03/27/24 19:51	1
M2-8:2 FTS	112		25 - 150				03/25/24 12:10	03/27/24 19:51	1
13C3 HFPO-DA	98		25 - 150				03/25/24 12:10	03/27/24 19:51	1

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

**Lab Sample ID: 320-110670-58**

**Date Collected: 03/18/24 12:00**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.5	2.6	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		03/25/24 12:10	03/27/24 20:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-58**

Date Collected: 03/18/24 12:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		03/25/24 12:10	03/27/24 20:01	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		03/25/24 12:10	03/27/24 20:01	1
NEtFOSA	<0.95		2.2	0.95	ng/L		03/25/24 12:10	03/27/24 20:01	1
NMeFOSA	<0.47		2.2	0.47	ng/L		03/25/24 12:10	03/27/24 20:01	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		03/25/24 12:10	03/27/24 20:01	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		03/25/24 12:10	03/27/24 20:01	1
NMeFOSE	<1.5		4.4	1.5	ng/L		03/25/24 12:10	03/27/24 20:01	1
NEtFOSE	<0.93		2.2	0.93	ng/L		03/25/24 12:10	03/27/24 20:01	1
4:2 FTS	<0.26		2.2	0.26	ng/L		03/25/24 12:10	03/27/24 20:01	1
6:2 FTS	<2.7		5.5	2.7	ng/L		03/25/24 12:10	03/27/24 20:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		03/25/24 12:10	03/27/24 20:01	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		03/25/24 12:10	03/27/24 20:01	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		03/25/24 12:10	03/27/24 20:01	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		03/25/24 12:10	03/27/24 20:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C5 PFPeA	103		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C2 PFHxA	98		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C4 PFHpA	106		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C4 PFOA	99		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C5 PFNA	102		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C2 PFDA	107		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C2 PFUnA	100		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C2 PFDoA	107		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C2 PFTeDA	107		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C3 PFBS	104		25 - 150	03/25/24 12:10	03/27/24 20:01	1
18O2 PFHxS	109		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C4 PFOS	102		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C8 FOSA	108		10 - 150	03/25/24 12:10	03/27/24 20:01	1
d3-NMeFOSAA	81		25 - 150	03/25/24 12:10	03/27/24 20:01	1
d5-NEtFOSAA	116		25 - 150	03/25/24 12:10	03/27/24 20:01	1
d-N-MeFOSA-M	74		10 - 150	03/25/24 12:10	03/27/24 20:01	1
d-N-EtFOSA-M	101		10 - 150	03/25/24 12:10	03/27/24 20:01	1
d7-N-MeFOSE-M	80		10 - 150	03/25/24 12:10	03/27/24 20:01	1
d9-N-EtFOSE-M	114		10 - 150	03/25/24 12:10	03/27/24 20:01	1
M2-4:2 FTS	101		25 - 150	03/25/24 12:10	03/27/24 20:01	1
M2-6:2 FTS	110		25 - 150	03/25/24 12:10	03/27/24 20:01	1
13C3 HFPO-DA	97		25 - 150	03/25/24 12:10	03/27/24 20:01	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-58**

Date Collected: 03/18/24 12:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.50		2.2	0.50	ng/L		03/25/24 12:10	03/29/24 20:51	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
M2-8:2 FTS	149		25 - 150				03/25/24 12:10	03/29/24 20:51	1

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

**Lab Sample ID: 320-110670-59**

Date Collected: 03/18/24 15:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 20:11	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 20:11	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 20:11	1
NMeFOSA	<0.41		1.9	0.41	ng/L		03/25/24 12:10	03/27/24 20:11	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 20:11	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 20:11	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 20:11	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:11	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:11	1
6:2 FTS	<2.4		4.7	2.4	ng/L		03/25/24 12:10	03/27/24 20:11	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 20:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 20:11	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 20:11	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:11	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:11	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	106		25 - 150				03/25/24 12:10	03/27/24 20:11	1
13C5 PFPeA	104		25 - 150				03/25/24 12:10	03/27/24 20:11	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-59**

Date Collected: 03/18/24 15:05

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	101		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C4 PFHpA	106		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C4 PFOA	102		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C5 PFNA	104		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C2 PFDA	118		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C2 PFUnA	102		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C2 PFDoA	118		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C2 PFTeDA	109		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C3 PFBS	103		25 - 150	03/25/24 12:10	03/27/24 20:11	1
18O2 PFHxS	112		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C4 PFOS	108		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C8 FOSA	114		10 - 150	03/25/24 12:10	03/27/24 20:11	1
d3-NMeFOSAA	103		25 - 150	03/25/24 12:10	03/27/24 20:11	1
d5-NEtFOSAA	103		25 - 150	03/25/24 12:10	03/27/24 20:11	1
d-N-MeFOSA-M	87		10 - 150	03/25/24 12:10	03/27/24 20:11	1
d-N-EtFOSA-M	90		10 - 150	03/25/24 12:10	03/27/24 20:11	1
d7-N-MeFOSE-M	103		10 - 150	03/25/24 12:10	03/27/24 20:11	1
d9-N-EtFOSE-M	105		10 - 150	03/25/24 12:10	03/27/24 20:11	1
M2-4:2 FTS	113		25 - 150	03/25/24 12:10	03/27/24 20:11	1
M2-6:2 FTS	106		25 - 150	03/25/24 12:10	03/27/24 20:11	1
M2-8:2 FTS	131		25 - 150	03/25/24 12:10	03/27/24 20:11	1
13C3 HFPO-DA	106		25 - 150	03/25/24 12:10	03/27/24 20:11	1

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

**Lab Sample ID: 320-110670-60**

Date Collected: 03/19/24 08:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorotridecanoic acid (PFTeDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/25/24 12:10	03/27/24 20:21	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-60**

Date Collected: 03/19/24 08:15

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 20:21	1
NEtFOSA	<0.81		1.9	0.81	ng/L		03/25/24 12:10	03/27/24 20:21	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/25/24 12:10	03/27/24 20:21	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 20:21	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 20:21	1
NMeFOSE	<1.3		3.7	1.3	ng/L		03/25/24 12:10	03/27/24 20:21	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:21	1
4:2 FTS	<0.22		1.9	0.22	ng/L		03/25/24 12:10	03/27/24 20:21	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 20:21	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 20:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		03/25/24 12:10	03/27/24 20:21	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		03/25/24 12:10	03/27/24 20:21	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		03/25/24 12:10	03/27/24 20:21	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:21	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	100		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C5 PFPeA	104		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C2 PFHxA	100		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C4 PFHpA	104		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C4 PFOA	97		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C5 PFNA	103		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C2 PFDA	111		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C2 PFUnA	93		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C2 PFDoA	96		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C2 PFTeDA	104		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C3 PFBS	102		25 - 150				03/25/24 12:10	03/27/24 20:21	1
18O2 PFHxS	103		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C4 PFOS	103		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C8 FOSA	110		10 - 150				03/25/24 12:10	03/27/24 20:21	1
d3-NMeFOSAA	99		25 - 150				03/25/24 12:10	03/27/24 20:21	1
d5-NEtFOSAA	110		25 - 150				03/25/24 12:10	03/27/24 20:21	1
d-N-MeFOSA-M	72		10 - 150				03/25/24 12:10	03/27/24 20:21	1
d-N-EtFOSA-M	77		10 - 150				03/25/24 12:10	03/27/24 20:21	1
d7-N-MeFOSE-M	104		10 - 150				03/25/24 12:10	03/27/24 20:21	1
d9-N-EtFOSE-M	109		10 - 150				03/25/24 12:10	03/27/24 20:21	1
M2-4:2 FTS	118		25 - 150				03/25/24 12:10	03/27/24 20:21	1
M2-6:2 FTS	96		25 - 150				03/25/24 12:10	03/27/24 20:21	1
M2-8:2 FTS	123		25 - 150				03/25/24 12:10	03/27/24 20:21	1
13C3 HFPO-DA	99		25 - 150				03/25/24 12:10	03/27/24 20:21	1

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

**Lab Sample ID: 320-110670-61**

Date Collected: 03/19/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 20:31	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-61**

Date Collected: 03/19/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/25/24 12:10	03/27/24 20:31	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 20:31	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 20:31	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/25/24 12:10	03/27/24 20:31	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 20:31	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 20:31	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 20:31	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 20:31	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:31	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 20:31	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 20:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 20:31	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 20:31	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 20:31	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 20:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C5 PFPeA	91		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C2 PFHxA	89		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C4 PFHpA	96		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C4 PFOA	90		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C5 PFNA	94		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C2 PFDA	102		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C2 PFUnA	92		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C2 PFDoA	94		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C2 PFTeDA	96		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C3 PFBS	90		25 - 150	03/25/24 12:10	03/27/24 20:31	1
18O2 PFHxS	98		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C4 PFOS	91		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C8 FOSA	93		10 - 150	03/25/24 12:10	03/27/24 20:31	1
d3-NMeFOSAA	95		25 - 150	03/25/24 12:10	03/27/24 20:31	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-61**

Date Collected: 03/19/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	93		25 - 150	03/25/24 12:10	03/27/24 20:31	1
d-N-MeFOSA-M	80		10 - 150	03/25/24 12:10	03/27/24 20:31	1
d-N-EtFOSA-M	87		10 - 150	03/25/24 12:10	03/27/24 20:31	1
d7-N-MeFOSE-M	89		10 - 150	03/25/24 12:10	03/27/24 20:31	1
d9-N-EtFOSE-M	95		10 - 150	03/25/24 12:10	03/27/24 20:31	1
M2-4:2 FTS	110		25 - 150	03/25/24 12:10	03/27/24 20:31	1
M2-6:2 FTS	99		25 - 150	03/25/24 12:10	03/27/24 20:31	1
M2-8:2 FTS	123		25 - 150	03/25/24 12:10	03/27/24 20:31	1
13C3 HFPO-DA	91		25 - 150	03/25/24 12:10	03/27/24 20:31	1

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

**Lab Sample ID: 320-110670-62**

Date Collected: 03/19/24 13:30

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/25/24 12:10	03/27/24 21:02	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 21:02	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 21:02	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/25/24 12:10	03/27/24 21:02	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 21:02	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 21:02	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 21:02	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:02	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:02	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:02	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 21:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 21:02	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 21:02	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-62**

**Date Collected: 03/19/24 13:30**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:02	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:02	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	101		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C5 PFPeA	96		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C2 PFHxA	95		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C4 PFHpA	97		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C4 PFOA	98		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C5 PFNA	99		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C2 PFDA	109		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C2 PFUnA	96		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C2 PFDoA	106		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C2 PFTeDA	101		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C3 PFBS	101		25 - 150				03/25/24 12:10	03/27/24 21:02	1
18O2 PFHxS	106		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C4 PFOS	102		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C8 FOSA	107		10 - 150				03/25/24 12:10	03/27/24 21:02	1
d3-NMeFOSAA	107		25 - 150				03/25/24 12:10	03/27/24 21:02	1
d5-NEtFOSAA	105		25 - 150				03/25/24 12:10	03/27/24 21:02	1
d-N-MeFOSA-M	86		10 - 150				03/25/24 12:10	03/27/24 21:02	1
d-N-EtFOSA-M	89		10 - 150				03/25/24 12:10	03/27/24 21:02	1
d7-N-MeFOSE-M	99		10 - 150				03/25/24 12:10	03/27/24 21:02	1
d9-N-EtFOSE-M	100		10 - 150				03/25/24 12:10	03/27/24 21:02	1
M2-4:2 FTS	107		25 - 150				03/25/24 12:10	03/27/24 21:02	1
M2-6:2 FTS	110		25 - 150				03/25/24 12:10	03/27/24 21:02	1
M2-8:2 FTS	137		25 - 150				03/25/24 12:10	03/27/24 21:02	1
13C3 HFPO-DA	98		25 - 150				03/25/24 12:10	03/27/24 21:02	1

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

**Lab Sample ID: 320-110670-63**

**Date Collected: 03/20/24 10:00**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		03/25/24 12:10	03/27/24 21:12	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-63**

Date Collected: 03/20/24 10:00

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/25/24 12:10	03/27/24 21:12	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 21:12	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 21:12	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/25/24 12:10	03/27/24 21:12	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 21:12	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 21:12	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 21:12	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:12	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:12	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:12	1
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/27/24 21:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 21:12	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 21:12	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:12	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:12	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	101		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C5 PFPeA	103		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C2 PFHxA	94		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C4 PFHpA	106		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C4 PFOA	100		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C5 PFNA	99		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C2 PFDA	103		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C2 PFUnA	91		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C2 PFDoA	97		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C2 PFTeDA	95		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C3 PFBS	96		25 - 150				03/25/24 12:10	03/27/24 21:12	1
18O2 PFHxS	102		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C4 PFOS	104		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C8 FOSA	110		10 - 150				03/25/24 12:10	03/27/24 21:12	1
d3-NMeFOSAA	96		25 - 150				03/25/24 12:10	03/27/24 21:12	1
d5-NEtFOSAA	101		25 - 150				03/25/24 12:10	03/27/24 21:12	1
d-N-MeFOSA-M	94		10 - 150				03/25/24 12:10	03/27/24 21:12	1
d-N-EtFOSA-M	96		10 - 150				03/25/24 12:10	03/27/24 21:12	1
d7-N-MeFOSE-M	105		10 - 150				03/25/24 12:10	03/27/24 21:12	1
d9-N-EtFOSE-M	105		10 - 150				03/25/24 12:10	03/27/24 21:12	1
M2-4:2 FTS	90		25 - 150				03/25/24 12:10	03/27/24 21:12	1
M2-6:2 FTS	107		25 - 150				03/25/24 12:10	03/27/24 21:12	1
M2-8:2 FTS	111		25 - 150				03/25/24 12:10	03/27/24 21:12	1
13C3 HFPO-DA	97		25 - 150				03/25/24 12:10	03/27/24 21:12	1



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-64**

Date Collected: 03/20/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		03/25/24 12:10	03/27/24 21:22	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		03/25/24 12:10	03/27/24 21:22	1
NEtFOSA	<0.82		1.9	0.82	ng/L		03/25/24 12:10	03/27/24 21:22	1
NMeFOSA	<0.40		1.9	0.40	ng/L		03/25/24 12:10	03/27/24 21:22	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		03/25/24 12:10	03/27/24 21:22	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		03/25/24 12:10	03/27/24 21:22	1
NMeFOSE	<1.3		3.8	1.3	ng/L		03/25/24 12:10	03/27/24 21:22	1
NEtFOSE	<0.80		1.9	0.80	ng/L		03/25/24 12:10	03/27/24 21:22	1
4:2 FTS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:22	1
6:2 FTS	<2.3		4.7	2.3	ng/L		03/25/24 12:10	03/27/24 21:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		03/25/24 12:10	03/27/24 21:22	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		03/25/24 12:10	03/27/24 21:22	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		03/25/24 12:10	03/27/24 21:22	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		03/25/24 12:10	03/27/24 21:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C5 PFPeA	101		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C2 PFHxA	101		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C4 PFHpA	99		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C4 PFOA	101		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C5 PFNA	101		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C2 PFDA	113		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C2 PFUnA	97		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C2 PFDoA	107		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C2 PFTeDA	103		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C3 PFBS	101		25 - 150				03/25/24 12:10	03/27/24 21:22	1
18O2 PFHxS	107		25 - 150				03/25/24 12:10	03/27/24 21:22	1
13C4 PFOS	103		25 - 150				03/25/24 12:10	03/27/24 21:22	1

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# Client Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-64**

Date Collected: 03/20/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

**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>
13C8 FOSA	108		10 - 150	03/25/24 12:10	03/27/24 21:22	1
d3-NMeFOSAA	105		25 - 150	03/25/24 12:10	03/27/24 21:22	1
d5-NEtFOSAA	113		25 - 150	03/25/24 12:10	03/27/24 21:22	1
d-N-MeFOSA-M	79		10 - 150	03/25/24 12:10	03/27/24 21:22	1
d-N-EtFOSA-M	91		10 - 150	03/25/24 12:10	03/27/24 21:22	1
d7-N-MeFOSE-M	91		10 - 150	03/25/24 12:10	03/27/24 21:22	1
d9-N-EtFOSE-M	101		10 - 150	03/25/24 12:10	03/27/24 21:22	1
M2-4:2 FTS	117		25 - 150	03/25/24 12:10	03/27/24 21:22	1
M2-6:2 FTS	101		25 - 150	03/25/24 12:10	03/27/24 21:22	1
13C3 HFPO-DA	102		25 - 150	03/25/24 12:10	03/27/24 21:22	1

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

<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>
8:2 FTS	<0.43		1.9	0.43	ng/L		03/25/24 12:10	03/29/24 21:01	1

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
M2-8:2 FTS	133		25 - 150	03/25/24 12:10	03/29/24 21:01	1

# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**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)
320-110670-1	MP-01-(277-293)-202403	98	97	97	108	99	109	106	99
320-110670-2	MP-01-(253-274)-202403	96	92	89	94	94	101	102	81
320-110670-3	MP-01-(223-250)-202403	98	102	92	99	99	98	103	99
320-110670-4	MP-01-(198-220)-202403	96	89	86	97	96	91	98	89
320-110670-5	MP-01-(155-195)-202403	123					126	131	124
320-110670-5 - DL	MP-01-(155-195)-202403		102	101	105	93			
320-110670-6	MP-01-(121-152)-202403						125	127	115
320-110670-6 - DL	MP-01-(121-152)-202403	106	94	120	105	110			
320-110670-6 - RADL	MP-01-(121-152)-202403								
320-110670-7	MP-01-(091-118)-202403						105	105	98
320-110670-7 - DL	MP-01-(091-118)-202403	87	101	85	90	95			
320-110670-8	MP-01-(051-088)-202403						112	110	107
320-110670-8 - DL	MP-01-(051-088)-202403	92	89	85	93	86			
320-110670-9	MP-02-(279-300)-202403	98		102	101	95	127	104	97
320-110670-9 - RA	MP-02-(279-300)-202403		91						
320-110670-10	MP-02-(253-276)-202403	101	95	95	100	95	101	102	91
320-110670-11	MP-02-(223-250)-202403	92	96	97	98	98	96	94	82
320-110670-12	MP-02-(198-220)-202403	95	96	91	93	87	92	99	83
320-110670-12 - DL	MP-02-(198-220)-202403								
320-110670-13	MP-02-(153-195)-202403	103	100	113	100	96	101	106	94
320-110670-13 - DL	MP-02-(153-195)-202403								
320-110670-14	MP-03-(280-300)-202403	99	94	97	96	100	105	103	97
320-110670-15	MP-03-(245-277)-202403	88	87	86	91	92	100	95	89
320-110670-16	MP-03-(220-242)-202403	91	90	88	93	86	100	97	86
320-110670-17	MP-03-(190-217)-202403	93	93	95	98	94	96	106	90
320-110670-17 - RA	MP-03-(190-217)-202403								
320-110670-18	MP-03-(160-187)-202403	92	93	94	91	87	101	101	87
320-110670-19	MP-03-(120-157)-202403	94	97	94	91	94	101	100	83
320-110670-20	MP-03-(083-117)-202403	94	93	104	97	95	107	100	96
320-110670-21	MP-03-(046-080)-202403	97	98	102	105	94	105	104	96
320-110670-22	MP-04-(275-291)-202403	76	71	73	78	74	77	76	71
320-110670-23	MP-04-(245-272)-202403	86	87	87	91	87	90	90	81
320-110670-24	MP-04-(220-242)-202403	96	96	99	101	97	103	106	86
320-110670-25	MP-04-(195-217)-202403	101	103	103	109	106	106	110	98
320-110670-26	MP-04-(155-192)-202403	91	91	97	95	95	98	92	87
320-110670-26 - DL	MP-04-(155-192)-202403								
320-110670-27	MP-04-(115-152)-202403	106			108	96	113	124	100
320-110670-27 - DL	MP-04-(115-152)-202403		80	90					
320-110670-28	MP-04-(080-112)-202403	89			97	86	98	93	93
320-110670-28 - DL	MP-04-(080-112)-202403			128					
320-110670-28 - RADL	MP-04-(080-112)-202403		92						
320-110670-29	MP-04-(048-077)-202403	90	87	89	94	86	92	95	86
320-110670-30	MP-05-(SWL-065)-202403	94	90	95	101	92	96	100	86
320-110670-31	MP-06-(148-178)-202403	95	90	92	100	93	94	100	93
320-110670-32	MP-06-(113-145)-202403	90	97	100	98	98	107	99	88
320-110670-33	MP-06-(73-110)-202403	94	96	95	95	98	98	99	88
320-110670-34	MP-06-(36-70)-202403	83	90	92	102	99	99	103	98
320-110670-35	MP-06-(21-33)-202403	88	88	93	100	94	97	99	90
320-110670-36	MP-07-(220-258)-202403	79	81	93	100	97	91	101	92

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

## 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)
320-110670-37	MP-07-(195-217)-202403	86	90	95	100	100	99	101	94
320-110670-38	MP-07-(155-192)-202403	76	85	98	101	93	92	98	90
320-110670-39	MP-07-(115-152)-202403	83	87	96	101	98	100	103	96
320-110670-39 - DL	MP-07-(115-152)-202403								
320-110670-40	MP-07-(80-112)-202403	89	93	93	101	98	96	101	92
320-110670-41	MP-07-(48-77)-202403	84	91	102	99	98	98	102	98
320-110670-42	MP-08-(220-246)-202403	82	84	98	96	93	91	95	90
320-110670-43	MP-08-(195-217)-202403	88	89	98	98	96	99	99	93
320-110670-44	MP-08-(155-192)-202403	81	88	100	100	100	99	98	96
320-110670-45	MP-08-(115-152)-202403	88	92	101	100	98	98	103	102
320-110670-46	MP-08-(80-112)-202403	89	95	98	104	101	99	103	95
320-110670-47	MP-08-(48-77)-202403	94	95	98	95	93	101	106	84
320-110670-47 - RA	MP-08-(48-77)-202403								
320-110670-48	DUP-01-202403	93	89	92	93	97	96	103	87
320-110670-49	DUP-02-202403	104	96	99	99	101	108	110	94
320-110670-49 - DL	DUP-02-202403								
320-110670-50	DUP-03-202403	87	93	91	92	96	92	95	84
320-110670-51	DUP-04-202403	95	90	93	98	94	99	101	101
320-110670-52	DUP-05-202403	102	100	107	110	104	111	114	101
320-110670-53	DUP-06-202403	102	96	97	101	102	110	120	93
320-110670-53 - DL	DUP-06-202403								
320-110670-54	DUP-07-202403	104	99	101	104	97	100	107	86
320-110670-54 - DL	DUP-07-202403								
320-110670-55	DUP-08-202403	101	102	99	102	99	101	112	97
320-110670-56	FB-01-202403	104	99	101	105	100	102	107	88
320-110670-57	EB-01-202403	95	96	95	98	99	100	101	97
320-110670-58	EB-02-202403	105	103	98	106	99	102	107	100
320-110670-58 - RA	EB-02-202403								
320-110670-59	EB-03-202403	106	104	101	106	102	104	118	102
320-110670-60	EB-04-202403	100	104	100	104	97	103	111	93
320-110670-61	EB-05-202403	95	91	89	96	90	94	102	92
320-110670-62	EB-06-202403	101	96	95	97	98	99	109	96
320-110670-63	EB-07-202403	101	103	94	106	100	99	103	91
320-110670-64	EB-08-202403	95	101	101	99	101	101	113	97
320-110670-64 - RA	EB-08-202403								
LCS 320-749831/3-A	Lab Control Sample	91	91	86	91	89	84	99	90
LCS 320-749833/3-A	Lab Control Sample	92	90	99	98	92	89	97	86
LCS 320-753142/3-A	Lab Control Sample	83	86	104	102	95	95	103	101
LCSD 320-749831/4-A	Lab Control Sample Dup	101	99	95	98	94	101	104	99
LCSD 320-749833/4-A	Lab Control Sample Dup	96	95	99	97	99	97	99	87
LCSD 320-753142/4-A	Lab Control Sample Dup	81	85	96	97	91	91	100	99
LLCS 320-749831/2-A	Lab Control Sample	91	90	87	96	88	92	99	89
LLCS 320-749833/2-A	Lab Control Sample	97	97	98	100	99	98	104	93
LLCS 320-749852/2-A	Lab Control Sample	94	92	98	102	94	100	96	89
LLCS 320-753142/2-A	Lab Control Sample	84	91	103	101	96	98	101	99
LLCSD 320-749852/3-A	Lab Control Sample Dup	94	90	98	105	96	103	103	87
MB 320-749831/1-A	Method Blank	107	104	101	107	98	102	104	90
MB 320-749833/1-A	Method Blank	98	94	99	103	96	95	102	91
MB 320-749852/1-A	Method Blank	96	97	100	106	97	102	102	91
MB 320-753142/1-A	Method Blank	81	82	95	98	98	95	100	92

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**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)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-110670-1	MP-01-(277-293)-202403	105	105	95	100	102	109	79	101
320-110670-2	MP-01-(253-274)-202403	93	89	90	93	98	99	84	93
320-110670-3	MP-01-(223-250)-202403	96	105	92	104	99	105	88	102
320-110670-4	MP-01-(198-220)-202403	94	91	94	96	92	105	91	90
320-110670-5	MP-01-(155-195)-202403	139	121	125	130	125	138	128	117
320-110670-5 - DL	MP-01-(155-195)-202403								
320-110670-6	MP-01-(121-152)-202403	129	130	121	130	127	133	113	131
320-110670-6 - DL	MP-01-(121-152)-202403								
320-110670-6 - RADL	MP-01-(121-152)-202403								
320-110670-7	MP-01-(091-118)-202403	91	93	94	102	108	110	99	97
320-110670-7 - DL	MP-01-(091-118)-202403								
320-110670-8	MP-01-(051-088)-202403	108	107	100	104	105	110	104	102
320-110670-8 - DL	MP-01-(051-088)-202403								
320-110670-9	MP-02-(279-300)-202403	94	101	96	104	105	114	90	103
320-110670-9 - RA	MP-02-(279-300)-202403								
320-110670-10	MP-02-(253-276)-202403	91	88	96	97	94	106	87	101
320-110670-11	MP-02-(223-250)-202403	92	90	94	98	99	105	88	96
320-110670-12	MP-02-(198-220)-202403	91	95	90	100	97	102	96	88
320-110670-12 - DL	MP-02-(198-220)-202403								
320-110670-13	MP-02-(153-195)-202403	92	91	95	102	96	104	97	97
320-110670-13 - DL	MP-02-(153-195)-202403								
320-110670-14	MP-03-(280-300)-202403	91	98	98	96	95	101	81	101
320-110670-15	MP-03-(245-277)-202403	91	91	82	89	87	97	85	88
320-110670-16	MP-03-(220-242)-202403	87	93	84	87	87	98	86	86
320-110670-17	MP-03-(190-217)-202403	92	94	91	97	95	108	80	96
320-110670-17 - RA	MP-03-(190-217)-202403								
320-110670-18	MP-03-(160-187)-202403	92	90	93	95	94	104	92	90
320-110670-19	MP-03-(120-157)-202403	91	90	91	97	92	102	86	88
320-110670-20	MP-03-(083-117)-202403	93	103	92	99	102	104	80	103
320-110670-21	MP-03-(046-080)-202403	105	99	98	105	92	110	93	92
320-110670-22	MP-04-(275-291)-202403	71	71	68	71	72	82	68	69
320-110670-23	MP-04-(245-272)-202403	86	87	80	85	80	89	79	83
320-110670-24	MP-04-(220-242)-202403	98	96	98	103	98	108	94	94
320-110670-25	MP-04-(195-217)-202403	106	111	98	98	99	110	101	98
320-110670-26	MP-04-(155-192)-202403	92	93	83	90	89	95	92	82
320-110670-26 - DL	MP-04-(155-192)-202403								
320-110670-27	MP-04-(115-152)-202403	102	108	100	112	110	120	69	110
320-110670-27 - DL	MP-04-(115-152)-202403								
320-110670-28	MP-04-(080-112)-202403	95	92	88	92	91	105	64	89
320-110670-28 - DL	MP-04-(080-112)-202403								
320-110670-28 - RADL	MP-04-(080-112)-202403								
320-110670-29	MP-04-(048-077)-202403	91	89	82	87	83	98	78	77
320-110670-30	MP-05-(SWL-065)-202403	97	85	90	91	92	101	84	82
320-110670-31	MP-06-(148-178)-202403	90	100	91	92	91	97	85	86
320-110670-32	MP-06-(113-145)-202403	96	97	98	99	96	106	80	100
320-110670-33	MP-06-(73-110)-202403	90	101	90	96	92	100	90	88
320-110670-34	MP-06-(36-70)-202403	97	101	97	99	100	94	108	105
320-110670-35	MP-06-(21-33)-202403	96	98	97	92	95	91	102	102
320-110670-36	MP-07-(220-258)-202403	93	96	90	90	94	89	104	101
320-110670-37	MP-07-(195-217)-202403	96	99	94	90	95	93	105	106

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**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)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-110670-38	MP-07-(155-192)-202403	82	90	89	94	97	88	63	75
320-110670-39	MP-07-(115-152)-202403	93	96	96	93	99	94	102	100
320-110670-39 - DL	MP-07-(115-152)-202403								
320-110670-40	MP-07-(80-112)-202403	95	98	96	96	97	92	100	106
320-110670-41	MP-07-(48-77)-202403	97	102	94	94	97	93	106	104
320-110670-42	MP-08-(220-246)-202403	92	94	88	92	91	89	100	98
320-110670-43	MP-08-(195-217)-202403	98	97	95	94	95	90	103	100
320-110670-44	MP-08-(155-192)-202403	92	101	90	92	97	90	79	91
320-110670-45	MP-08-(115-152)-202403	99	100	92	92	98	93	108	106
320-110670-46	MP-08-(80-112)-202403	98	94	94	91	98	96	104	112
320-110670-47	MP-08-(48-77)-202403	95	96	89	96	98	101	65	93
320-110670-47 - RA	MP-08-(48-77)-202403								
320-110670-48	DUP-01-202403	90	94	85	90	89	95	81	80
320-110670-49	DUP-02-202403	93	94	98	102	102	101	88	97
320-110670-49 - DL	DUP-02-202403								
320-110670-50	DUP-03-202403	91	84	88	96	90	102	91	86
320-110670-51	DUP-04-202403	104	106	92	102	98	109	92	99
320-110670-52	DUP-05-202403	112	108	99	110	106	117	108	108
320-110670-53	DUP-06-202403	83	98	100	104	105	114	61	106
320-110670-53 - DL	DUP-06-202403								
320-110670-54	DUP-07-202403	98	100	99	102	101	110	105	98
320-110670-54 - DL	DUP-07-202403								
320-110670-55	DUP-08-202403	98	111	104	107	106	116	110	103
320-110670-56	FB-01-202403	92	103	100	108	104	105	97	100
320-110670-57	EB-01-202403	98	98	92	102	99	103	97	105
320-110670-58	EB-02-202403	107	107	104	109	102	108	81	116
320-110670-58 - RA	EB-02-202403								
320-110670-59	EB-03-202403	118	109	103	112	108	114	103	103
320-110670-60	EB-04-202403	96	104	102	103	103	110	99	110
320-110670-61	EB-05-202403	94	96	90	98	91	93	95	93
320-110670-62	EB-06-202403	106	101	101	106	102	107	107	105
320-110670-63	EB-07-202403	97	95	96	102	104	110	96	101
320-110670-64	EB-08-202403	107	103	101	107	103	108	105	113
320-110670-64 - RA	EB-08-202403								
LCS 320-749831/3-A	Lab Control Sample	94	89	82	95	92	91	95	88
LCS 320-749833/3-A	Lab Control Sample	86	97	89	93	93	95	88	83
LCS 320-753142/3-A	Lab Control Sample	99	99	94	99	98	93	109	109
LCSD 320-749831/4-A	Lab Control Sample Dup	103	105	97	101	104	108	102	101
LCSD 320-749833/4-A	Lab Control Sample Dup	99	98	95	98	95	103	91	87
LCSD 320-753142/4-A	Lab Control Sample Dup	97	98	91	94	96	89	109	105
LLCS 320-749831/2-A	Lab Control Sample	88	79	85	93	92	93	90	84
LLCS 320-749833/2-A	Lab Control Sample	108	95	90	90	88	100	93	82
LLCS 320-749852/2-A	Lab Control Sample	88	96	89	97	96	100	86	93
LLCS 320-753142/2-A	Lab Control Sample	101	102	90	93	100	94	108	109
LLCSD 320-749852/3-A	Lab Control Sample Dup	100	94	93	98	93	98	83	89
MB 320-749831/1-A	Method Blank	97	100	102	100	96	108	104	93
MB 320-749833/1-A	Method Blank	97	98	86	94	88	101	91	90
MB 320-749852/1-A	Method Blank	94	89	94	99	101	100	85	90
MB 320-753142/1-A	Method Blank	96	94	86	92	94	87	106	105

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

## 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)
320-110670-1	MP-01-(277-293)-202403	74	91	78	107	106	102	158 *5+	105
320-110670-2	MP-01-(253-274)-202403	68	69	98	95	105	98	111	96
320-110670-3	MP-01-(223-250)-202403	87	87	104	97	102	96	113	98
320-110670-4	MP-01-(198-220)-202403	84	79	97	99	97	116	120	94
320-110670-5	MP-01-(155-195)-202403	119	122	135	133	124			129
320-110670-5 - DL	MP-01-(155-195)-202403						184 *5+	134	
320-110670-6	MP-01-(121-152)-202403	104	123	108	135	122			120
320-110670-6 - DL	MP-01-(121-152)-202403							141	
320-110670-6 - RADL	MP-01-(121-152)-202403						147		
320-110670-7	MP-01-(091-118)-202403	104	99	100	103	92			111
320-110670-7 - DL	MP-01-(091-118)-202403						147	112	
320-110670-8	MP-01-(051-088)-202403	96	108	100	111	89			100
320-110670-8 - DL	MP-01-(051-088)-202403						171 *5+	108	
320-110670-9	MP-02-(279-300)-202403	87	98	96	106	106	104	140	95
320-110670-9 - RA	MP-02-(279-300)-202403								
320-110670-10	MP-02-(253-276)-202403	89	96	91	99	96	102	120	97
320-110670-11	MP-02-(223-250)-202403	92	94	93	95	106	103	136	96
320-110670-12	MP-02-(198-220)-202403	98	102	91	99	99		122	98
320-110670-12 - DL	MP-02-(198-220)-202403						88		
320-110670-13	MP-02-(153-195)-202403	91	92	96	96	107		135	105
320-110670-13 - DL	MP-02-(153-195)-202403						80		
320-110670-14	MP-03-(280-300)-202403	77	95	83	99	107	105	147	102
320-110670-15	MP-03-(245-277)-202403	87	90	95	94	93	90	119	97
320-110670-16	MP-03-(220-242)-202403	88	88	92	95	91	105	111	95
320-110670-17	MP-03-(190-217)-202403	73	90	74	99	114	106		102
320-110670-17 - RA	MP-03-(190-217)-202403							140	
320-110670-18	MP-03-(160-187)-202403	88	94	90	97	98	92	135	96
320-110670-19	MP-03-(120-157)-202403	85	95	91	94	91	91	124	93
320-110670-20	MP-03-(083-117)-202403	80	100	77	102	107	106	139	95
320-110670-21	MP-03-(046-080)-202403	102	102	100	103	100	95	142	101
320-110670-22	MP-04-(275-291)-202403	67	74	66	73	69	79	97	77
320-110670-23	MP-04-(245-272)-202403	89	91	91	91	94	89	97	90
320-110670-24	MP-04-(220-242)-202403	92	93	98	95	116	106	130	101
320-110670-25	MP-04-(195-217)-202403	92	105	100	115	108	113	143	106
320-110670-26	MP-04-(155-192)-202403	85	89	95	99	98		104	96
320-110670-26 - DL	MP-04-(155-192)-202403						95		
320-110670-27	MP-04-(115-152)-202403	67	102	73	110	100			109
320-110670-27 - DL	MP-04-(115-152)-202403						109	104	
320-110670-28	MP-04-(080-112)-202403	66	85	65	95	93		135	96
320-110670-28 - DL	MP-04-(080-112)-202403						64		
320-110670-28 - RADL	MP-04-(080-112)-202403								
320-110670-29	MP-04-(048-077)-202403	81	83	83	88	91	85	99	94
320-110670-30	MP-05-(SWL-065)-202403	81	86	88	92	95	95	128	97
320-110670-31	MP-06-(148-178)-202403	89	88	89	94	97	94	115	97
320-110670-32	MP-06-(113-145)-202403	84	100	84	98	111	108	132	99
320-110670-33	MP-06-(73-110)-202403	87	86	93	97	86	97	107	100
320-110670-34	MP-06-(36-70)-202403	89	88	87	81	100	90	100	96
320-110670-35	MP-06-(21-33)-202403	84	90	85	82	97	91	93	87
320-110670-36	MP-07-(220-258)-202403	85	90	85	81	96	86	94	87
320-110670-37	MP-07-(195-217)-202403	88	90	86	81	92	92	94	90

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## 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)	NFMF (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-110670-38	MP-07-(155-192)-202403	77	28	89	54	99	85	102	83
320-110670-39	MP-07-(115-152)-202403	89	85	82	76	101		101	86
320-110670-39 - DL	MP-07-(115-152)-202403						111		
320-110670-40	MP-07-(80-112)-202403	86	92	84	85	101	90	88	88
320-110670-41	MP-07-(48-77)-202403	93	91	88	84	103	92	95	89
320-110670-42	MP-08-(220-246)-202403	82	86	79	79	98	86	89	90
320-110670-43	MP-08-(195-217)-202403	82	85	83	81	100	91	92	92
320-110670-44	MP-08-(155-192)-202403	87	57	84	76	96	94	102	91
320-110670-45	MP-08-(115-152)-202403	90	87	83	83	102	93	96	89
320-110670-46	MP-08-(80-112)-202403	88	89	87	76	97	90	95	89
320-110670-47	MP-08-(48-77)-202403	69	95	68	101	102	92		98
320-110670-47 - RA	MP-08-(48-77)-202403							150	
320-110670-48	DUP-01-202403	80	82	81	93	90	86	120	92
320-110670-49	DUP-02-202403	85	90	90	103	104		145	102
320-110670-49 - DL	DUP-02-202403						51		
320-110670-50	DUP-03-202403	79	82	85	86	100	91	136	92
320-110670-51	DUP-04-202403	80	95	93	105	103	102	132	93
320-110670-52	DUP-05-202403	89	92	99	105	115	107	134	102
320-110670-53	DUP-06-202403	51	81	48	95	98	104		96
320-110670-53 - DL	DUP-06-202403							134	
320-110670-54	DUP-07-202403	85	81	101	103	103		131	99
320-110670-54 - DL	DUP-07-202403						89		
320-110670-55	DUP-08-202403	87	88	92	100	94	111	140	98
320-110670-56	FB-01-202403	75	72	100	91	113	106	112	103
320-110670-57	EB-01-202403	72	73	96	92	98	114	112	98
320-110670-58	EB-02-202403	74	101	80	114	101	110		97
320-110670-58 - RA	EB-02-202403							149	
320-110670-59	EB-03-202403	87	90	103	105	113	106	131	106
320-110670-60	EB-04-202403	72	77	104	109	118	96	123	99
320-110670-61	EB-05-202403	80	87	89	95	110	99	123	91
320-110670-62	EB-06-202403	86	89	99	100	107	110	137	98
320-110670-63	EB-07-202403	94	96	105	105	90	107	111	97
320-110670-64	EB-08-202403	79	91	91	101	117	101		102
320-110670-64 - RA	EB-08-202403							133	
LCS 320-749831/3-A	Lab Control Sample	84	88	96	89	88	96	103	86
LCS 320-749833/3-A	Lab Control Sample	83	83	96	94	93	90	102	98
LCS 320-753142/3-A	Lab Control Sample	85	95	95	85	108	95	98	93
LCSD 320-749831/4-A	Lab Control Sample Dup	100	102	105	101	95	100	104	92
LCSD 320-749833/4-A	Lab Control Sample Dup	89	91	100	101	103	98	110	102
LCSD 320-753142/4-A	Lab Control Sample Dup	83	93	91	86	104	89	93	97
LLCS 320-749831/2-A	Lab Control Sample	80	83	90	88	89	90	91	92
LLCS 320-749833/2-A	Lab Control Sample	88	91	104	101	113	98	106	100
LLCS 320-749852/2-A	Lab Control Sample	65	70	100	87	104	102	106	93
LLCS 320-753142/2-A	Lab Control Sample	86	92	90	85	101	94	97	91
LLCSD 320-749852/3-A	Lab Control Sample Dup	75	85	98	95	101	104	105	101
MB 320-749831/1-A	Method Blank	91	99	112	105	106	99	110	105
MB 320-749833/1-A	Method Blank	86	92	98	98	95	96	108	103
MB 320-749852/1-A	Method Blank	83	86	99	94	93	106	97	106
MB 320-753142/1-A	Method Blank	82	84	84	82	91	88	91	83

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# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## Surrogate Legend

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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: 320-110670-1

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

**Lab Sample ID: MB 320-749831/1-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorobutanesulfonic acid (PFBS)	0.413	J	2.0	0.20	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorooctanesulfonic acid (PFOS)	0.934	J	2.0	0.54	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:05	03/27/24 23:02	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:05	03/27/24 23:02	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:05	03/27/24 23:02	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:05	03/27/24 23:02	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:05	03/27/24 23:02	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:05	03/27/24 23:02	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:05	03/27/24 23:02	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:05	03/27/24 23:02	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/27/24 23:02	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:05	03/27/24 23:02	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:05	03/27/24 23:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:05	03/27/24 23:02	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:05	03/27/24 23:02	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:05	03/27/24 23:02	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:05	03/27/24 23:02	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	107		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C5 PFPeA	104		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C2 PFHxA	101		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C4 PFHpA	107		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C4 PFOA	98		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C5 PFNA	102		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C2 PFDA	104		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C2 PFUnA	90		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C2 PFDoA	97		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C2 PFTeDA	100		25 - 150	03/25/24 11:05	03/27/24 23:02	1

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-749831/1-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	102		25 - 150	03/25/24 11:05	03/27/24 23:02	1
18O2 PFHxS	100		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C4 PFOS	96		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C8 FOSA	108		10 - 150	03/25/24 11:05	03/27/24 23:02	1
d3-NMeFOSAA	104		25 - 150	03/25/24 11:05	03/27/24 23:02	1
d5-NEtFOSAA	93		25 - 150	03/25/24 11:05	03/27/24 23:02	1
d-N-MeFOSA-M	91		10 - 150	03/25/24 11:05	03/27/24 23:02	1
d-N-EtFOSA-M	99		10 - 150	03/25/24 11:05	03/27/24 23:02	1
d7-N-MeFOSE-M	112		10 - 150	03/25/24 11:05	03/27/24 23:02	1
d9-N-EtFOSE-M	105		10 - 150	03/25/24 11:05	03/27/24 23:02	1
M2-4:2 FTS	106		25 - 150	03/25/24 11:05	03/27/24 23:02	1
M2-6:2 FTS	99		25 - 150	03/25/24 11:05	03/27/24 23:02	1
M2-8:2 FTS	110		25 - 150	03/25/24 11:05	03/27/24 23:02	1
13C3 HFPO-DA	105		25 - 150	03/25/24 11:05	03/27/24 23:02	1

**Lab Sample ID: LCS 320-749831/3-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	41.0		ng/L		102	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	45.7		ng/L		114	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.9		ng/L		112	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.4		ng/L		106	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.1		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.9		ng/L		110	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	35.5		ng/L		89	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	39.2		ng/L		98	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	42.4		ng/L		106	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	36.7		ng/L		92	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.2		ng/L		108	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	39.2		ng/L		110	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.0		ng/L		106	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.1		ng/L		96	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.9		ng/L		102	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.7		ng/L		101	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	39.3		ng/L		102	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.1		ng/L		101	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.2		ng/L		88	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCS 320-749831/3-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	43.4		ng/L		108	60 - 135
NEtFOSA	40.0	42.1		ng/L		105	60 - 135
NMeFOSA	40.0	41.5		ng/L		104	60 - 135
NMeFOSAA	40.0	39.2		ng/L		98	60 - 135
NEtFOSAA	40.0	47.3		ng/L		118	60 - 135
NMeFOSE	40.0	43.2		ng/L		108	60 - 135
NEtFOSE	40.0	44.8		ng/L		112	60 - 135
4:2 FTS	37.5	40.5		ng/L		108	60 - 135
6:2 FTS	38.1	33.1		ng/L		87	60 - 135
8:2 FTS	38.4	35.9		ng/L		93	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	39.1		ng/L		103	60 - 135
HFPO-DA (GenX)	40.0	41.7		ng/L		104	60 - 135
9Cl-PF3ONS	37.4	37.6		ng/L		101	60 - 135
11Cl-PF3OUdS	37.8	37.6		ng/L		100	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	86		25 - 150
13C4 PFHpA	91		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	84		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDoA	94		25 - 150
13C2 PFTeDA	89		25 - 150
13C3 PFBS	82		25 - 150
18O2 PFHxS	95		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	91		10 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	84		10 - 150
d-N-EtFOSA-M	88		10 - 150
d7-N-MeFOSE-M	96		10 - 150
d9-N-EtFOSE-M	89		10 - 150
M2-4:2 FTS	88		25 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	86		25 - 150

**Lab Sample ID: LCSD 320-749831/4-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	41.3		ng/L		103	60 - 135	1	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCSD 320-749831/4-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	48.8		ng/L		122	60 - 135	7	30
Perfluorohexanoic acid (PFHxA)	40.0	42.6		ng/L		107	60 - 135	5	30
Perfluoroheptanoic acid (PFHpA)	40.0	40.5		ng/L		101	60 - 135	5	30
Perfluorooctanoic acid (PFOA)	40.0	41.6		ng/L		104	60 - 135	9	30
Perfluorononanoic acid (PFNA)	40.0	38.7		ng/L		97	60 - 135	13	30
Perfluorodecanoic acid (PFDA)	40.0	40.1		ng/L		100	60 - 135	12	30
Perfluoroundecanoic acid (PFUnA)	40.0	37.2		ng/L		93	60 - 135	5	30
Perfluorododecanoic acid (PFDoA)	40.0	42.2		ng/L		106	60 - 135	0	30
Perfluorotridecanoic acid (PFTrDA)	40.0	39.9		ng/L		100	60 - 135	8	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.3		ng/L		93	60 - 135	15	30
Perfluorobutanesulfonic acid (PFBS)	35.5	36.2		ng/L		102	60 - 135	8	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.5		ng/L		108	60 - 135	1	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.4		ng/L		97	60 - 135	1	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.8		ng/L		102	60 - 135	0	30
Perfluorooctanesulfonic acid (PFOS)	37.2	36.0		ng/L		97	60 - 135	5	30
Perfluorononanesulfonic acid (PFNS)	38.5	41.1		ng/L		107	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)	38.6	37.4		ng/L		97	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.3		ng/L		94	60 - 135	6	30
Perfluorooctanesulfonamide (FOSA)	40.0	39.5		ng/L		99	60 - 135	9	30
NEtFOSA	40.0	42.1		ng/L		105	60 - 135	0	30
NMeFOSA	40.0	40.7		ng/L		102	60 - 135	2	30
NMeFOSAA	40.0	38.5		ng/L		96	60 - 135	2	30
NEtFOSAA	40.0	49.6		ng/L		124	60 - 135	5	30
NMeFOSE	40.0	45.3		ng/L		113	60 - 135	5	30
NEtFOSE	40.0	44.8		ng/L		112	60 - 135	0	30
4:2 FTS	37.5	42.0		ng/L		112	60 - 135	4	30
6:2 FTS	38.1	35.8		ng/L		94	60 - 135	8	30
8:2 FTS	38.4	37.1		ng/L		97	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.9		ng/L		97	60 - 135	6	30
HFPO-DA (GenX)	40.0	43.0		ng/L		107	60 - 135	3	30
9Cl-PF3ONS	37.4	36.8		ng/L		99	60 - 135	2	30
11Cl-PF3OUdS	37.8	35.9		ng/L		95	60 - 135	5	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	101		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	98		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCSD 320-749831/4-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	94		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	105		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	101		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	108		10 - 150
d3-NMeFOSAA	102		25 - 150
d5-NEtFOSAA	101		25 - 150
d-N-MeFOSA-M	100		10 - 150
d-N-EtFOSA-M	102		10 - 150
d7-N-MeFOSE-M	105		10 - 150
d9-N-EtFOSE-M	101		10 - 150
M2-4:2 FTS	95		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	92		25 - 150

**Lab Sample ID: LLCS 320-749831/2-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	8.00	9.27		ng/L		116	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.66		ng/L		121	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	9.24		ng/L		115	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.67		ng/L		108	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	9.01		ng/L		113	50 - 150
Perfluorononanoic acid (PFNA)	8.00	8.45		ng/L		106	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	8.20		ng/L		102	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.09		ng/L		101	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.65		ng/L		108	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	8.42		ng/L		105	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	9.07		ng/L		113	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.72		ng/L		109	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.07		ng/L		107	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.57		ng/L		104	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.31		ng/L		96	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.03		ng/L		108	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCS 320-749831/2-A**  
**Matrix: Water**  
**Analysis Batch: 750731**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749831**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	8.15		ng/L		106	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.58		ng/L		98	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.69		ng/L		86	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	8.61		ng/L		108	50 - 150
NEtFOSA	8.00	8.69		ng/L		109	50 - 150
NMeFOSA	8.00	8.16		ng/L		102	50 - 150
NMeFOSAA	8.00	8.05		ng/L		101	50 - 150
NEtFOSAA	8.00	11.0		ng/L		137	50 - 150
NMeFOSE	8.00	9.81		ng/L		123	50 - 150
NEtFOSE	8.00	9.02		ng/L		113	50 - 150
4:2 FTS	7.50	7.36		ng/L		98	50 - 150
6:2 FTS	7.62	8.09		ng/L		106	50 - 150
8:2 FTS	7.68	7.88		ng/L		103	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.52		ng/L		113	50 - 150
HFPO-DA (GenX)	8.00	8.67		ng/L		108	50 - 150
9CI-PF3ONS	7.47	7.69		ng/L		103	50 - 150
11CI-PF3OUdS	7.55	7.65		ng/L		101	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	91		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	87		25 - 150
13C4 PFHpA	96		25 - 150
13C4 PFOA	88		25 - 150
13C5 PFNA	92		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	88		25 - 150
13C2 PFTeDA	79		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	84		25 - 150
d-N-MeFOSA-M	80		10 - 150
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	90		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	89		25 - 150
M2-6:2 FTS	90		25 - 150
M2-8:2 FTS	91		25 - 150
13C3 HFPO-DA	92		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-749833/1-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 11:06	03/28/24 04:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 11:06	03/28/24 04:23	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 11:06	03/28/24 04:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 11:06	03/28/24 04:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 11:06	03/28/24 04:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 11:06	03/28/24 04:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 11:06	03/28/24 04:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 11:06	03/28/24 04:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 04:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 11:06	03/28/24 04:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 11:06	03/28/24 04:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 11:06	03/28/24 04:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 11:06	03/28/24 04:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 11:06	03/28/24 04:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 11:06	03/28/24 04:23	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	98		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C5 PFPeA	94		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C2 PFHxA	99		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C4 PFHpA	103		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C4 PFOA	96		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C5 PFNA	95		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C2 PFDA	102		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C2 PFUnA	91		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C2 PFDoA	97		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C2 PFTeDA	98		25 - 150	03/25/24 11:06	03/28/24 04:23	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-749833/1-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	86		25 - 150	03/25/24 11:06	03/28/24 04:23	1
18O2 PFHxS	94		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C4 PFOS	88		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C8 FOSA	101		10 - 150	03/25/24 11:06	03/28/24 04:23	1
d3-NMeFOSAA	91		25 - 150	03/25/24 11:06	03/28/24 04:23	1
d5-NEtFOSAA	90		25 - 150	03/25/24 11:06	03/28/24 04:23	1
d-N-MeFOSA-M	86		10 - 150	03/25/24 11:06	03/28/24 04:23	1
d-N-EtFOSA-M	92		10 - 150	03/25/24 11:06	03/28/24 04:23	1
d7-N-MeFOSE-M	98		10 - 150	03/25/24 11:06	03/28/24 04:23	1
d9-N-EtFOSE-M	98		10 - 150	03/25/24 11:06	03/28/24 04:23	1
M2-4:2 FTS	95		25 - 150	03/25/24 11:06	03/28/24 04:23	1
M2-6:2 FTS	96		25 - 150	03/25/24 11:06	03/28/24 04:23	1
M2-8:2 FTS	108		25 - 150	03/25/24 11:06	03/28/24 04:23	1
13C3 HFPO-DA	103		25 - 150	03/25/24 11:06	03/28/24 04:23	1

**Lab Sample ID: LCS 320-749833/3-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	160	182		ng/L		114	60 - 135
Perfluoropentanoic acid (PFPeA)	160	184		ng/L		115	60 - 135
Perfluorohexanoic acid (PFHxA)	160	164		ng/L		103	60 - 135
Perfluoroheptanoic acid (PFHpA)	160	167		ng/L		105	60 - 135
Perfluorooctanoic acid (PFOA)	160	158		ng/L		99	60 - 135
Perfluorononanoic acid (PFNA)	160	179		ng/L		112	60 - 135
Perfluorodecanoic acid (PFDA)	160	166		ng/L		104	60 - 135
Perfluoroundecanoic acid (PFUnA)	160	182		ng/L		114	60 - 135
Perfluorododecanoic acid (PFDoA)	160	182		ng/L		114	60 - 135
Perfluorotridecanoic acid (PFTrDA)	160	168		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA)	160	165		ng/L		103	60 - 135
Perfluorobutanesulfonic acid (PFBS)	142	152		ng/L		107	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	150	162		ng/L		107	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	146	145		ng/L		99	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	153	151		ng/L		99	60 - 135
Perfluorooctanesulfonic acid (PFOS)	149	156		ng/L		105	60 - 135
Perfluorononanesulfonic acid (PFNS)	154	167		ng/L		109	60 - 135
Perfluorodecanesulfonic acid (PFDS)	154	153		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	155	141		ng/L		91	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCS 320-749833/3-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	160	163		ng/L		102	60 - 135
NEtFOSA	160	184		ng/L		115	60 - 135
NMeFOSA	160	169		ng/L		106	60 - 135
NMeFOSAA	160	171		ng/L		107	60 - 135
NEtFOSAA	160	187		ng/L		117	60 - 135
NMeFOSE	160	180		ng/L		113	60 - 135
NEtFOSE	160	182		ng/L		114	60 - 135
4:2 FTS	150	160		ng/L		106	60 - 135
6:2 FTS	152	150		ng/L		99	60 - 135
8:2 FTS	154	153		ng/L		100	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	158		ng/L		104	60 - 135
HFPO-DA (GenX)	160	179		ng/L		112	60 - 135
9Cl-PF3ONS	149	165		ng/L		111	60 - 135
11Cl-PF3OUdS	151	158		ng/L		105	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	92		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	86		25 - 150
13C2 PFDoA	86		25 - 150
13C2 PFTeDA	97		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	83		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	96		10 - 150
d9-N-EtFOSE-M	94		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	90		25 - 150
M2-8:2 FTS	102		25 - 150
13C3 HFPO-DA	98		25 - 150

**Lab Sample ID: LCSD 320-749833/4-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	160	167		ng/L		105	60 - 135	8	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCSD 320-749833/4-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	160	188		ng/L		118	60 - 135	2	30
Perfluorohexanoic acid (PFHxA)	160	170		ng/L		106	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	160	173		ng/L		108	60 - 135	3	30
Perfluorooctanoic acid (PFOA)	160	156		ng/L		98	60 - 135	1	30
Perfluorononanoic acid (PFNA)	160	178		ng/L		111	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	160	183		ng/L		115	60 - 135	10	30
Perfluoroundecanoic acid (PFUnA)	160	174		ng/L		109	60 - 135	4	30
Perfluorododecanoic acid (PFDoA)	160	175		ng/L		109	60 - 135	4	30
Perfluorotridecanoic acid (PFTrDA)	160	171		ng/L		107	60 - 135	2	30
Perfluorotetradecanoic acid (PFTeA)	160	171		ng/L		107	60 - 135	3	30
Perfluorobutanesulfonic acid (PFBS)	142	150		ng/L		105	60 - 135	1	30
Perfluoropentanesulfonic acid (PFPeS)	150	153		ng/L		102	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)	146	155		ng/L		106	60 - 135	7	30
Perfluoroheptanesulfonic acid (PFHpS)	153	164		ng/L		108	60 - 135	8	30
Perfluorooctanesulfonic acid (PFOS)	149	160		ng/L		108	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)	154	173		ng/L		113	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)	154	165		ng/L		107	60 - 135	7	30
Perfluorododecanesulfonic acid (PFDoS)	155	157		ng/L		101	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)	160	161		ng/L		101	60 - 135	1	30
NEtFOSA	160	181		ng/L		113	60 - 135	1	30
NMeFOSA	160	170		ng/L		106	60 - 135	0	30
NMeFOSAA	160	179		ng/L		112	60 - 135	4	30
NEtFOSAA	160	196		ng/L		122	60 - 135	5	30
NMeFOSE	160	180		ng/L		112	60 - 135	1	30
NEtFOSE	160	175		ng/L		109	60 - 135	4	30
4:2 FTS	150	158		ng/L		105	60 - 135	1	30
6:2 FTS	152	149		ng/L		98	60 - 135	1	30
8:2 FTS	154	135		ng/L		88	60 - 135	13	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	160		ng/L		106	60 - 135	1	30
HFPO-DA (GenX)	160	172		ng/L		108	60 - 135	4	30
9Cl-PF3ONS	149	174		ng/L		117	60 - 135	5	30
11Cl-PF3OUdS	151	173		ng/L		115	60 - 135	9	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	96		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	97		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCSD 320-749833/4-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	99		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDaA	99		25 - 150
13C2 PFTeDA	98		25 - 150
13C3 PFBS	95		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	95		25 - 150
13C8 FOSA	103		10 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	87		25 - 150
d-N-MeFOSA-M	89		10 - 150
d-N-EtFOSA-M	91		10 - 150
d7-N-MeFOSE-M	100		10 - 150
d9-N-EtFOSE-M	101		10 - 150
M2-4:2 FTS	103		25 - 150
M2-6:2 FTS	98		25 - 150
M2-8:2 FTS	110		25 - 150
13C3 HFPO-DA	102		25 - 150

**Lab Sample ID: LLCS 320-749833/2-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LLCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	8.00	10.3		ng/L		129	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.08		ng/L		114	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.58		ng/L		107	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.65		ng/L		108	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.30		ng/L		104	50 - 150
Perfluorononanoic acid (PFNA)	8.00	8.89		ng/L		111	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.92		ng/L		99	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.31		ng/L		104	50 - 150
Perfluorododecanoic acid (PFDaA)	8.00	8.72		ng/L		109	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	6.82		ng/L		85	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.54		ng/L		107	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.45		ng/L		105	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.68		ng/L		102	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.63		ng/L		105	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.86		ng/L		103	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.39		ng/L		113	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCS 320-749833/2-A**  
**Matrix: Water**  
**Analysis Batch: 750738**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749833**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	8.09		ng/L		105	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.66		ng/L		99	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.03		ng/L		91	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	7.96		ng/L		100	50 - 150
NEtFOSA	8.00	8.50		ng/L		106	50 - 150
NMeFOSA	8.00	8.62		ng/L		108	50 - 150
NMeFOSAA	8.00	7.63		ng/L		95	50 - 150
NEtFOSAA	8.00	10.3		ng/L		129	50 - 150
NMeFOSE	8.00	8.81		ng/L		110	50 - 150
NEtFOSE	8.00	8.75		ng/L		109	50 - 150
4:2 FTS	7.50	6.96		ng/L		93	50 - 150
6:2 FTS	7.62	7.81		ng/L		103	50 - 150
8:2 FTS	7.68	6.80		ng/L		89	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.78		ng/L		116	50 - 150
HFPO-DA (GenX)	8.00	9.72		ng/L		122	50 - 150
9CI-PF3ONS	7.47	9.15		ng/L		123	50 - 150
11CI-PF3OUdS	7.55	8.81		ng/L		117	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	LLCS Limits
13C4 PFBA	97		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	88		25 - 150
13C8 FOSA	100		10 - 150
d3-NMeFOSAA	93		25 - 150
d5-NEtFOSAA	82		25 - 150
d-N-MeFOSA-M	88		10 - 150
d-N-EtFOSA-M	91		10 - 150
d7-N-MeFOSE-M	104		10 - 150
d9-N-EtFOSE-M	101		10 - 150
M2-4:2 FTS	113		25 - 150
M2-6:2 FTS	98		25 - 150
M2-8:2 FTS	106		25 - 150
13C3 HFPO-DA	100		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-749852/1-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/25/24 12:10	03/27/24 17:01	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/25/24 12:10	03/27/24 17:01	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/25/24 12:10	03/27/24 17:01	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/25/24 12:10	03/27/24 17:01	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/25/24 12:10	03/27/24 17:01	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/25/24 12:10	03/27/24 17:01	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/25/24 12:10	03/27/24 17:01	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/25/24 12:10	03/27/24 17:01	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 17:01	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/25/24 12:10	03/27/24 17:01	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/25/24 12:10	03/27/24 17:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/25/24 12:10	03/27/24 17:01	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/25/24 12:10	03/27/24 17:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/25/24 12:10	03/27/24 17:01	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/25/24 12:10	03/27/24 17:01	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	96		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C5 PFPeA	97		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C2 PFHxA	100		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C4 PFHpA	106		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C4 PFOA	97		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C5 PFNA	102		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C2 PFDA	102		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C2 PFUnA	91		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C2 PFDoA	94		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C2 PFTeDA	89		25 - 150	03/25/24 12:10	03/27/24 17:01	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-749852/1-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	94		25 - 150	03/25/24 12:10	03/27/24 17:01	1
18O2 PFHxS	99		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C4 PFOS	101		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C8 FOSA	100		10 - 150	03/25/24 12:10	03/27/24 17:01	1
d3-NMeFOSAA	85		25 - 150	03/25/24 12:10	03/27/24 17:01	1
d5-NEtFOSAA	90		25 - 150	03/25/24 12:10	03/27/24 17:01	1
d-N-MeFOSA-M	83		10 - 150	03/25/24 12:10	03/27/24 17:01	1
d-N-EtFOSA-M	86		10 - 150	03/25/24 12:10	03/27/24 17:01	1
d7-N-MeFOSE-M	99		10 - 150	03/25/24 12:10	03/27/24 17:01	1
d9-N-EtFOSE-M	94		10 - 150	03/25/24 12:10	03/27/24 17:01	1
M2-4:2 FTS	93		25 - 150	03/25/24 12:10	03/27/24 17:01	1
M2-6:2 FTS	106		25 - 150	03/25/24 12:10	03/27/24 17:01	1
M2-8:2 FTS	97		25 - 150	03/25/24 12:10	03/27/24 17:01	1
13C3 HFPO-DA	106		25 - 150	03/25/24 12:10	03/27/24 17:01	1

**Lab Sample ID: LLCS 320-749852/2-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	8.00	9.10		ng/L		114	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.39		ng/L		117	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.23		ng/L		103	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.83		ng/L		98	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.27		ng/L		103	50 - 150
Perfluorononanoic acid (PFNA)	8.00	8.36		ng/L		105	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	8.04		ng/L		100	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.92		ng/L		112	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.97		ng/L		112	50 - 150
Perfluorotridecanoic acid (PFTrDA)	8.00	8.50		ng/L		106	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.60		ng/L		107	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.68		ng/L		108	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.29		ng/L		110	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.88		ng/L		108	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.04		ng/L		105	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.23		ng/L		111	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	7.90		ng/L		103	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.28		ng/L		94	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.64		ng/L		86	50 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCS 320-749852/2-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	8.00	7.94		ng/L		99	50 - 150
NEtFOSA	8.00	8.55		ng/L		107	50 - 150
NMeFOSA	8.00	8.44		ng/L		106	50 - 150
NMeFOSAA	8.00	8.67		ng/L		108	50 - 150
NEtFOSAA	8.00	8.77		ng/L		110	50 - 150
NMeFOSE	8.00	8.75		ng/L		109	50 - 150
NEtFOSE	8.00	9.12		ng/L		114	50 - 150
4:2 FTS	7.50	8.01		ng/L		107	50 - 150
6:2 FTS	7.62	7.46		ng/L		98	50 - 150
8:2 FTS	7.68	7.74		ng/L		101	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.89		ng/L		104	50 - 150
HFPO-DA (GenX)	8.00	8.49		ng/L		106	50 - 150
9Cl-PF3ONS	7.47	7.86		ng/L		105	50 - 150
11Cl-PF3OUdS	7.55	8.00		ng/L		106	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	94		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	96		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	88		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	100		10 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	93		25 - 150
d-N-MeFOSA-M	65		10 - 150
d-N-EtFOSA-M	70		10 - 150
d7-N-MeFOSE-M	100		10 - 150
d9-N-EtFOSE-M	87		10 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	106		25 - 150
13C3 HFPO-DA	93		25 - 150

**Lab Sample ID: LLCSD 320-749852/3-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	8.00	8.93		ng/L		112	50 - 150	2	30

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCSD 320-749852/3-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	8.00	10.0		ng/L		125	50 - 150	7	30
Perfluorohexanoic acid (PFHxA)	8.00	8.86		ng/L		111	50 - 150	7	30
Perfluoroheptanoic acid (PFHpA)	8.00	8.53		ng/L		107	50 - 150	9	30
Perfluorooctanoic acid (PFOA)	8.00	9.14		ng/L		114	50 - 150	10	30
Perfluorononanoic acid (PFNA)	8.00	8.60		ng/L		107	50 - 150	3	30
Perfluorodecanoic acid (PFDA)	8.00	8.38		ng/L		105	50 - 150	4	30
Perfluoroundecanoic acid (PFUnA)	8.00	8.53		ng/L		107	50 - 150	4	30
Perfluorododecanoic acid (PFDoA)	8.00	8.99		ng/L		112	50 - 150	0.2	30
Perfluorotridecanoic acid (PFTrDA)	8.00	8.31		ng/L		104	50 - 150	2	30
Perfluorotetradecanoic acid (PFTeA)	8.00	8.67		ng/L		108	50 - 150	0.8	30
Perfluorobutanesulfonic acid (PFBS)	7.10	7.38		ng/L		104	50 - 150	4	30
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.37		ng/L		111	50 - 150	1	30
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.79		ng/L		107	50 - 150	1	30
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.34		ng/L		109	50 - 150	4	30
Perfluorooctanesulfonic acid (PFOS)	7.44	8.11		ng/L		109	50 - 150	1	30
Perfluorononanesulfonic acid (PFNS)	7.70	8.27		ng/L		107	50 - 150	5	30
Perfluorodecanesulfonic acid (PFDS)	7.71	7.51		ng/L		97	50 - 150	3	30
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.94		ng/L		89	50 - 150	4	30
Perfluorooctanesulfonamide (FOSA)	8.00	8.29		ng/L		104	50 - 150	4	30
NEtFOSA	8.00	8.58		ng/L		107	50 - 150	0.4	30
NMeFOSA	8.00	8.24		ng/L		103	50 - 150	2	30
NMeFOSAA	8.00	8.76		ng/L		110	50 - 150	1	30
NEtFOSAA	8.00	9.99		ng/L		125	50 - 150	13	30
NMeFOSE	8.00	9.10		ng/L		114	50 - 150	4	30
NEtFOSE	8.00	9.69		ng/L		121	50 - 150	6	30
4:2 FTS	7.50	8.43		ng/L		112	50 - 150	5	30
6:2 FTS	7.62	7.29		ng/L		96	50 - 150	2	30
8:2 FTS	7.68	7.42		ng/L		97	50 - 150	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.39		ng/L		111	50 - 150	6	30
HFPO-DA (GenX)	8.00	8.36		ng/L		105	50 - 150	1	30
9Cl-PF3ONS	7.47	9.26		ng/L		124	50 - 150	16	30
11Cl-PF3OUdS	7.55	8.34		ng/L		110	50 - 150	4	30

Isotope Dilution	LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	105		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCSD 320-749852/3-A**  
**Matrix: Water**  
**Analysis Batch: 750724**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 749852**

Isotope Dilution	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	96		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	103		25 - 150
13C2 PFUnA	87		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	94		25 - 150
13C3 PFBS	93		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	98		10 - 150
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	89		25 - 150
d-N-MeFOSA-M	75		10 - 150
d-N-EtFOSA-M	85		10 - 150
d7-N-MeFOSE-M	98		10 - 150
d9-N-EtFOSE-M	95		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	104		25 - 150
M2-8:2 FTS	105		25 - 150
13C3 HFPO-DA	101		25 - 150

**Lab Sample ID: MB 320-753142/1-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		04/08/24 04:38	04/09/24 14:54	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		04/08/24 04:38	04/09/24 14:54	1
NEtFOSA	<0.87		2.0	0.87	ng/L		04/08/24 04:38	04/09/24 14:54	1

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: MB 320-753142/1-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		04/08/24 04:38	04/09/24 14:54	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/08/24 04:38	04/09/24 14:54	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/08/24 04:38	04/09/24 14:54	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/08/24 04:38	04/09/24 14:54	1
NEtFOSE	<0.85		2.0	0.85	ng/L		04/08/24 04:38	04/09/24 14:54	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 14:54	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/08/24 04:38	04/09/24 14:54	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/08/24 04:38	04/09/24 14:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/08/24 04:38	04/09/24 14:54	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/08/24 04:38	04/09/24 14:54	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/08/24 04:38	04/09/24 14:54	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/08/24 04:38	04/09/24 14:54	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C5 PFPeA	82		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C2 PFHxA	95		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C4 PFHpA	98		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C4 PFOA	98		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C5 PFNA	95		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C2 PFDA	100		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C2 PFUnA	92		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C2 PFDoA	96		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C2 PFTeDA	94		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C3 PFBS	86		25 - 150	04/08/24 04:38	04/09/24 14:54	1
18O2 PFHxS	92		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C4 PFOS	94		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C8 FOSA	87		10 - 150	04/08/24 04:38	04/09/24 14:54	1
d3-NMeFOSAA	106		25 - 150	04/08/24 04:38	04/09/24 14:54	1
d5-NEtFOSAA	105		25 - 150	04/08/24 04:38	04/09/24 14:54	1
d-N-MeFOSA-M	82		10 - 150	04/08/24 04:38	04/09/24 14:54	1
d-N-EtFOSA-M	84		10 - 150	04/08/24 04:38	04/09/24 14:54	1
d7-N-MeFOSE-M	84		10 - 150	04/08/24 04:38	04/09/24 14:54	1
d9-N-EtFOSE-M	82		10 - 150	04/08/24 04:38	04/09/24 14:54	1
M2-4:2 FTS	91		25 - 150	04/08/24 04:38	04/09/24 14:54	1
M2-6:2 FTS	88		25 - 150	04/08/24 04:38	04/09/24 14:54	1
M2-8:2 FTS	91		25 - 150	04/08/24 04:38	04/09/24 14:54	1
13C3 HFPO-DA	83		25 - 150	04/08/24 04:38	04/09/24 14:54	1

**Lab Sample ID: LCS 320-753142/3-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	160	149		ng/L		93	60 - 135
Perfluoropentanoic acid (PFPeA)	160	152		ng/L		95	60 - 135
Perfluorohexanoic acid (PFHxA)	160	137		ng/L		86	60 - 135
Perfluoroheptanoic acid (PFHpA)	160	148		ng/L		92	60 - 135

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCS 320-753142/3-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid (PFOA)	160	151		ng/L		94	60 - 135
Perfluorononanoic acid (PFNA)	160	161		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	160	155		ng/L		97	60 - 135
Perfluoroundecanoic acid (PFUnA)	160	157		ng/L		98	60 - 135
Perfluorododecanoic acid (PFDoA)	160	145		ng/L		91	60 - 135
Perfluorotridecanoic acid (PFTrDA)	160	142		ng/L		88	60 - 135
Perfluorotetradecanoic acid (PFTeA)	160	160		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	142	146		ng/L		103	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	150	161		ng/L		107	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	146	134		ng/L		92	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	153	156		ng/L		102	60 - 135
Perfluorooctanesulfonic acid (PFOS)	149	152		ng/L		102	60 - 135
Perfluorononanesulfonic acid (PFNS)	154	161		ng/L		105	60 - 135
Perfluorodecanesulfonic acid (PFDS)	154	162		ng/L		105	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	155	153		ng/L		98	60 - 135
Perfluorooctanesulfonamide (FOSA)	160	155		ng/L		97	60 - 135
NEtFOSA	160	158		ng/L		99	60 - 135
NMeFOSA	160	161		ng/L		101	60 - 135
NMeFOSAA	160	165		ng/L		103	60 - 135
NEtFOSAA	160	160		ng/L		100	60 - 135
NMeFOSE	160	154		ng/L		96	60 - 135
NEtFOSE	160	163		ng/L		102	60 - 135
4:2 FTS	150	136		ng/L		90	60 - 135
6:2 FTS	152	143		ng/L		94	60 - 135
8:2 FTS	154	152		ng/L		99	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	138		ng/L		91	60 - 135
HFPO-DA (GenX)	160	170		ng/L		106	60 - 135
9Cl-PF3ONS	149	150		ng/L		100	60 - 135
11Cl-PF3OUdS	151	147		ng/L		97	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	83		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	103		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCS 320-753142/3-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFUnA	101		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	99		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	99		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	109		25 - 150
d5-NEtFOSAA	109		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	95		10 - 150
d7-N-MeFOSE-M	95		10 - 150
d9-N-EtFOSE-M	85		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	98		25 - 150
13C3 HFPO-DA	93		25 - 150

**Lab Sample ID: LCSD 320-753142/4-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	160	153		ng/L		96	60 - 135	3	30	
Perfluoropentanoic acid (PFPeA)	160	150		ng/L		94	60 - 135	2	30	
Perfluorohexanoic acid (PFHxA)	160	148		ng/L		93	60 - 135	8	30	
Perfluoroheptanoic acid (PFHpA)	160	154		ng/L		96	60 - 135	4	30	
Perfluorooctanoic acid (PFOA)	160	155		ng/L		97	60 - 135	3	30	
Perfluorononanoic acid (PFNA)	160	166		ng/L		104	60 - 135	3	30	
Perfluorodecanoic acid (PFDA)	160	150		ng/L		94	60 - 135	3	30	
Perfluoroundecanoic acid (PFUnA)	160	153		ng/L		96	60 - 135	2	30	
Perfluorododecanoic acid (PFDoA)	160	143		ng/L		90	60 - 135	1	30	
Perfluorotridecanoic acid (PFTTrDA)	160	145		ng/L		91	60 - 135	2	30	
Perfluorotetradecanoic acid (PFTeA)	160	157		ng/L		98	60 - 135	2	30	
Perfluorobutanesulfonic acid (PFBS)	142	135		ng/L		95	60 - 135	7	30	
Perfluoropentanesulfonic acid (PFPeS)	150	158		ng/L		105	60 - 135	2	30	
Perfluorohexanesulfonic acid (PFHxS)	146	136		ng/L		93	60 - 135	1	30	
Perfluoroheptanesulfonic acid (PFHpS)	153	149		ng/L		98	60 - 135	4	30	
Perfluorooctanesulfonic acid (PFOS)	149	150		ng/L		101	60 - 135	1	30	
Perfluorononanesulfonic acid (PFNS)	154	158		ng/L		103	60 - 135	2	30	
Perfluorodecanesulfonic acid (PFDS)	154	156		ng/L		101	60 - 135	3	30	

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LCSD 320-753142/4-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorododecanesulfonic acid (PFDoS)	155	155		ng/L		100	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA)	160	155		ng/L		97	60 - 135	0	30
NEtFOSA	160	153		ng/L		96	60 - 135	3	30
NMeFOSA	160	158		ng/L		99	60 - 135	2	30
NMeFOSAA	160	155		ng/L		97	60 - 135	6	30
NEtFOSAA	160	161		ng/L		101	60 - 135	1	30
NMeFOSE	160	150		ng/L		94	60 - 135	2	30
NEtFOSE	160	156		ng/L		97	60 - 135	5	30
4:2 FTS	150	136		ng/L		91	60 - 135	0	30
6:2 FTS	152	146		ng/L		96	60 - 135	2	30
8:2 FTS	154	149		ng/L		97	60 - 135	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	138		ng/L		91	60 - 135	0	30
HFPO-DA (GenX)	160	164		ng/L		103	60 - 135	3	30
9CI-PF3ONS	149	149		ng/L		100	60 - 135	0	30
11CI-PF3OUdS	151	147		ng/L		97	60 - 135	0	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	81		25 - 150
13C5 PFPeA	85		25 - 150
13C2 PFHxA	96		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	91		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	97		25 - 150
13C2 PFTeDA	98		25 - 150
13C3 PFBS	91		25 - 150
18O2 PFHxS	94		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	89		10 - 150
d3-NMeFOSAA	109		25 - 150
d5-NEtFOSAA	105		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	93		10 - 150
d7-N-MeFOSE-M	91		10 - 150
d9-N-EtFOSE-M	86		10 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	93		25 - 150
13C3 HFPO-DA	97		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: LLCS 320-753142/2-A**  
**Matrix: Water**  
**Analysis Batch: 753478**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 753142**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.61		ng/L		108	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.43		ng/L		118	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	9.23		ng/L		115	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.73		ng/L		109	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.84		ng/L		111	50 - 150
Perfluorononanoic acid (PFNA)	8.00	9.11		ng/L		114	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	9.34		ng/L		117	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	9.26		ng/L		116	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	9.89		ng/L		124	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	8.87		ng/L		111	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.95		ng/L		99	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	8.28		ng/L		117	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.51		ng/L		113	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.29		ng/L		100	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.53		ng/L		99	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.52		ng/L		101	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	7.49		ng/L		97	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.44		ng/L		97	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	7.51		ng/L		94	50 - 150
NMeFOSA	8.00	7.55		ng/L		94	50 - 150
NMeFOSAA	8.00	8.56		ng/L		107	50 - 150
NEtFOSAA	8.00	8.16		ng/L		102	50 - 150
NMeFOSE	8.00	7.27		ng/L		91	50 - 150
NEtFOSE	8.00	7.52		ng/L		94	50 - 150
4:2 FTS	7.50	8.27		ng/L		110	50 - 150
6:2 FTS	7.62	8.96		ng/L		118	50 - 150
8:2 FTS	7.68	8.16		ng/L		106	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	9.04		ng/L		119	50 - 150
HFPO-DA (GenX)	8.00	8.66		ng/L		108	50 - 150
9CI-PF3ONS	7.47	7.59		ng/L		102	50 - 150
11CI-PF3OUdS	7.55	8.67		ng/L		115	50 - 150
		<b>LLCS</b>	<b>LLCS</b>				
<b>Isotope Dilution</b>		<b>%Recovery</b>	<b>Qualifier</b>				<b>Limits</b>
13C4 PFBA		84					25 - 150
13C5 PFPeA		91					25 - 150
13C2 PFHxA		103					25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

Lab Sample ID: LLCS 320-753142/2-A  
 Matrix: Water  
 Analysis Batch: 753478

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 753142

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	101		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	102		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	93		25 - 150
13C4 PFOS	100		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	108		25 - 150
d5-NEtFOSAA	109		25 - 150
d-N-MeFOSA-M	86		10 - 150
d-N-EtFOSA-M	92		10 - 150
d7-N-MeFOSE-M	90		10 - 150
d9-N-EtFOSE-M	85		10 - 150
M2-4:2 FTS	101		25 - 150
M2-6:2 FTS	94		25 - 150
M2-8:2 FTS	97		25 - 150
13C3 HFPO-DA	91		25 - 150



# QC Association Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

## LCMS

### Prep Batch: 749831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-7	MP-01-(091-118)-202403	Total/NA	Water	3535	
320-110670-7 - DL	MP-01-(091-118)-202403	Total/NA	Water	3535	
320-110670-8 - DL	MP-01-(051-088)-202403	Total/NA	Water	3535	
320-110670-8	MP-01-(051-088)-202403	Total/NA	Water	3535	
320-110670-9	MP-02-(279-300)-202403	Total/NA	Water	3535	
320-110670-9 - RA	MP-02-(279-300)-202403	Total/NA	Water	3535	
320-110670-10	MP-02-(253-276)-202403	Total/NA	Water	3535	
320-110670-11	MP-02-(223-250)-202403	Total/NA	Water	3535	
320-110670-12	MP-02-(198-220)-202403	Total/NA	Water	3535	
320-110670-12 - DL	MP-02-(198-220)-202403	Total/NA	Water	3535	
320-110670-13 - DL	MP-02-(153-195)-202403	Total/NA	Water	3535	
320-110670-13	MP-02-(153-195)-202403	Total/NA	Water	3535	
320-110670-14	MP-03-(280-300)-202403	Total/NA	Water	3535	
320-110670-15	MP-03-(245-277)-202403	Total/NA	Water	3535	
320-110670-16	MP-03-(220-242)-202403	Total/NA	Water	3535	
320-110670-17 - RA	MP-03-(190-217)-202403	Total/NA	Water	3535	
320-110670-17	MP-03-(190-217)-202403	Total/NA	Water	3535	
320-110670-18	MP-03-(160-187)-202403	Total/NA	Water	3535	
320-110670-19	MP-03-(120-157)-202403	Total/NA	Water	3535	
320-110670-20	MP-03-(083-117)-202403	Total/NA	Water	3535	
320-110670-21	MP-03-(046-080)-202403	Total/NA	Water	3535	
320-110670-22	MP-04-(275-291)-202403	Total/NA	Water	3535	
320-110670-23	MP-04-(245-272)-202403	Total/NA	Water	3535	
320-110670-24	MP-04-(220-242)-202403	Total/NA	Water	3535	
320-110670-25	MP-04-(195-217)-202403	Total/NA	Water	3535	
320-110670-26 - DL	MP-04-(155-192)-202403	Total/NA	Water	3535	
320-110670-26	MP-04-(155-192)-202403	Total/NA	Water	3535	
MB 320-749831/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-749831/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-749831/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-749831/2-A	Lab Control Sample	Total/NA	Water	3535	

### Prep Batch: 749833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-27 - DL	MP-04-(115-152)-202403	Total/NA	Water	3535	
320-110670-27	MP-04-(115-152)-202403	Total/NA	Water	3535	
320-110670-28	MP-04-(080-112)-202403	Total/NA	Water	3535	
320-110670-28 - DL	MP-04-(080-112)-202403	Total/NA	Water	3535	
320-110670-28 - RADL	MP-04-(080-112)-202403	Total/NA	Water	3535	
320-110670-29	MP-04-(048-077)-202403	Total/NA	Water	3535	
320-110670-30	MP-05-(SWL-065)-202403	Total/NA	Water	3535	
320-110670-31	MP-06-(148-178)-202403	Total/NA	Water	3535	
320-110670-32	MP-06-(113-145)-202403	Total/NA	Water	3535	
320-110670-33	MP-06-(73-110)-202403	Total/NA	Water	3535	
320-110670-47	MP-08-(48-77)-202403	Total/NA	Water	3535	
320-110670-47 - RA	MP-08-(48-77)-202403	Total/NA	Water	3535	
320-110670-48	DUP-01-202403	Total/NA	Water	3535	
320-110670-49 - DL	DUP-02-202403	Total/NA	Water	3535	
320-110670-49	DUP-02-202403	Total/NA	Water	3535	
320-110670-50	DUP-03-202403	Total/NA	Water	3535	
MB 320-749833/1-A	Method Blank	Total/NA	Water	3535	

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## LCMS (Continued)

### Prep Batch: 749833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-749833/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-749833/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-749833/2-A	Lab Control Sample	Total/NA	Water	3535	

### Prep Batch: 749852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-1	MP-01-(277-293)-202403	Total/NA	Water	3535	
320-110670-2	MP-01-(253-274)-202403	Total/NA	Water	3535	
320-110670-3	MP-01-(223-250)-202403	Total/NA	Water	3535	
320-110670-4	MP-01-(198-220)-202403	Total/NA	Water	3535	
320-110670-5 - DL	MP-01-(155-195)-202403	Total/NA	Water	3535	
320-110670-5	MP-01-(155-195)-202403	Total/NA	Water	3535	
320-110670-6	MP-01-(121-152)-202403	Total/NA	Water	3535	
320-110670-6 - DL	MP-01-(121-152)-202403	Total/NA	Water	3535	
320-110670-6 - RADL	MP-01-(121-152)-202403	Total/NA	Water	3535	
320-110670-51	DUP-04-202403	Total/NA	Water	3535	
320-110670-52	DUP-05-202403	Total/NA	Water	3535	
320-110670-53 - DL	DUP-06-202403	Total/NA	Water	3535	
320-110670-53	DUP-06-202403	Total/NA	Water	3535	
320-110670-54 - DL	DUP-07-202403	Total/NA	Water	3535	
320-110670-54	DUP-07-202403	Total/NA	Water	3535	
320-110670-55	DUP-08-202403	Total/NA	Water	3535	
320-110670-56	FB-01-202403	Total/NA	Water	3535	
320-110670-57	EB-01-202403	Total/NA	Water	3535	
320-110670-58	EB-02-202403	Total/NA	Water	3535	
320-110670-58 - RA	EB-02-202403	Total/NA	Water	3535	
320-110670-59	EB-03-202403	Total/NA	Water	3535	
320-110670-60	EB-04-202403	Total/NA	Water	3535	
320-110670-61	EB-05-202403	Total/NA	Water	3535	
320-110670-62	EB-06-202403	Total/NA	Water	3535	
320-110670-63	EB-07-202403	Total/NA	Water	3535	
320-110670-64 - RA	EB-08-202403	Total/NA	Water	3535	
320-110670-64	EB-08-202403	Total/NA	Water	3535	
MB 320-749852/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-749852/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-749852/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 750724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-1	MP-01-(277-293)-202403	Total/NA	Water	537 (modified)	749852
320-110670-2	MP-01-(253-274)-202403	Total/NA	Water	537 (modified)	749852
320-110670-3	MP-01-(223-250)-202403	Total/NA	Water	537 (modified)	749852
320-110670-4	MP-01-(198-220)-202403	Total/NA	Water	537 (modified)	749852
320-110670-5	MP-01-(155-195)-202403	Total/NA	Water	537 (modified)	749852
320-110670-6	MP-01-(121-152)-202403	Total/NA	Water	537 (modified)	749852
320-110670-51	DUP-04-202403	Total/NA	Water	537 (modified)	749852
320-110670-52	DUP-05-202403	Total/NA	Water	537 (modified)	749852
320-110670-53	DUP-06-202403	Total/NA	Water	537 (modified)	749852
320-110670-54	DUP-07-202403	Total/NA	Water	537 (modified)	749852
320-110670-55	DUP-08-202403	Total/NA	Water	537 (modified)	749852
320-110670-56	FB-01-202403	Total/NA	Water	537 (modified)	749852

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# QC Association Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

## LCMS (Continued)

### Analysis Batch: 750724 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-57	EB-01-202403	Total/NA	Water	537 (modified)	749852
320-110670-58	EB-02-202403	Total/NA	Water	537 (modified)	749852
320-110670-59	EB-03-202403	Total/NA	Water	537 (modified)	749852
320-110670-60	EB-04-202403	Total/NA	Water	537 (modified)	749852
320-110670-61	EB-05-202403	Total/NA	Water	537 (modified)	749852
320-110670-62	EB-06-202403	Total/NA	Water	537 (modified)	749852
320-110670-63	EB-07-202403	Total/NA	Water	537 (modified)	749852
320-110670-64	EB-08-202403	Total/NA	Water	537 (modified)	749852
MB 320-749852/1-A	Method Blank	Total/NA	Water	537 (modified)	749852
LLCS 320-749852/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	749852
LLCSD 320-749852/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	749852

### Analysis Batch: 750731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-7	MP-01-(091-118)-202403	Total/NA	Water	537 (modified)	749831
320-110670-8	MP-01-(051-088)-202403	Total/NA	Water	537 (modified)	749831
320-110670-9	MP-02-(279-300)-202403	Total/NA	Water	537 (modified)	749831
320-110670-10	MP-02-(253-276)-202403	Total/NA	Water	537 (modified)	749831
320-110670-11	MP-02-(223-250)-202403	Total/NA	Water	537 (modified)	749831
320-110670-12	MP-02-(198-220)-202403	Total/NA	Water	537 (modified)	749831
320-110670-13	MP-02-(153-195)-202403	Total/NA	Water	537 (modified)	749831
320-110670-14	MP-03-(280-300)-202403	Total/NA	Water	537 (modified)	749831
320-110670-15	MP-03-(245-277)-202403	Total/NA	Water	537 (modified)	749831
320-110670-16	MP-03-(220-242)-202403	Total/NA	Water	537 (modified)	749831
320-110670-17	MP-03-(190-217)-202403	Total/NA	Water	537 (modified)	749831
320-110670-18	MP-03-(160-187)-202403	Total/NA	Water	537 (modified)	749831
320-110670-19	MP-03-(120-157)-202403	Total/NA	Water	537 (modified)	749831
320-110670-20	MP-03-(083-117)-202403	Total/NA	Water	537 (modified)	749831
320-110670-21	MP-03-(046-080)-202403	Total/NA	Water	537 (modified)	749831
320-110670-22	MP-04-(275-291)-202403	Total/NA	Water	537 (modified)	749831
320-110670-23	MP-04-(245-272)-202403	Total/NA	Water	537 (modified)	749831
320-110670-24	MP-04-(220-242)-202403	Total/NA	Water	537 (modified)	749831
320-110670-25	MP-04-(195-217)-202403	Total/NA	Water	537 (modified)	749831
320-110670-26	MP-04-(155-192)-202403	Total/NA	Water	537 (modified)	749831
MB 320-749831/1-A	Method Blank	Total/NA	Water	537 (modified)	749831
LCS 320-749831/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	749831
LCSD 320-749831/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	749831
LLCS 320-749831/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	749831

### Analysis Batch: 750738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-27	MP-04-(115-152)-202403	Total/NA	Water	537 (modified)	749833
320-110670-28	MP-04-(080-112)-202403	Total/NA	Water	537 (modified)	749833
320-110670-29	MP-04-(048-077)-202403	Total/NA	Water	537 (modified)	749833
320-110670-30	MP-05-(SWL-065)-202403	Total/NA	Water	537 (modified)	749833
320-110670-31	MP-06-(148-178)-202403	Total/NA	Water	537 (modified)	749833
320-110670-32	MP-06-(113-145)-202403	Total/NA	Water	537 (modified)	749833
320-110670-33	MP-06-(73-110)-202403	Total/NA	Water	537 (modified)	749833
320-110670-47	MP-08-(48-77)-202403	Total/NA	Water	537 (modified)	749833
320-110670-48	DUP-01-202403	Total/NA	Water	537 (modified)	749833
320-110670-49	DUP-02-202403	Total/NA	Water	537 (modified)	749833

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## LCMS (Continued)

### Analysis Batch: 750738 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-50	DUP-03-202403	Total/NA	Water	537 (modified)	749833
MB 320-749833/1-A	Method Blank	Total/NA	Water	537 (modified)	749833
LCS 320-749833/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	749833
LCSD 320-749833/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	749833
LLCS 320-749833/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	749833

### Analysis Batch: 751192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-5 - DL	MP-01-(155-195)-202403	Total/NA	Water	537 (modified)	749852
320-110670-6 - DL	MP-01-(121-152)-202403	Total/NA	Water	537 (modified)	749852
320-110670-7 - DL	MP-01-(091-118)-202403	Total/NA	Water	537 (modified)	749831
320-110670-8 - DL	MP-01-(051-088)-202403	Total/NA	Water	537 (modified)	749831
320-110670-9 - RA	MP-02-(279-300)-202403	Total/NA	Water	537 (modified)	749831
320-110670-12 - DL	MP-02-(198-220)-202403	Total/NA	Water	537 (modified)	749831
320-110670-13 - DL	MP-02-(153-195)-202403	Total/NA	Water	537 (modified)	749831
320-110670-17 - RA	MP-03-(190-217)-202403	Total/NA	Water	537 (modified)	749831
320-110670-26 - DL	MP-04-(155-192)-202403	Total/NA	Water	537 (modified)	749831
320-110670-27 - DL	MP-04-(115-152)-202403	Total/NA	Water	537 (modified)	749833
320-110670-47 - RA	MP-08-(48-77)-202403	Total/NA	Water	537 (modified)	749833
320-110670-54 - DL	DUP-07-202403	Total/NA	Water	537 (modified)	749852
320-110670-58 - RA	EB-02-202403	Total/NA	Water	537 (modified)	749852
320-110670-64 - RA	EB-08-202403	Total/NA	Water	537 (modified)	749852

### Analysis Batch: 751604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-6 - RADL	MP-01-(121-152)-202403	Total/NA	Water	537 (modified)	749852
320-110670-28 - DL	MP-04-(080-112)-202403	Total/NA	Water	537 (modified)	749833
320-110670-49 - DL	DUP-02-202403	Total/NA	Water	537 (modified)	749833
320-110670-53 - DL	DUP-06-202403	Total/NA	Water	537 (modified)	749852

### Analysis Batch: 752057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-28 - RADL	MP-04-(080-112)-202403	Total/NA	Water	537 (modified)	749833

### Prep Batch: 753142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-34	MP-06-(36-70)-202403	Total/NA	Water	3535	
320-110670-35	MP-06-(21-33)-202403	Total/NA	Water	3535	
320-110670-36	MP-07-(220-258)-202403	Total/NA	Water	3535	
320-110670-37	MP-07-(195-217)-202403	Total/NA	Water	3535	
320-110670-38	MP-07-(155-192)-202403	Total/NA	Water	3535	
320-110670-39	MP-07-(115-152)-202403	Total/NA	Water	3535	
320-110670-39 - DL	MP-07-(115-152)-202403	Total/NA	Water	3535	
320-110670-40	MP-07-(80-112)-202403	Total/NA	Water	3535	
320-110670-41	MP-07-(48-77)-202403	Total/NA	Water	3535	
320-110670-42	MP-08-(220-246)-202403	Total/NA	Water	3535	
320-110670-43	MP-08-(195-217)-202403	Total/NA	Water	3535	
320-110670-44	MP-08-(155-192)-202403	Total/NA	Water	3535	
320-110670-45	MP-08-(115-152)-202403	Total/NA	Water	3535	
320-110670-46	MP-08-(80-112)-202403	Total/NA	Water	3535	
MB 320-753142/1-A	Method Blank	Total/NA	Water	3535	

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# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## LCMS (Continued)

### Prep Batch: 753142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-753142/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-753142/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-753142/2-A	Lab Control Sample	Total/NA	Water	3535	

### Analysis Batch: 753478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-34	MP-06-(36-70)-202403	Total/NA	Water	537 (modified)	753142
320-110670-35	MP-06-(21-33)-202403	Total/NA	Water	537 (modified)	753142
320-110670-36	MP-07-(220-258)-202403	Total/NA	Water	537 (modified)	753142
320-110670-37	MP-07-(195-217)-202403	Total/NA	Water	537 (modified)	753142
320-110670-38	MP-07-(155-192)-202403	Total/NA	Water	537 (modified)	753142
320-110670-39	MP-07-(115-152)-202403	Total/NA	Water	537 (modified)	753142
320-110670-40	MP-07-(80-112)-202403	Total/NA	Water	537 (modified)	753142
320-110670-41	MP-07-(48-77)-202403	Total/NA	Water	537 (modified)	753142
320-110670-42	MP-08-(220-246)-202403	Total/NA	Water	537 (modified)	753142
320-110670-43	MP-08-(195-217)-202403	Total/NA	Water	537 (modified)	753142
320-110670-44	MP-08-(155-192)-202403	Total/NA	Water	537 (modified)	753142
320-110670-45	MP-08-(115-152)-202403	Total/NA	Water	537 (modified)	753142
320-110670-46	MP-08-(80-112)-202403	Total/NA	Water	537 (modified)	753142
MB 320-753142/1-A	Method Blank	Total/NA	Water	537 (modified)	753142
LCS 320-753142/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	753142
LCSD 320-753142/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	753142
LLCS 320-753142/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	753142

### Analysis Batch: 754390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-110670-39 - DL	MP-07-(115-152)-202403	Total/NA	Water	537 (modified)	753142

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(277-293)-202403**

**Lab Sample ID: 320-110670-1**

Date Collected: 03/20/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.5 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 17:31	S1C	EET SAC

**Client Sample ID: MP-01-(253-274)-202403**

**Lab Sample ID: 320-110670-2**

Date Collected: 03/20/24 11:55

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			200.7 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 17:41	S1C	EET SAC

**Client Sample ID: MP-01-(223-250)-202403**

**Lab Sample ID: 320-110670-3**

Date Collected: 03/20/24 12:05

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			215.3 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 17:51	S1C	EET SAC

**Client Sample ID: MP-01-(198-220)-202403**

**Lab Sample ID: 320-110670-4**

Date Collected: 03/20/24 12:25

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.6 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 18:01	S1C	EET SAC

**Client Sample ID: MP-01-(155-195)-202403**

**Lab Sample ID: 320-110670-5**

Date Collected: 03/20/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			209.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 18:11	S1C	EET SAC
Total/NA	Prep	3535	DL		209.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			751192	03/29/24 21:11	S1C	EET SAC

**Client Sample ID: MP-01-(121-152)-202403**

**Lab Sample ID: 320-110670-6**

Date Collected: 03/20/24 12:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			226.3 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 18:21	S1C	EET SAC
Total/NA	Prep	3535	DL		226.3 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			751192	03/29/24 21:22	S1C	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-01-(121-152)-202403**

**Lab Sample ID: 320-110670-6**

Date Collected: 03/20/24 12:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RADL		226.3 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	RADL	50			751604	04/01/24 22:15	C1P	EET SAC

**Client Sample ID: MP-01-(091-118)-202403**

**Lab Sample ID: 320-110670-7**

Date Collected: 03/20/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			208.4 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/27/24 23:42	AP1	EET SAC
Total/NA	Prep	3535	DL		208.4 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			751192	03/29/24 22:42	S1C	EET SAC

**Client Sample ID: MP-01-(051-088)-202403**

**Lab Sample ID: 320-110670-8**

Date Collected: 03/20/24 13:05

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			214.7 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/27/24 23:52	AP1	EET SAC
Total/NA	Prep	3535	DL		214.7 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			751192	03/29/24 22:52	S1C	EET SAC

**Client Sample ID: MP-02-(279-300)-202403**

**Lab Sample ID: 320-110670-9**

Date Collected: 03/20/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			241.5 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 00:02	AP1	EET SAC
Total/NA	Prep	3535	RA		241.5 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	RA	1			751192	03/29/24 22:22	S1C	EET SAC

**Client Sample ID: MP-02-(253-276)-202403**

**Lab Sample ID: 320-110670-10**

Date Collected: 03/20/24 10:15

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.1 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 00:12	AP1	EET SAC

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-02-(223-250)-202403**

**Lab Sample ID: 320-110670-11**

Date Collected: 03/20/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			205.7 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 00:22	AP1	EET SAC

**Client Sample ID: MP-02-(198-220)-202403**

**Lab Sample ID: 320-110670-12**

Date Collected: 03/20/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			216.4 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 00:32	AP1	EET SAC
Total/NA	Prep	3535	DL		216.4 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	5			751192	03/29/24 23:02	S1C	EET SAC

**Client Sample ID: MP-02-(153-195)-202403**

**Lab Sample ID: 320-110670-13**

Date Collected: 03/20/24 10:55

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246.3 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:02	AP1	EET SAC
Total/NA	Prep	3535	DL		246.3 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751192	03/29/24 23:12	S1C	EET SAC

**Client Sample ID: MP-03-(280-300)-202403**

**Lab Sample ID: 320-110670-14**

Date Collected: 03/19/24 13:20

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.9 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:13	AP1	EET SAC

**Client Sample ID: MP-03-(245-277)-202403**

**Lab Sample ID: 320-110670-15**

Date Collected: 03/19/24 13:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			203 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:23	AP1	EET SAC

**Client Sample ID: MP-03-(220-242)-202403**

**Lab Sample ID: 320-110670-16**

Date Collected: 03/19/24 13:45

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.7 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:33	AP1	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-03-(190-217)-202403**

**Lab Sample ID: 320-110670-17**

**Date Collected: 03/19/24 13:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.2 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:43	AP1	EET SAC
Total/NA	Prep	3535	RA		250.2 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	RA	1			751192	03/29/24 22:32	S1C	EET SAC

**Client Sample ID: MP-03-(160-187)-202403**

**Lab Sample ID: 320-110670-18**

**Date Collected: 03/19/24 14:20**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.5 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 01:53	AP1	EET SAC

**Client Sample ID: MP-03-(120-157)-202403**

**Lab Sample ID: 320-110670-19**

**Date Collected: 03/19/24 14:30**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 02:03	AP1	EET SAC

**Client Sample ID: MP-03-(083-117)-202403**

**Lab Sample ID: 320-110670-20**

**Date Collected: 03/19/24 14:40**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.6 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 02:13	AP1	EET SAC

**Client Sample ID: MP-03-(046-080)-202403**

**Lab Sample ID: 320-110670-21**

**Date Collected: 03/19/24 14:55**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			196.6 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 02:23	AP1	EET SAC

**Client Sample ID: MP-04-(275-291)-202403**

**Lab Sample ID: 320-110670-22**

**Date Collected: 03/19/24 08:15**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.1 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 02:33	AP1	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(245-272)-202403**

**Lab Sample ID: 320-110670-23**

Date Collected: 03/19/24 08:30

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			203.1 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 03:03	AP1	EET SAC

**Client Sample ID: MP-04-(220-242)-202403**

**Lab Sample ID: 320-110670-24**

Date Collected: 03/19/24 08:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.5 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 03:13	AP1	EET SAC

**Client Sample ID: MP-04-(195-217)-202403**

**Lab Sample ID: 320-110670-25**

Date Collected: 03/19/24 09:10

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			239.2 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 03:23	AP1	EET SAC

**Client Sample ID: MP-04-(155-192)-202403**

**Lab Sample ID: 320-110670-26**

Date Collected: 03/19/24 09:30

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			206.1 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750731	03/28/24 03:33	AP1	EET SAC
Total/NA	Prep	3535	DL		206.1 mL	10.0 mL	749831	03/25/24 11:05	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	5			751192	03/29/24 23:22	S1C	EET SAC

**Client Sample ID: MP-04-(115-152)-202403**

**Lab Sample ID: 320-110670-27**

Date Collected: 03/19/24 09:40

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			245.8 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:03	AP1	EET SAC
Total/NA	Prep	3535	DL		245.8 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	20			751192	03/29/24 20:11	S1C	EET SAC

**Client Sample ID: MP-04-(080-112)-202403**

**Lab Sample ID: 320-110670-28**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.9 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:13	AP1	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-04-(080-112)-202403**

**Lab Sample ID: 320-110670-28**

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		231.9 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751604	04/01/24 23:45	C1P	EET SAC
Total/NA	Prep	3535	RADL		231.9 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)	RADL	10			752057	04/03/24 13:23	AP1	EET SAC

**Client Sample ID: MP-04-(048-077)-202403**

**Lab Sample ID: 320-110670-29**

Date Collected: 03/19/24 10:05

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			185.7 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:23	AP1	EET SAC

**Client Sample ID: MP-05-(SWL-065)-202403**

**Lab Sample ID: 320-110670-30**

Date Collected: 03/18/24 15:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			201.5 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:33	AP1	EET SAC

**Client Sample ID: MP-06-(148-178)-202403**

**Lab Sample ID: 320-110670-31**

Date Collected: 03/19/24 10:55

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.9 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:43	AP1	EET SAC

**Client Sample ID: MP-06-(113-145)-202403**

**Lab Sample ID: 320-110670-32**

Date Collected: 03/19/24 11:30

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.4 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 05:53	AP1	EET SAC

**Client Sample ID: MP-06-(73-110)-202403**

**Lab Sample ID: 320-110670-33**

Date Collected: 03/19/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.4 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 06:24	AP1	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-06-(36-70)-202403**

**Lab Sample ID: 320-110670-34**

Date Collected: 03/19/24 11:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.2 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 15:43	C1P	EET SAC

**Client Sample ID: MP-06-(21-33)-202403**

**Lab Sample ID: 320-110670-35**

Date Collected: 03/19/24 12:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			216 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 15:55	C1P	EET SAC

**Client Sample ID: MP-07-(220-258)-202403**

**Lab Sample ID: 320-110670-36**

Date Collected: 03/18/24 12:45

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232.9 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 16:08	C1P	EET SAC

**Client Sample ID: MP-07-(195-217)-202403**

**Lab Sample ID: 320-110670-37**

Date Collected: 03/18/24 13:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.6 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 16:20	C1P	EET SAC

**Client Sample ID: MP-07-(155-192)-202403**

**Lab Sample ID: 320-110670-38**

Date Collected: 03/18/24 13:25

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.6 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 16:32	C1P	EET SAC

**Client Sample ID: MP-07-(115-152)-202403**

**Lab Sample ID: 320-110670-39**

Date Collected: 03/18/24 13:40

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.9 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 16:45	C1P	EET SAC
Total/NA	Prep	3535	DL		230.9 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)	DL	5			754390	04/13/24 10:33	CV	EET SAC

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# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-07-(80-112)-202403**

**Lab Sample ID: 320-110670-40**

Date Collected: 03/18/24 13:55

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.5 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 17:22	C1P	EET SAC

**Client Sample ID: MP-07-(48-77)-202403**

**Lab Sample ID: 320-110670-41**

Date Collected: 03/18/24 14:10

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			200.8 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 17:34	C1P	EET SAC

**Client Sample ID: MP-08-(220-246)-202403**

**Lab Sample ID: 320-110670-42**

Date Collected: 03/18/24 10:25

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.5 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 17:46	C1P	EET SAC

**Client Sample ID: MP-08-(195-217)-202403**

**Lab Sample ID: 320-110670-43**

Date Collected: 03/18/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			236.5 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 17:59	C1P	EET SAC

**Client Sample ID: MP-08-(155-192)-202403**

**Lab Sample ID: 320-110670-44**

Date Collected: 03/18/24 11:10

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.7 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 18:11	C1P	EET SAC

**Client Sample ID: MP-08-(115-152)-202403**

**Lab Sample ID: 320-110670-45**

Date Collected: 03/18/24 11:25

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			243.2 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 18:23	C1P	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

**Client Sample ID: MP-08-(80-112)-202403**

**Lab Sample ID: 320-110670-46**

Date Collected: 03/18/24 11:30

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.9 mL	10.0 mL	753142	04/08/24 04:38	A1W	EET SAC
Total/NA	Analysis	537 (modified)		1			753478	04/09/24 18:36	C1P	EET SAC

**Client Sample ID: MP-08-(48-77)-202403**

**Lab Sample ID: 320-110670-47**

Date Collected: 03/18/24 11:40

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			201.7 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 06:34	AP1	EET SAC
Total/NA	Prep	3535	RA		201.7 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)	RA	1			751192	03/29/24 19:21	S1C	EET SAC

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

**Lab Sample ID: 320-110670-48**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.3 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 06:44	AP1	EET SAC

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

**Lab Sample ID: 320-110670-49**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 06:54	AP1	EET SAC
Total/NA	Prep	3535	DL		251 mL	10.0 mL	749833	03/25/24 11:06	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	5			751604	04/01/24 23:55	C1P	EET SAC

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

**Lab Sample ID: 320-110670-50**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			195.5 mL	10.0 mL	749833	03/25/24 11:28	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			750738	03/28/24 07:04	AP1	EET SAC

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

**Lab Sample ID: 320-110670-51**

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.7 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 18:31	S1C	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

## Client Sample ID: DUP-05-202403

## Lab Sample ID: 320-110670-52

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220.3 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:01	S1C	EET SAC

## Client Sample ID: DUP-06-202403

## Lab Sample ID: 320-110670-53

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:11	S1C	EET SAC
Total/NA	Prep	3535	DL		248.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751604	04/01/24 22:25	C1P	EET SAC

## Client Sample ID: DUP-07-202403

## Lab Sample ID: 320-110670-54

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			245.5 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:21	S1C	EET SAC
Total/NA	Prep	3535	DL		245.5 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	10			751192	03/29/24 21:32	S1C	EET SAC

## Client Sample ID: DUP-08-202403

## Lab Sample ID: 320-110670-55

Date Collected: 03/18/24 00:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.4 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:31	S1C	EET SAC

## Client Sample ID: FB-01-202403

## Lab Sample ID: 320-110670-56

Date Collected: 03/19/24 09:50

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:41	S1C	EET SAC

## Client Sample ID: EB-01-202403

## Lab Sample ID: 320-110670-57

Date Collected: 03/18/24 10:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.4 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 19:51	S1C	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-58**

Date Collected: 03/18/24 12:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			228 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 20:01	S1C	EET SAC
Total/NA	Prep	3535	RA		228 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	RA	1			751192	03/29/24 20:51	S1C	EET SAC

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

**Lab Sample ID: 320-110670-59**

Date Collected: 03/18/24 15:05

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 20:11	S1C	EET SAC

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

**Lab Sample ID: 320-110670-60**

Date Collected: 03/19/24 08:15

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 20:21	S1C	EET SAC

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

**Lab Sample ID: 320-110670-61**

Date Collected: 03/19/24 10:35

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.5 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 20:31	S1C	EET SAC

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

**Lab Sample ID: 320-110670-62**

Date Collected: 03/19/24 13:30

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 21:02	S1C	EET SAC

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

**Lab Sample ID: 320-110670-63**

Date Collected: 03/20/24 10:00

Matrix: Water

Date Received: 03/21/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.5 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 21:12	S1C	EET SAC

Eurofins Sacramento



# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

**Lab Sample ID: 320-110670-64**

**Date Collected: 03/20/24 11:40**

**Matrix: Water**

**Date Received: 03/21/24 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)		1			750724	03/27/24 21:22	S1C	EET SAC
Total/NA	Prep	3535	RA		266.2 mL	10.0 mL	749852	03/25/24 12:10	JS	EET SAC
Total/NA	Analysis	537 (modified)	RA	1			751192	03/29/24 21:01	S1C	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: 320-110670-1

## Laboratory: Eurofins Sacramento

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

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

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# Method Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

Job ID: 320-110670-1

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

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# Sample Summary

Client: TRC Environmental Corporation  
 Project/Site: 451482 RockGen

Job ID: 320-110670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-110670-1	MP-01-(277-293)-202403	Water	03/20/24 11:40	03/21/24 09:30
320-110670-2	MP-01-(253-274)-202403	Water	03/20/24 11:55	03/21/24 09:30
320-110670-3	MP-01-(223-250)-202403	Water	03/20/24 12:05	03/21/24 09:30
320-110670-4	MP-01-(198-220)-202403	Water	03/20/24 12:25	03/21/24 09:30
320-110670-5	MP-01-(155-195)-202403	Water	03/20/24 12:35	03/21/24 09:30
320-110670-6	MP-01-(121-152)-202403	Water	03/20/24 12:50	03/21/24 09:30
320-110670-7	MP-01-(091-118)-202403	Water	03/20/24 13:00	03/21/24 09:30
320-110670-8	MP-01-(051-088)-202403	Water	03/20/24 13:05	03/21/24 09:30
320-110670-9	MP-02-(279-300)-202403	Water	03/20/24 10:05	03/21/24 09:30
320-110670-10	MP-02-(253-276)-202403	Water	03/20/24 10:15	03/21/24 09:30
320-110670-11	MP-02-(223-250)-202403	Water	03/20/24 10:25	03/21/24 09:30
320-110670-12	MP-02-(198-220)-202403	Water	03/20/24 10:35	03/21/24 09:30
320-110670-13	MP-02-(153-195)-202403	Water	03/20/24 10:55	03/21/24 09:30
320-110670-14	MP-03-(280-300)-202403	Water	03/19/24 13:20	03/21/24 09:30
320-110670-15	MP-03-(245-277)-202403	Water	03/19/24 13:35	03/21/24 09:30
320-110670-16	MP-03-(220-242)-202403	Water	03/19/24 13:45	03/21/24 09:30
320-110670-17	MP-03-(190-217)-202403	Water	03/19/24 13:55	03/21/24 09:30
320-110670-18	MP-03-(160-187)-202403	Water	03/19/24 14:20	03/21/24 09:30
320-110670-19	MP-03-(120-157)-202403	Water	03/19/24 14:30	03/21/24 09:30
320-110670-20	MP-03-(083-117)-202403	Water	03/19/24 14:40	03/21/24 09:30
320-110670-21	MP-03-(046-080)-202403	Water	03/19/24 14:55	03/21/24 09:30
320-110670-22	MP-04-(275-291)-202403	Water	03/19/24 08:15	03/21/24 09:30
320-110670-23	MP-04-(245-272)-202403	Water	03/19/24 08:30	03/21/24 09:30
320-110670-24	MP-04-(220-242)-202403	Water	03/19/24 08:50	03/21/24 09:30
320-110670-25	MP-04-(195-217)-202403	Water	03/19/24 09:10	03/21/24 09:30
320-110670-26	MP-04-(155-192)-202403	Water	03/19/24 09:30	03/21/24 09:30
320-110670-27	MP-04-(115-152)-202403	Water	03/19/24 09:40	03/21/24 09:30
320-110670-28	MP-04-(080-112)-202403	Water	03/19/24 09:50	03/21/24 09:30
320-110670-29	MP-04-(048-077)-202403	Water	03/19/24 10:05	03/21/24 09:30
320-110670-30	MP-05-(SWL-065)-202403	Water	03/18/24 15:00	03/21/24 09:30
320-110670-31	MP-06-(148-178)-202403	Water	03/19/24 10:55	03/21/24 09:30
320-110670-32	MP-06-(113-145)-202403	Water	03/19/24 11:30	03/21/24 09:30
320-110670-33	MP-06-(73-110)-202403	Water	03/19/24 11:40	03/21/24 09:30
320-110670-34	MP-06-(36-70)-202403	Water	03/19/24 11:50	03/21/24 09:30
320-110670-35	MP-06-(21-33)-202403	Water	03/19/24 12:35	03/21/24 09:30
320-110670-36	MP-07-(220-258)-202403	Water	03/18/24 12:45	03/21/24 09:30
320-110670-37	MP-07-(195-217)-202403	Water	03/18/24 13:00	03/21/24 09:30
320-110670-38	MP-07-(155-192)-202403	Water	03/18/24 13:25	03/21/24 09:30
320-110670-39	MP-07-(115-152)-202403	Water	03/18/24 13:40	03/21/24 09:30
320-110670-40	MP-07-(80-112)-202403	Water	03/18/24 13:55	03/21/24 09:30
320-110670-41	MP-07-(48-77)-202403	Water	03/18/24 14:10	03/21/24 09:30
320-110670-42	MP-08-(220-246)-202403	Water	03/18/24 10:25	03/21/24 09:30
320-110670-43	MP-08-(195-217)-202403	Water	03/18/24 10:35	03/21/24 09:30
320-110670-44	MP-08-(155-192)-202403	Water	03/18/24 11:10	03/21/24 09:30
320-110670-45	MP-08-(115-152)-202403	Water	03/18/24 11:25	03/21/24 09:30
320-110670-46	MP-08-(80-112)-202403	Water	03/18/24 11:30	03/21/24 09:30
320-110670-47	MP-08-(48-77)-202403	Water	03/18/24 11:40	03/21/24 09:30
320-110670-48	DUP-01-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-49	DUP-02-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-50	DUP-03-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-51	DUP-04-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-52	DUP-05-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-53	DUP-06-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-54	DUP-07-202403	Water	03/18/24 00:00	03/21/24 09:30



# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: 451482 RockGen

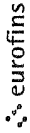
Job ID: 320-110670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-110670-55	DUP-08-202403	Water	03/18/24 00:00	03/21/24 09:30
320-110670-56	FB-01-202403	Water	03/19/24 09:50	03/21/24 09:30
320-110670-57	EB-01-202403	Water	03/18/24 10:00	03/21/24 09:30
320-110670-58	EB-02-202403	Water	03/18/24 12:00	03/21/24 09:30
320-110670-59	EB-03-202403	Water	03/18/24 15:05	03/21/24 09:30
320-110670-60	EB-04-202403	Water	03/19/24 08:15	03/21/24 09:30
320-110670-61	EB-05-202403	Water	03/19/24 10:35	03/21/24 09:30
320-110670-62	EB-06-202403	Water	03/19/24 13:30	03/21/24 09:30
320-110670-63	EB-07-202403	Water	03/20/24 10:00	03/21/24 09:30
320-110670-64	EB-08-202403	Water	03/20/24 11:40	03/21/24 09:30

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**Euro. TestAmerica, Sacramento**  
 880 Riverside Parkway  
 West Sacramento CA 95605  
 Phone (916) 373-5600 Phone (916) 372-1059

## Chain of Custody Record



Env rottime Testing  
 America

Client Information		Sampler		Lab Piv.	Carrier Tracking No(s):					
Address: 6737 W Washington Street, Suite 2100 City: West Allis State, Zip: WI 53214 Phone: 414 284 9247 Email: jramey@trccompanies.com		Marshal To/Scott Litwin Phone: 608-630-4732 E-Mail: micah.smith@et.eurofinsus.com		Micah Smith	COC No					
Due Date Requested:		TAT Requested (days): Standard 10-Day		State of Origin: Wisconsin						
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 178804		Page: 1/5						
Project Name: RockGen Phase 2		WO #: 178804		Job #:						
Site: RockGen		PWSID:		Preservation Codes:						
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Stormwater, Soil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (W1-3)	Total Number of Containers	Special Instructions/Note.
MP-01-(277-293)-202403	3/20/24	1140	G	GW	N	X	X	2		
MP-01-(253-274)-202403		1155	G	GW	N	X	X	2		
MP-01-(223-250)-202403		1205	G	GW	N	X	X	2		
MP-01-(198-220)-202403		1225	G	GW	N	X	X	2		
MP-01-(155-195)-202403		1235	G	GW	N	X	X	2		
MP-01-(121-152)-202403		1250	G	GW	N	X	X	2		
MP-01-(091-118)-202403		1300	G	GW	N	X	X	2		
MP-01-(051-088)-202403		1305	G	GW	N	X	X	2		
MP-02-(279-300)-202403	3/20/24	1005	G	GW	N	X	X	2		
MP-02-(253-276)-202403		1015	G	GW	N	X	X	2		
MP-02-(223-250)-202403		1025	G	GW	N	X	X	2		
MP-02-(198-220)-202403		1035	G	GW	N	X	X	2		
MP-02-(153-195)-202403		1055	G	GW	N	X	X	2		
MP-03-(280-300)-202403	3/19/24	1320	G	GW	N	X	X	2		
MP-03-(245-277)-202403	3/19/24	1335	G	GW	N	X	X	2		
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:		Date:		Method of Shipment:						
Relinquished by: Marshal To/		Date/Time: 3/20/2023		Company: TRC		Received by: <i>[Signature]</i>				
Relinquished by:		Date/Time:		Company:		Relinquished by: <i>[Signature]</i>				
Relinquished by:		Date/Time:		Company:		Relinquished 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: 3.0, 3.6, 3.3, 4.2						



**Chain of Custody Record**

<b>Client Information</b>		Sampler: Marshall Toffel/Scott Litwin		Lab PM: Micah Smith	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey		Phone: 608-630-4732		E-Mail: micah.smith@et.eurofins.com	State of Origin: Wisconsin	Page: 2/5
Company: TRC		PWSID:		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 #: Project #: 451482 SOW#:						
<b>Analysis Requested</b>						
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soils, Sewage, Oil, Sludge, Air)	Field Filtered Sample (Yes or No)
MP-03-(220-242)-202403	3/19/24	1345	G	GW		<input checked="" type="checkbox"/>
MP-03-(190-217)-202403		1355	G	GW		<input checked="" type="checkbox"/>
MP-03-(160-187)-202403		1420	G	GW		<input checked="" type="checkbox"/>
MP-03-(120-157)-202403		1430	G	GW		<input checked="" type="checkbox"/>
MP-03-(083-117)-202403		1440	G	GW		<input checked="" type="checkbox"/>
MP-03-(046-080)-202403		1455	G	GW		<input checked="" type="checkbox"/>
MP-04-(275-291)-202403	3/19/24	815	G	GW		<input checked="" type="checkbox"/>
MP-04-(245-272)-202403		830	G	GW		<input checked="" type="checkbox"/>
MP-04-(220-242)-202403		850	G	GW		<input checked="" type="checkbox"/>
MP-04-(195-217)-202403		910	G	GW		<input checked="" type="checkbox"/>
MP-04-(155-192)-202403		930	G	GW		<input checked="" type="checkbox"/>
MP-04-(115-152)-202403		940	G	GW		<input checked="" type="checkbox"/>
MP-04-(080-112)-202403		950	G	GW		<input checked="" type="checkbox"/>
MP-04-(048-077)-202403		1005	G	GW		<input checked="" type="checkbox"/>
MP-05-(SWL-065)-202403	3/19/24	1500	G	GW		<input checked="" type="checkbox"/>
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: _____ Date: _____ Relinquished by: Marshall Toffel Date/Time: 8/30/2023 Company: TRC Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____						
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks:						
Special Instructions/Note: Total Number of Containers: 2 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - 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						

**Euro** TestAmerica, Sacramento  
 880 Riverside Parkway  
 West Sacramento CA 95605  
 Phone (916) 373-5600 Phone (916) 372-1059

### Chain of Custody Record

**eurofins** Env to me <sup>Res-Ins</sup> <sub>merces</sub>

<b>Client Information</b>		<b>Sampler</b> Marshal Toife/Scott Litwin		<b>Lab PM</b> M/Cah Smith		<b>Carrier Tracking No(s)</b>		<b>COC No</b>	
Address: 6737 W Washington Street Suite 2100		Phone: 608-630-4732		Email: m/cah.smith@et.eurofins.com		State of Origin: Wisconsin		Page: Page 3/5	
City: West Allis		Due Date Requested:		Analysis Requested		Job #:		Preservation Codes:	
State, Zip: WI 53214		TAT Requested (days): Standard 10-Day		Field Filtered Sample (Yes or No)		Total Number of Containers		A - HCl M Hexane B NaOH N None O AshNaO2 C - Zn Acetate P - Na2O4S D - Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid I - Ice J DI Water K EDTA L EDA Z other (specify)	
Phone: 414 294 9247		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Perform MS/MSD (Yes or No)		PFAS (WI-33)		Other:	
Email: jramsey@trccompanies.com		PO #: 178804		Sample Type (C=Comp, G=grab)		Preservation Code:		Special Instructions/Note	
Project Name: RockGen Phase 2		WO #:		Sample Time		Matrix (W=water, S=solid, O=soil, B=BI-Tissue, A=Air)			
Site: RockGen		Project #: 451482		Sample Date		Sample Time			
		SSOW#:							
<b>Sample Identification</b>									
MP-06-(148-178)-202403		3/19/24	1055	G	GW	N	X	2	
MP-06-(113-145)-202403			1130	G	GW	N	X	2	
MP-06-(73-110)-202403			1140	G	GW	N	X	2	
MP-06-(36-70)-202403			1150	G	GW	N	X	2	
MP-06-(21-33)-202403			1235	G	GW	N	X	2	
MP-07-(220-258)-202403		3/18/24	1245	G	GW	N	X	2	
MP-07-(195-217)-202403		3/18/24	1300	G	GW	N	X	2	
MP-07-(155-192)-202403		3/19/24	1325	G	GW	N	X	2	
MP-07-(115-152)-202403		3/19/24	1370	G	GW	N	X	2	
MP-07-(80-112)-202403		3/18/24	1355	G	GW	N	X	2	
MP-07-(48-77)-202403		3/18/24	1410	G	GW	N	X	2	
MP-08-(220-246)-202403		3/19/24	1025	G	GW	N	X	2	
MP-08-(195-217)-202403		3/19/24	1035	G	GW	N	X	2	
MP-08-(155-192)-202403		3/18/24	1110	G	GW	N	X	2	
MP-08-(115-152)-202403		3/18/24	1125	G	GW	N	X	2	
<b>Possible Hazard Identification</b>									
<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skn Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown	
<input type="checkbox"/> Radiological									
Deliverable Requested I II III IV Other (specify)									
<b>Empty Kit Relinquished by:</b>		Date:		Time		Method of Shipment:		Archive For: Months	
Relinquished by: Marshal Toife		Date/Time: 8/30/2023		Company: TRC		Received by:		Date/Time: 3/21/24 9:30	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.				Cooler Temperature(s) °C and Other Remarks: 33			





### Chain of Custody Record

<b>Client Information</b>		Sampler: Marshall Toftre/Scott Litwin		Lab PM: Micah Smith	Carrier Tracking No(s):	
Client Contact: Jeff Ramey		Phone: 608-630-4732		E-Mail: micah.smith@et.eurofins.com	State of Origin: Wisconsin	
Company: TRC		PWSID:		COC No.:		
Due Date Requested: TAT Requested (days): <b>Standard 10-Day</b> Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 178804 WO #: Project #: 451482 SSOW#: 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						
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (Hexane, NaOH, AsNaO2, NiH2SO4, MeOH, Ascorbic Acid, DI Water, EDTA, EDA, other (specify))	Total Number of Containers
MP-08-(60-112)-202403	3/18/24	1130	G	GW		2
MP-08-(48-77)-202403	3/18/24	1140	G	GW		2
DUP-01-202403			G	GW		2
DUP-02-202403			G	GW		2
DUP-03-202403			G	GW		2
DUP-04-202403			G	GW		2
DUP-05-202403			G	GW		2
DUP-06-202403			G	GW		2
DUP-07-202403			G	GW		2
DUP-08-202403			G	GW		2
FB-01-202403	5/19/24	950	G	W		2
EB-01-202403	5/18/24	1000	G	W		2
EB-02-202403	3/18/24	1200	G	W		2
EB-03-202403	3/18/24	1505	G	W		2
EB-04-202403	3/19/24	9815	G	W		2

**Possible Hazard Identification**

 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

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

 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Analysis Requested**

Field Filtered Sample (Yes or No)  Yes  No

Performing MS/MSD (Yes or No)  Yes  No

PFAS (M-33)  Yes  No

Special Instructions (Note):

Analysis Requested: \_\_\_\_\_

Special Instructions/QC Requirements

Empty Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: Marshall Toftre Date/Time: 8/30/2023 Company: TRC

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

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

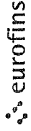
Custody Seals Intact:  Yes  No

Custody Seal No. \_\_\_\_\_ Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



**Euro** TestAmerica, Sacramento  
 880 Riverside Parkway  
 West Sacramento CA 95605  
 Phone (916) 373-5600 Phone (916) 372-1059

### Chain of Custody Record



Envirofins Test'ng  
 Merce

Client Information		Sampler		Lab PMI		Carrier Tracking No(s)		COC No	
Client Contact: Jeff Ramey Company: TRC		Marshal Toft/Scott Litwin Phone: 608-630-4732		Micaiah Smith E-Mail: micaiah.smith@eurofins.com		State of Origin: Wisconsin		Page 5/5 Job #	
Address: 6737 W Washington Street, Suite 2100 City: West Allis State, Zip: WI 53214 Phone: 414.294.9247 Email: jramey@trccompanies.com		Due Date Requested: TAT Requested (days) Standard 10-Day Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 178804 WO #: Project #: 451482 Project Name: RockGen Phase 2 Site: RockGen		PWSID: PFAS (WI-33)		Analysis Requested		Preservation Codes: A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid I Ice J DI Water K EDTA L EDA Other	
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note	
EB-05-202403	3/19/24	1035	G	W	N	X	2		
EB-06-202403	3/19/24	1330	G	W	N	X	2		
EB-07-202403	3/20/24	1000	G	W	N	X	2		
EB-08-202403	3/20/24	1140	G	W	N	X	2		

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements

Time	Date	Company	Method of Shipment:
Received by	Date/Time 8/30/2023	Company TRC	
Received by	Date/Time	Company	
Received by	Date/Time	Company	

Cooler Temperature(s) °C and Other Remarks: 3.3





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc 320  
110670

Tracking # 2724 2431 7408

Job \_\_\_\_\_

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

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

Therm. ID <u>U10</u> Corr. Factor (+/-) _____ °C	Notes: <u>Client label not present on sample #56-B container</u>																				
Ice <u>  </u> Wet <u>  </u> Gel <u>  </u> Other <u>  </u>																					
Cooler Custody Seal: <u>2474652</u>																					
Cooler ID: _____																					
Temp Observed: <u>3.0</u> °C    Corrected: <u>3.0</u> °C From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>																					
<b>Opening/Processing The Shipment</b> Yes    No    NA																					
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>																					
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																					
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>																					
Initials <u>SP</u> Date: <u>3/27/24</u>																					
<b>Unpacking/Labeling The Samples</b> Yes    No    NA	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"/>	<table border="0"> <tr> <td><b>Login Completion</b></td> <td>Yes</td> <td>No</td> <td>NA</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 checked="" type="checkbox"/></td> <td><input 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>	<b>Login Completion</b>	Yes	No	NA	Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NCM Filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Login Completion</b>		Yes	No	NA																	
Receipt Temperature on COC?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
NCM Filed?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Samples received within hold time?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
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>DM</u> Date <u>03/21/24</u>	Initials <u>DM</u> Date <u>03/21/24</u>																				



Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 2724 2431 7419

Job 320-110070

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: 110 Corr. Factor (+/-) \_\_\_\_\_ °C

Ice \_\_\_\_\_ Wet \_\_\_\_\_ Gel \_\_\_\_\_ Other \_\_\_\_\_

Cooler Custody Seal: \_\_\_\_\_

Cooler ID: \_\_\_\_\_

Temp Observed: 3.6 °C Corrected 3.6 °C  
From. Temp Blank  Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials DF Date 3/21/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC is complete w/o discrepancies	<input 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 DM Date 3/21/24

Notes: \_\_\_\_\_

Trizma Lot #(s) \_\_\_\_\_

Ammonium Acetate Lot #(s) \_\_\_\_\_

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials DM Date 3/21/24





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 2724 2431 7363

Job 320-110670

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: C10 Corr. Factor (+/-) \_\_\_\_\_ °C

Ice \_\_\_\_\_ Wet \_\_\_\_\_ Gel \_\_\_\_\_ Other \_\_\_\_\_

Cooler Custody Seal \_\_\_\_\_

Cooler ID: \_\_\_\_\_

Temp Observed: 4.2 °C Corrected: 4.2 °C  
From: Temp Blank  Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: JP Date 3/21/24

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC is complete w/o discrepancies	<input 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 DM Date 03/21/24

Notes: \_\_\_\_\_

Trizma Lot #(s) \_\_\_\_\_

Ammonium

Acetate Lot #(s): \_\_\_\_\_

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials DM Date 03/21/24

# Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-110670-1

**Login Number: 110670**

**List Source: Eurofins Sacramento**

**List Number: 1**

**Creator: Medeiros, Ryan M**

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	