

 **ANALYTICAL REPORT****PREPARED FOR**

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JOB DESCRIPTION

451482 RockGen

JOB NUMBER

320-106878-1

Eurofins Sacramento

Job Notes

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

Authorization



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Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

Client: TRC Environmental Corporation
Project: 451482 RockGen

Job ID: 320-106878-1

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Job Narrative 320-106878-1

Revision

The report being provided is a revision of the original report sent on 12/11/2023. The report (revision 1) is being revised to correct the tare weight entered for samples MP-03-(245-277)-202311 (320-106878-15) and MP-03-(220-242)-202311 (320-106878-16), which in turn changed the associated RLs and MDLs.

Receipt

The samples were received on 11/9/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.8° C, 3.0° C and 3.2° C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): DUP-01-202311 (320-106878-48), DUP-02-202311 (320-106878-49), DUP-03-202311 (320-106878-50), DUP-04-202311 (320-106878-51), DUP-05-202311 (320-106878-52), DUP-06-202311 (320-106878-53), DUP-07-202311 (320-106878-54), DUP-08-202311 (320-106878-55), FB-01-202311 (320-106878-56), EB-01-202311 (320-106878-57), EB-02-202311 (320-106878-58), EB-03-202311 (320-106878-59), EB-04-202311 (320-106878-60), EB-05-202311 (320-106878-61), EB-06-202311 (320-106878-62), EB-07-202311 (320-106878-63) and EB-08-202311 (320-106878-64).

The COC lists no date for samples 48-55.

Samples 48-51, all containers have date 11/6.

Sample 53, containers have date 11/7.

Sample 55, containers have date 11/8.

Samples 56, 60 & 61, all containers have no time.

Sample 57, containers have time 0840.

Sample 58 containers have time 1105.

Sample 59 containers have time 1220.

Samples 62-64, all containers have no time and date.

Samples logged in and labeled according to COC when information is available on the COC. For samples with information missing on the COC, the container labels were used for login. Samples 52 & 54, logged using the earliest date on COC.

LCMS

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-02-(279-300)-202311 (320-106878-9). The sample was reanalyzed with concurring results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for sample MP-01-(155-195)-202311 (320-106878-5) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-01-(155-195)-202311 (320-106878-5). 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-(121-152)-202311 (320-106878-6), MP-01-(091-118)-202311 (320-106878-7) and MP-01-(051-088)-202311 (320-106878-8) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for samples MP-02-(198-220)-202311 (320-106878-12) and MP-02-(153-195)-202311 (320-106878-13) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for sample MP-03-(190-217)-202311 (320-106878-17) were reported from the analysis of a diluted extract due to matrix interference of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

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Case Narrative

Client: TRC Environmental Corporation
Project: 451482 RockGen

Job ID: 320-106878-1

Job ID: 320-106878-1 (Continued)

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Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: MP-04-(115-152)-202311 (320-106878-27).

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-04-(195-217)-202311 (320-106878-25) and MP-04-(155-192)-202311 (320-106878-26). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MP-04-(155-192)-202311 (320-106878-26), MP-04-(115-152)-202311 (320-106878-27) and MP-04-(080-112)-202311 (320-106878-28) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for samples DUP-04-202311 (320-106878-51), DUP-05-202311 (320-106878-52) and DUP-07-202311 (320-106878-54) 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 "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: MP-06-(148-178)-202311 (320-106878-31).

Method 537 (modified): Results for sample MP-06-(021-033)-202311 (320-106878-35) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (LLCS 320-722459/2-A). The LLCS was reanalyzed with concurring result. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MP-07-(115-152)-202311 (320-106878-39) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: EB-08-202311 (320-106878-64), (LLCS 320-723587/2-A) and (MB 320-723587/1-A). This QC was reanalyzed with concurring result. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: EB-01-202311 (320-106878-57), EB-02-202311 (320-106878-58), EB-03-202311 (320-106878-59), EB-05-202311 (320-106878-61) and EB-07-202311 (320-106878-63). This sample was reanalyzed with concurring results. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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 320-721381 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-01-(253-274)-202311 (320-106878-2), MP-01-(223-250)-202311 (320-106878-3), MP-01-(198-220)-202311 (320-106878-4), MP-02-(279-300)-202311 (320-106878-9) and MP-02-(253-276)-202311 (320-106878-10)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-721381.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-722019.

Method 3535: The following samples in preparation batch 320-722019 were yellow in color following extraction. MP-02-(223-250)-202311 (320-106878-11), MP-02-(198-220)-202311 (320-106878-12), MP-03-(190-217)-202311 (320-106878-17), MP-04-(220-242)-202311 (320-106878-24), MP-04-(155-192)-202311 (320-106878-26) and MP-05-(SWL-065)-202311 (320-106878-30)

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Case Narrative

Client: TRC Environmental Corporation
Project: 451482 RockGen

Job ID: 320-106878-1

Job ID: 320-106878-1 (Continued)

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Method 3535: The following samples in preparation batch 320-722019 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-03-(245-277)-202311 (320-106878-15), MP-03-(220-242)-202311 (320-106878-16), MP-03-(190-217)-202311 (320-106878-17), MP-04-(220-242)-202311 (320-106878-24), MP-04-(155-192)-202311 (320-106878-26) and MP-05-(SWL-065)-202311 (320-106878-30)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-722459.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-722462.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-724087.

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: 320-106878-1

Client Sample ID: MP-01-(277-293)-202311

Lab Sample ID: 320-106878-1

No Detections.

Client Sample ID: MP-01-(253-274)-202311

Lab Sample ID: 320-106878-2

No Detections.

Client Sample ID: MP-01-(223-250)-202311

Lab Sample ID: 320-106878-3

No Detections.

Client Sample ID: MP-01-(198-220)-202311

Lab Sample ID: 320-106878-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	9.0		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.4		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9	J	2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.5		2.1	0.91	ng/L	1		537 (modified)	Total/NA
6:2 FTS	82		5.3	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.9		2.1	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(155-195)-202311

Lab Sample ID: 320-106878-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	55		2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	8.2		2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.88	J	2.1	0.32	ng/L	1		537 (modified)	Total/NA
4:2 FTS	85		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	360		110	51	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1900		43	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		43	12	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	520		43	5.3	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	900		43	18	ng/L	20		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	16	J	43	11	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4400		110	53	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1000		43	9.8	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(121-152)-202311

Lab Sample ID: 320-106878-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	9.4		2.2	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.57	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.90	J	2.2	0.34	ng/L	1		537 (modified)	Total/NA
4:2 FTS	86		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	400		110	54	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1900		45	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1400		45	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	570		45	5.6	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	900		45	19	ng/L	20		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA) - DL	43	J	45	6.0	ng/L	20		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	21	J	45	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	5900		110	56	ng/L	20		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: 320-106878-1

Client Sample ID: MP-01-(121-152)-202311 (Continued)

Lab Sample ID: 320-106878-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS - DL	1300		45	10	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(091-118)-202311

Lab Sample ID: 320-106878-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	81		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	13		2.3	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.31	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.68	J	2.3	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.9		2.3	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	18		2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	68		2.3	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	440		110	54	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	3200		45	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1500		45	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	810		45	5.7	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1100		45	19	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4100		110	57	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1400		45	10	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(051-088)-202311

Lab Sample ID: 320-106878-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	74		2.3	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	26		2.3	0.35	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.3	J	2.3	1.2	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.30	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	2.3	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.3	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	69		2.3	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	560		110	54	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2700		45	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1800		45	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	930		45	5.6	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1200		45	19	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4700		110	56	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	2300		45	10	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-02-(279-300)-202311

Lab Sample ID: 320-106878-9

No Detections.

Client Sample ID: MP-02-(253-276)-202311

Lab Sample ID: 320-106878-10

No Detections.

Client Sample ID: MP-02-(223-250)-202311

Lab Sample ID: 320-106878-11

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: 320-106878-1

Client Sample ID: MP-02-(198-220)-202311

Lab Sample ID: 320-106878-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	33		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	170		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	100		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	39		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	34		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.63	J	2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.92	J	2.2	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.7		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	570		27	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202311

Lab Sample ID: 320-106878-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	68		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	300		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	180		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	98		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	91		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.1	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.2	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.6		2.2	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.9		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	250		2.2	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1300		54	27	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-03-(280-300)-202311

Lab Sample ID: 320-106878-14

No Detections.

Client Sample ID: MP-03-(245-277)-202311

Lab Sample ID: 320-106878-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	5.5		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.4		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.4		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.8		2.0	0.84	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(220-242)-202311

Lab Sample ID: 320-106878-16

No Detections.

Client Sample ID: MP-03-(190-217)-202311

Lab Sample ID: 320-106878-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.7	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9	J	2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.90	J	2.1	0.90	ng/L	1		537 (modified)	Total/NA
6:2 FTS	10		5.3	2.6	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: 320-106878-1

Client Sample ID: MP-03-(160-187)-202311

Lab Sample ID: 320-106878-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		5.3	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	84		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	47		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	12		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.76	J	2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.64	J	2.1	0.58	ng/L	1		537 (modified)	Total/NA
6:2 FTS	95		5.3	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	6.7		2.1	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(120-157)-202311

Lab Sample ID: 320-106878-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	32		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.4		2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.37	J	2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.9		2.2	0.59	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(083-117)-202311

Lab Sample ID: 320-106878-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	42		2.2	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	22		2.2	0.65	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	31		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	17		2.2	0.95	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.95	J	2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.28	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		2.2	0.60	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.1	J	2.2	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(046-080)-202311

Lab Sample ID: 320-106878-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	50		6.4	3.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	200		2.6	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	88		2.6	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	91		2.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.2		2.6	1.1	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(275-291)-202311

Lab Sample ID: 320-106878-22

No Detections.

Client Sample ID: MP-04-(245-272)-202311

Lab Sample ID: 320-106878-23

No Detections.

Client Sample ID: MP-04-(220-242)-202311

Lab Sample ID: 320-106878-24

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: 320-106878-1

Client Sample ID: MP-04-(195-217)-202311

Lab Sample ID: 320-106878-25

No Detections.

Client Sample ID: MP-04-(155-192)-202311

Lab Sample ID: 320-106878-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	33		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	150		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	110		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	33		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	39		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.8	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.68	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.89	J	2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.9		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	27		2.0	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	730		25	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(115-152)-202311

Lab Sample ID: 320-106878-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	130		5.1	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	170		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		2.0	0.28	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)	0.25	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.60	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J I	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.2		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	44		2.0	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	220		2.0	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	870		41	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	570		41	12	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	260		41	17	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3800		100	51	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-04-(080-112)-202311

Lab Sample ID: 320-106878-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	120		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	140		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	150		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		2.1	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	22		2.1	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	21		2.1	0.49	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	650		21	5.3	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	430		21	6.2	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1700		54	27	ng/L	10		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: 320-106878-1

Client Sample ID: MP-04-(048-077)-202311

Lab Sample ID: 320-106878-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.5		6.5	3.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	10		2.6	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.2		2.6	0.75	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-05-(SWL-065)-202311

Lab Sample ID: 320-106878-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	16		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	19		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	17		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.5		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.49	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(148-178)-202311

Lab Sample ID: 320-106878-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.4		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.49	J	2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.5	J I	2.2	0.92	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.5		5.4	2.7	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(113-145)-202311

Lab Sample ID: 320-106878-32

No Detections.

Client Sample ID: MP-06-(073-110)-202311

Lab Sample ID: 320-106878-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.86	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.30	J	2.1	0.26	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(036-070)-202311

Lab Sample ID: 320-106878-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.2	J	5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	12		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.2		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.8		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.6		2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.66	J	2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.73	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(021-033)-202311

Lab Sample ID: 320-106878-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	160		6.5	3.1	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	480		2.6	0.76	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	340		2.6	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	260		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.4		2.6	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.66	J	2.6	0.40	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.6	0.26	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: 320-106878-1

Client Sample ID: MP-06-(021-033)-202311 (Continued)

Lab Sample ID: 320-106878-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	1.4	J	2.6	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	750		13	3.2	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-07-(220-258)-202311

Lab Sample ID: 320-106878-36

No Detections.

Client Sample ID: MP-07-(195-217)-202311

Lab Sample ID: 320-106878-37

No Detections.

Client Sample ID: MP-07-(155-192)-202311

Lab Sample ID: 320-106878-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.0	J	5.3	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	13		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.2		2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.9		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.2		2.1	0.89	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.27	J	2.1	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	41		5.3	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.6	J	2.1	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(115-152)-202311

Lab Sample ID: 320-106878-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	44		5.7	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	260		2.3	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	43		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	46		2.3	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.4		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.28	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.3	0.65	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.94	J	2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	7.0		2.3	0.27	ng/L	1		537 (modified)	Total/NA
8:2 FTS	21		2.3	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	950		57	28	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-07-(080-112)-202311

Lab Sample ID: 320-106878-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	6.0		2.2	0.22	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(048-077)-202311

Lab Sample ID: 320-106878-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	6.2		2.7	0.27	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(220-246)-202311

Lab Sample ID: 320-106878-42

No Detections.

Client Sample ID: MP-08-(195-217)-202311

Lab Sample ID: 320-106878-43

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: 320-106878-1

Client Sample ID: MP-08-(155-192)-202311

Lab Sample ID: 320-106878-44

No Detections.

Client Sample ID: MP-08-(115-152)-202311

Lab Sample ID: 320-106878-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.7		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9	J	2.2	0.64	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(080-112)-202311

Lab Sample ID: 320-106878-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	34		6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	150		2.4	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	79		2.4	0.70	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.4	J	2.4	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.44	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.3		2.4	0.29	ng/L	1		537 (modified)	Total/NA
6:2 FTS	25		6.0	3.0	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(048-077)-202311

Lab Sample ID: 320-106878-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.9	J	5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	20		2.3	0.23	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-01-202311

Lab Sample ID: 320-106878-48

No Detections.

Client Sample ID: DUP-02-202311

Lab Sample ID: 320-106878-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.0	J	5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	12		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.6		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.8		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.7		2.0	0.86	ng/L	1		537 (modified)	Total/NA
6:2 FTS	39		5.1	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.2	J	2.0	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-03-202311

Lab Sample ID: 320-106878-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		7.0	3.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	31		2.8	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	20		2.8	0.81	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	18		2.8	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.2		2.8	1.2	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.77	J	2.8	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.94	J	2.8	0.28	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-04-202311

Lab Sample ID: 320-106878-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.2	2.5	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: 320-106878-1

Client Sample ID: DUP-04-202311 (Continued)

Lab Sample ID: 320-106878-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	150		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	250		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	13		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J	2.1	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.52	J	2.1	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.1	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.3		2.1	0.56	ng/L	1		537 (modified)	Total/NA
4:2 FTS	39		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	170		2.1	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	840		42	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	560		42	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3300		100	52	ng/L	20		537 (modified)	Total/NA

Client Sample ID: DUP-05-202311

Lab Sample ID: 320-106878-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	160		6.4	3.1	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	470		2.6	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	340		2.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	250		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.2		2.6	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.59	J	2.6	0.40	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	2.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.75	J	2.6	0.73	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.1	J	2.6	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	710		26	6.3	ng/L	10		537 (modified)	Total/NA

Client Sample ID: DUP-06-202311

Lab Sample ID: 320-106878-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	81		2.1	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	47		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.1	J	2.1	0.29	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.51	J	2.1	0.26	ng/L	1		537 (modified)	Total/NA
6:2 FTS	86		5.4	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	5.0		2.1	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-07-202311

Lab Sample ID: 320-106878-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	61		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	330		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	190		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	85		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	84		2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.3		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.0	J	2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.45	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-07-202311 (Continued)

Lab Sample ID: 320-106878-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.95	J	2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.8		2.2	0.59	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.0		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	180		2.2	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1300		54	27	ng/L	10		537 (modified)	Total/NA

Client Sample ID: DUP-08-202311

Lab Sample ID: 320-106878-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	10		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.7		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.7		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.0		2.1	0.90	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.62	J	2.1	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	81		5.3	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.5		2.1	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FB-01-202311

Lab Sample ID: 320-106878-56

No Detections.

Client Sample ID: EB-01-202311

Lab Sample ID: 320-106878-57

No Detections.

Client Sample ID: EB-02-202311

Lab Sample ID: 320-106878-58

No Detections.

Client Sample ID: EB-03-202311

Lab Sample ID: 320-106878-59

No Detections.

Client Sample ID: EB-04-202311

Lab Sample ID: 320-106878-60

No Detections.

Client Sample ID: EB-05-202311

Lab Sample ID: 320-106878-61

No Detections.

Client Sample ID: EB-06-202311

Lab Sample ID: 320-106878-62

No Detections.

Client Sample ID: EB-07-202311

Lab Sample ID: 320-106878-63

No Detections.

Client Sample ID: EB-08-202311

Lab Sample ID: 320-106878-64

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(277-293)-202311

Lab Sample ID: 320-106878-1

Date Collected: 11/08/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.2	0.55	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.2	0.65	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorooctanoic acid (PFOA)	<0.95		2.2	0.95	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.2	1.5	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/18/23 07:56	11/20/23 12:20	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/18/23 07:56	11/20/23 12:20	1
NEtFOSA	<0.97		2.2	0.97	ng/L		11/18/23 07:56	11/20/23 12:20	1
NMeFOSA	<0.48		2.2	0.48	ng/L		11/18/23 07:56	11/20/23 12:20	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		11/18/23 07:56	11/20/23 12:20	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		11/18/23 07:56	11/20/23 12:20	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/18/23 07:56	11/20/23 12:20	1
NEtFOSE	<0.95		2.2	0.95	ng/L		11/18/23 07:56	11/20/23 12:20	1
4:2 FTS	<0.27		2.2	0.27	ng/L		11/18/23 07:56	11/20/23 12:20	1
6:2 FTS	<2.8		5.6	2.8	ng/L		11/18/23 07:56	11/20/23 12:20	1
8:2 FTS	<0.51		2.2	0.51	ng/L		11/18/23 07:56	11/20/23 12:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		11/18/23 07:56	11/20/23 12:20	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/18/23 07:56	11/20/23 12:20	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		11/18/23 07:56	11/20/23 12:20	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		11/18/23 07:56	11/20/23 12:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C5 PFPeA	94		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C2 PFHxA	99		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C4 PFHpA	100		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C4 PFOA	95		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C5 PFNA	98		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C2 PFDA	96		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C2 PFUnA	97		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C2 PFDoA	91		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C2 PFTeDA	78		25 - 150				11/18/23 07:56	11/20/23 12:20	1
13C3 PFBS	97		25 - 150				11/18/23 07:56	11/20/23 12:20	1
18O2 PFHxS	105		25 - 150				11/18/23 07:56	11/20/23 12:20	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(277-293)-202311

Lab Sample ID: 320-106878-1

Date Collected: 11/08/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	99		25 - 150	11/18/23 07:56	11/20/23 12:20	1
13C8 FOSA	101		10 - 150	11/18/23 07:56	11/20/23 12:20	1
d3-NMeFOSAA	91		25 - 150	11/18/23 07:56	11/20/23 12:20	1
d5-NEtFOSAA	102		25 - 150	11/18/23 07:56	11/20/23 12:20	1
d-N-MeFOSA-M	79		10 - 150	11/18/23 07:56	11/20/23 12:20	1
d-N-EtFOSA-M	74		10 - 150	11/18/23 07:56	11/20/23 12:20	1
d7-N-MeFOSE-M	75		10 - 150	11/18/23 07:56	11/20/23 12:20	1
d9-N-EtFOSE-M	77		10 - 150	11/18/23 07:56	11/20/23 12:20	1
M2-4:2 FTS	98		25 - 150	11/18/23 07:56	11/20/23 12:20	1
M2-6:2 FTS	106		25 - 150	11/18/23 07:56	11/20/23 12:20	1
M2-8:2 FTS	106		25 - 150	11/18/23 07:56	11/20/23 12:20	1
13C3 HFPO-DA	90		25 - 150	11/18/23 07:56	11/20/23 12:20	1

Client Sample ID: MP-01-(253-274)-202311

Lab Sample ID: 320-106878-2

Date Collected: 11/08/23 08:43

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.7		5.7	2.7	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluoropentanoic acid (PFPeA)	<0.56		2.3	0.56	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorohexanoic acid (PFHxA)	<0.66		2.3	0.66	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorooctanoic acid (PFOA)	<0.97		2.3	0.97	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.65		2.3	0.65	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.62		2.3	0.62	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 12:31	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 12:31	1
NEtFOSA	<1.0		2.3	1.0	ng/L		11/18/23 07:56	11/20/23 12:31	1
NMeFOSA	<0.49		2.3	0.49	ng/L		11/18/23 07:56	11/20/23 12:31	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		11/18/23 07:56	11/20/23 12:31	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		11/18/23 07:56	11/20/23 12:31	1
NMeFOSE	<1.6		4.6	1.6	ng/L		11/18/23 07:56	11/20/23 12:31	1
NEtFOSE	<0.97		2.3	0.97	ng/L		11/18/23 07:56	11/20/23 12:31	1
4:2 FTS	<0.27		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 12:31	1
6:2 FTS	<2.9		5.7	2.9	ng/L		11/18/23 07:56	11/20/23 12:31	1
8:2 FTS	<0.53		2.3	0.53	ng/L		11/18/23 07:56	11/20/23 12:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(253-274)-202311

Lab Sample ID: 320-106878-2

Date Collected: 11/08/23 08:43

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		11/18/23 07:56	11/20/23 12:31	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		11/18/23 07:56	11/20/23 12:31	1
9CI-PF3ONS	<0.27		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 12:31	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		11/18/23 07:56	11/20/23 12:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C5 PFPeA	83		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C2 PFHxA	96		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C4 PFHpA	90		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C4 PFOA	99		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C5 PFNA	94		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C2 PFDA	90		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C2 PFUnA	96		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C2 PFDoA	93		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C2 PFTeDA	87		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C3 PFBS	89		25 - 150				11/18/23 07:56	11/20/23 12:31	1
18O2 PFHxS	102		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C4 PFOS	107		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C8 FOSA	98		10 - 150				11/18/23 07:56	11/20/23 12:31	1
d3-NMeFOSAA	93		25 - 150				11/18/23 07:56	11/20/23 12:31	1
d5-NEtFOSAA	104		25 - 150				11/18/23 07:56	11/20/23 12:31	1
d-N-MeFOSA-M	74		10 - 150				11/18/23 07:56	11/20/23 12:31	1
d-N-EtFOSA-M	70		10 - 150				11/18/23 07:56	11/20/23 12:31	1
d7-N-MeFOSE-M	79		10 - 150				11/18/23 07:56	11/20/23 12:31	1
d9-N-EtFOSE-M	79		10 - 150				11/18/23 07:56	11/20/23 12:31	1
M2-4:2 FTS	104		25 - 150				11/18/23 07:56	11/20/23 12:31	1
M2-6:2 FTS	105		25 - 150				11/18/23 07:56	11/20/23 12:31	1
M2-8:2 FTS	93		25 - 150				11/18/23 07:56	11/20/23 12:31	1
13C3 HFPO-DA	91		25 - 150				11/18/23 07:56	11/20/23 12:31	1

Client Sample ID: MP-01-(223-250)-202311

Lab Sample ID: 320-106878-3

Date Collected: 11/08/23 08:53

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/18/23 07:56	11/20/23 12:41	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(223-250)-202311

Lab Sample ID: 320-106878-3

Date Collected: 11/08/23 08:53

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 12:41	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 12:41	1
NEtFOSA	<0.91		2.1	0.91	ng/L		11/18/23 07:56	11/20/23 12:41	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/18/23 07:56	11/20/23 12:41	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/18/23 07:56	11/20/23 12:41	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/18/23 07:56	11/20/23 12:41	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/18/23 07:56	11/20/23 12:41	1
NEtFOSE	<0.89		2.1	0.89	ng/L		11/18/23 07:56	11/20/23 12:41	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/18/23 07:56	11/20/23 12:41	1
6:2 FTS	<2.6		5.3	2.6	ng/L		11/18/23 07:56	11/20/23 12:41	1
8:2 FTS	<0.48		2.1	0.48	ng/L		11/18/23 07:56	11/20/23 12:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/18/23 07:56	11/20/23 12:41	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/18/23 07:56	11/20/23 12:41	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		11/18/23 07:56	11/20/23 12:41	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 12:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	108		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C5 PFPeA	84		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C2 PFHxA	99		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C4 PFHpA	97		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C4 PFOA	103		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C5 PFNA	103		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C2 PFDA	101		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C2 PFUnA	108		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C2 PFDoA	99		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C2 PFTeDA	101		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C3 PFBS	89		25 - 150	11/18/23 07:56	11/20/23 12:41	1
18O2 PFHxS	108		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C4 PFOS	102		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C8 FOSA	104		10 - 150	11/18/23 07:56	11/20/23 12:41	1
d3-NMeFOSAA	98		25 - 150	11/18/23 07:56	11/20/23 12:41	1
d5-NEtFOSAA	104		25 - 150	11/18/23 07:56	11/20/23 12:41	1
d-N-MeFOSA-M	75		10 - 150	11/18/23 07:56	11/20/23 12:41	1
d-N-EtFOSA-M	82		10 - 150	11/18/23 07:56	11/20/23 12:41	1
d7-N-MeFOSE-M	76		10 - 150	11/18/23 07:56	11/20/23 12:41	1
d9-N-EtFOSE-M	86		10 - 150	11/18/23 07:56	11/20/23 12:41	1
M2-4:2 FTS	121		25 - 150	11/18/23 07:56	11/20/23 12:41	1
M2-6:2 FTS	112		25 - 150	11/18/23 07:56	11/20/23 12:41	1
M2-8:2 FTS	150		25 - 150	11/18/23 07:56	11/20/23 12:41	1
13C3 HFPO-DA	92		25 - 150	11/18/23 07:56	11/20/23 12:41	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(198-220)-202311

Lab Sample ID: 320-106878-4

Date Collected: 11/08/23 09:10

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluoropentanoic acid (PFPeA)	9.0		2.1	0.52	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorohexanoic acid (PFHxA)	7.4		2.1	0.62	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluoroheptanoic acid (PFHpA)	1.9 J		2.1	0.27	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorooctanoic acid (PFOA)	5.5		2.1	0.91	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 12:51	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 12:51	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/18/23 07:56	11/20/23 12:51	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/18/23 07:56	11/20/23 12:51	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/18/23 07:56	11/20/23 12:51	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/18/23 07:56	11/20/23 12:51	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/18/23 07:56	11/20/23 12:51	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/18/23 07:56	11/20/23 12:51	1
4:2 FTS	<0.26		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 12:51	1
6:2 FTS	82		5.3	2.7	ng/L		11/18/23 07:56	11/20/23 12:51	1
8:2 FTS	4.9		2.1	0.49	ng/L		11/18/23 07:56	11/20/23 12:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/18/23 07:56	11/20/23 12:51	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/18/23 07:56	11/20/23 12:51	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 12:51	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 12:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	113		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C5 PFPeA	98		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C2 PFHxA	106		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C4 PFHpA	109		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C4 PFOA	103		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C5 PFNA	98		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C2 PFDA	106		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C2 PFUnA	111		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C2 PFDoA	97		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C2 PFTeDA	93		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C3 PFBS	95		25 - 150	11/18/23 07:56	11/20/23 12:51	1
18O2 PFHxS	109		25 - 150	11/18/23 07:56	11/20/23 12:51	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(198-220)-202311

Lab Sample ID: 320-106878-4

Date Collected: 11/08/23 09:10

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	113		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C8 FOSA	105		10 - 150	11/18/23 07:56	11/20/23 12:51	1
d3-NMeFOSAA	96		25 - 150	11/18/23 07:56	11/20/23 12:51	1
d5-NEtFOSAA	125		25 - 150	11/18/23 07:56	11/20/23 12:51	1
d-N-MeFOSA-M	88		10 - 150	11/18/23 07:56	11/20/23 12:51	1
d-N-EtFOSA-M	83		10 - 150	11/18/23 07:56	11/20/23 12:51	1
d7-N-MeFOSE-M	84		10 - 150	11/18/23 07:56	11/20/23 12:51	1
d9-N-EtFOSE-M	87		10 - 150	11/18/23 07:56	11/20/23 12:51	1
M2-4:2 FTS	104		25 - 150	11/18/23 07:56	11/20/23 12:51	1
M2-6:2 FTS	105		25 - 150	11/18/23 07:56	11/20/23 12:51	1
M2-8:2 FTS	118		25 - 150	11/18/23 07:56	11/20/23 12:51	1
13C3 HFPO-DA	96		25 - 150	11/18/23 07:56	11/20/23 12:51	1

Client Sample ID: MP-01-(155-195)-202311

Lab Sample ID: 320-106878-5

Date Collected: 11/08/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	55		2.1	0.29	ng/L		11/18/23 07:56	11/20/23 13:02	1
Perfluorodecanoic acid (PFDA)	8.2		2.1	0.33	ng/L		11/18/23 07:56	11/20/23 13:02	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/18/23 07:56	11/20/23 13:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/18/23 07:56	11/20/23 13:02	1
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.1	0.21	ng/L		11/18/23 07:56	11/20/23 13:02	1
Perfluoropentanesulfonic acid (PFPeS)	0.88	J	2.1	0.32	ng/L		11/18/23 07:56	11/20/23 13:02	1
NEtFOSA	<0.92		2.1	0.92	ng/L		11/18/23 07:56	11/20/23 13:02	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/18/23 07:56	11/20/23 13:02	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/18/23 07:56	11/20/23 13:02	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/18/23 07:56	11/20/23 13:02	1
NEtFOSE	<0.90		2.1	0.90	ng/L		11/18/23 07:56	11/20/23 13:02	1
4:2 FTS	85		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 13:02	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/18/23 07:56	11/20/23 13:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	149		25 - 150	11/18/23 07:56	11/20/23 13:02	1
13C2 PFDA	145		25 - 150	11/18/23 07:56	11/20/23 13:02	1
13C2 PFUnA	148		25 - 150	11/18/23 07:56	11/20/23 13:02	1
13C2 PFTeDA	134		25 - 150	11/18/23 07:56	11/20/23 13:02	1
13C3 PFBS	134		25 - 150	11/18/23 07:56	11/20/23 13:02	1
d3-NMeFOSAA	146		25 - 150	11/18/23 07:56	11/20/23 13:02	1
d-N-MeFOSA-M	121		10 - 150	11/18/23 07:56	11/20/23 13:02	1
d-N-EtFOSA-M	128		10 - 150	11/18/23 07:56	11/20/23 13:02	1
d7-N-MeFOSE-M	122		10 - 150	11/18/23 07:56	11/20/23 13:02	1
d9-N-EtFOSE-M	127		10 - 150	11/18/23 07:56	11/20/23 13:02	1
M2-4:2 FTS	139		25 - 150	11/18/23 07:56	11/20/23 13:02	1
13C3 HFPO-DA	143		25 - 150	11/18/23 07:56	11/20/23 13:02	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(155-195)-202311

Lab Sample ID: 320-106878-5

Date Collected: 11/08/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	360		110	51	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluoropentanoic acid (PFPeA)	1900		43	10	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorohexanoic acid (PFHxA)	1200		43	12	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluoroheptanoic acid (PFHpA)	520		43	5.3	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorooctanoic acid (PFOA)	900		43	18	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorododecanoic acid (PFDoA)	<12		43	12	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorotridecanoic acid (PFTrDA)	<28		43	28	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorohexanesulfonic acid (PFHxS)	<12		43	12	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluoroheptanesulfonic acid (PFHpS)	<4.0		43	4.0	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorooctanesulfonic acid (PFOS)	16	J	43	11	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluoronanesulfonic acid (PFNS)	<7.9		43	7.9	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorodecanesulfonic acid (PFDS)	<6.8		43	6.8	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorododecanesulfonic acid (PFDoS)	<21		43	21	ng/L		11/18/23 07:56	11/21/23 16:25	20
Perfluorooctanesulfonamide (FOSA)	<21		43	21	ng/L		11/18/23 07:56	11/21/23 16:25	20
NEtFOSAA	<28		110	28	ng/L		11/18/23 07:56	11/21/23 16:25	20
6:2 FTS	4400		110	53	ng/L		11/18/23 07:56	11/21/23 16:25	20
8:2 FTS	1000		43	9.8	ng/L		11/18/23 07:56	11/21/23 16:25	20
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<8.5		43	8.5	ng/L		11/18/23 07:56	11/21/23 16:25	20
9CI-PF3ONS	<5.1		43	5.1	ng/L		11/18/23 07:56	11/21/23 16:25	20
11CI-PF3OUdS	<6.8		43	6.8	ng/L		11/18/23 07:56	11/21/23 16:25	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C5 PFPeA	82		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C2 PFHxA	97		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C4 PFHpA	92		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C4 PFOA	96		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C2 PFDoA	83		25 - 150				11/18/23 07:56	11/21/23 16:25	20
18O2 PFHxS	103		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C4 PFOS	95		25 - 150				11/18/23 07:56	11/21/23 16:25	20
13C8 FOSA	102		10 - 150				11/18/23 07:56	11/21/23 16:25	20
d5-NEtFOSAA	95		25 - 150				11/18/23 07:56	11/21/23 16:25	20
M2-6:2 FTS	162	*5+	25 - 150				11/18/23 07:56	11/21/23 16:25	20
M2-8:2 FTS	109		25 - 150				11/18/23 07:56	11/21/23 16:25	20

Client Sample ID: MP-01-(121-152)-202311

Lab Sample ID: 320-106878-6

Date Collected: 11/08/23 09:37

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	9.4		2.2	0.35	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.2	1.5	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluorobutanesulfonic acid (PFBS)	0.57	J	2.2	0.22	ng/L		11/18/23 07:56	11/20/23 13:12	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(121-152)-202311

Lab Sample ID: 320-106878-6

Date Collected: 11/08/23 09:37

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.90	J	2.2	0.34	ng/L		11/18/23 07:56	11/20/23 13:12	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/18/23 07:56	11/20/23 13:12	1
NEtFOSA	<0.97		2.2	0.97	ng/L		11/18/23 07:56	11/20/23 13:12	1
NMeFOSA	<0.48		2.2	0.48	ng/L		11/18/23 07:56	11/20/23 13:12	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		11/18/23 07:56	11/20/23 13:12	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/18/23 07:56	11/20/23 13:12	1
NEtFOSE	<0.95		2.2	0.95	ng/L		11/18/23 07:56	11/20/23 13:12	1
4:2 FTS	86		2.2	0.27	ng/L		11/18/23 07:56	11/20/23 13:12	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/18/23 07:56	11/20/23 13:12	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDA	137		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C2 PFUnA	142		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C2 PFDoA	140		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C2 PFTeDA	133		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C3 PFBS	129		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C8 FOSA	145		10 - 150				11/18/23 07:56	11/20/23 13:12	1
d3-NMeFOSAA	137		25 - 150				11/18/23 07:56	11/20/23 13:12	1
d-N-MeFOSA-M	118		10 - 150				11/18/23 07:56	11/20/23 13:12	1
d-N-EtFOSA-M	118		10 - 150				11/18/23 07:56	11/20/23 13:12	1
d7-N-MeFOSE-M	113		10 - 150				11/18/23 07:56	11/20/23 13:12	1
d9-N-EtFOSE-M	117		10 - 150				11/18/23 07:56	11/20/23 13:12	1
M2-4:2 FTS	140		25 - 150				11/18/23 07:56	11/20/23 13:12	1
13C3 HFPO-DA	143		25 - 150				11/18/23 07:56	11/20/23 13:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	400		110	54	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluoropentanoic acid (PFPeA)	1900		45	11	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorohexanoic acid (PFHxA)	1400		45	13	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluoroheptanoic acid (PFHpA)	570		45	5.6	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorooctanoic acid (PFOA)	900		45	19	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorononanoic acid (PFNA)	43	J	45	6.0	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorohexanesulfonic acid (PFHxS)	<13		45	13	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluoroheptanesulfonic acid (PFHpS)	<4.2		45	4.2	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorooctanesulfonic acid (PFOS)	21	J	45	12	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorononanesulfonic acid (PFNS)	<8.3		45	8.3	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorodecanesulfonic acid (PFDS)	<7.1		45	7.1	ng/L		11/18/23 07:56	11/22/23 10:45	20
Perfluorododecanesulfonic acid (PFDoS)	<22		45	22	ng/L		11/18/23 07:56	11/22/23 10:45	20
NEtFOSAA	<29		110	29	ng/L		11/18/23 07:56	11/22/23 10:45	20
6:2 FTS	5900		110	56	ng/L		11/18/23 07:56	11/22/23 10:45	20
8:2 FTS	1300		45	10	ng/L		11/18/23 07:56	11/22/23 10:45	20
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<8.9		45	8.9	ng/L		11/18/23 07:56	11/22/23 10:45	20
9Cl-PF3ONS	<5.4		45	5.4	ng/L		11/18/23 07:56	11/22/23 10:45	20
11Cl-PF3OUdS	<7.1		45	7.1	ng/L		11/18/23 07:56	11/22/23 10:45	20

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(121-152)-202311

Lab Sample ID: 320-106878-6

Date Collected: 11/08/23 09:37

Matrix: Water

Date Received: 11/09/23 09:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C5 PFPeA	89		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C2 PFHxA	89		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C4 PFHpA	89		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C4 PFOA	98		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C5 PFNA	100		25 - 150	11/18/23 07:56	11/22/23 10:45	20
18O2 PFHxS	100		25 - 150	11/18/23 07:56	11/22/23 10:45	20
13C4 PFOS	111		25 - 150	11/18/23 07:56	11/22/23 10:45	20
d5-NEtFOSAA	90		25 - 150	11/18/23 07:56	11/22/23 10:45	20
M2-6:2 FTS	136		25 - 150	11/18/23 07:56	11/22/23 10:45	20
M2-8:2 FTS	95		25 - 150	11/18/23 07:56	11/22/23 10:45	20

Client Sample ID: MP-01-(091-118)-202311

Lab Sample ID: 320-106878-7

Date Collected: 11/08/23 09:45

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	81		2.3	0.31	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorodecanoic acid (PFDA)	13		2.3	0.35	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorobutanesulfonic acid (PFBS)	0.31	J	2.3	0.23	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.68	J	2.3	0.34	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorohexanesulfonic acid (PFHxS)	4.9		2.3	0.64	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorooctanesulfonic acid (PFOS)	18		2.3	0.61	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 13:43	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 13:43	1
NEtFOSA	<0.98		2.3	0.98	ng/L		11/18/23 07:56	11/20/23 13:43	1
NMeFOSA	<0.49		2.3	0.49	ng/L		11/18/23 07:56	11/20/23 13:43	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		11/18/23 07:56	11/20/23 13:43	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		11/18/23 07:56	11/20/23 13:43	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/18/23 07:56	11/20/23 13:43	1
NEtFOSE	<0.96		2.3	0.96	ng/L		11/18/23 07:56	11/20/23 13:43	1
4:2 FTS	68		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 13:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		11/18/23 07:56	11/20/23 13:43	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/18/23 07:56	11/20/23 13:43	1
9CI-PF3ONS	<0.27		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 13:43	1
11CI-PF3OUdS	<0.36		2.3	0.36	ng/L		11/18/23 07:56	11/20/23 13:43	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(091-118)-202311

Lab Sample ID: 320-106878-7

Date Collected: 11/08/23 09:45

Matrix: Water

Date Received: 11/09/23 09:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	130		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C2 PFDA	125		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C2 PFUnA	124		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C2 PFDoA	128		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C2 PFTeDA	112		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C3 PFBS	111		25 - 150	11/18/23 07:56	11/20/23 13:43	1
18O2 PFHxS	128		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C4 PFOS	134		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C8 FOSA	127		10 - 150	11/18/23 07:56	11/20/23 13:43	1
d3-NMeFOSAA	130		25 - 150	11/18/23 07:56	11/20/23 13:43	1
d5-NEtFOSAA	130		25 - 150	11/18/23 07:56	11/20/23 13:43	1
d-N-MeFOSA-M	114		10 - 150	11/18/23 07:56	11/20/23 13:43	1
d-N-EtFOSA-M	106		10 - 150	11/18/23 07:56	11/20/23 13:43	1
d7-N-MeFOSE-M	100		10 - 150	11/18/23 07:56	11/20/23 13:43	1
d9-N-EtFOSE-M	107		10 - 150	11/18/23 07:56	11/20/23 13:43	1
M2-4:2 FTS	129		25 - 150	11/18/23 07:56	11/20/23 13:43	1
13C3 HFPO-DA	122		25 - 150	11/18/23 07:56	11/20/23 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	440		110	54	ng/L		11/18/23 07:56	11/22/23 10:55	20
Perfluoropentanoic acid (PFPeA)	3200		45	11	ng/L		11/18/23 07:56	11/22/23 10:55	20
Perfluorohexanoic acid (PFHxA)	1500		45	13	ng/L		11/18/23 07:56	11/22/23 10:55	20
Perfluoroheptanoic acid (PFHpA)	810		45	5.7	ng/L		11/18/23 07:56	11/22/23 10:55	20
Perfluorooctanoic acid (PFOA)	1100		45	19	ng/L		11/18/23 07:56	11/22/23 10:55	20
6:2 FTS	4100		110	57	ng/L		11/18/23 07:56	11/22/23 10:55	20
8:2 FTS	1400		45	10	ng/L		11/18/23 07:56	11/22/23 10:55	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	11/18/23 07:56	11/22/23 10:55	20
13C5 PFPeA	91		25 - 150	11/18/23 07:56	11/22/23 10:55	20
13C2 PFHxA	103		25 - 150	11/18/23 07:56	11/22/23 10:55	20
13C4 PFHpA	92		25 - 150	11/18/23 07:56	11/22/23 10:55	20
13C4 PFOA	97		25 - 150	11/18/23 07:56	11/22/23 10:55	20
M2-6:2 FTS	130		25 - 150	11/18/23 07:56	11/22/23 10:55	20
M2-8:2 FTS	86		25 - 150	11/18/23 07:56	11/22/23 10:55	20

Client Sample ID: MP-01-(051-088)-202311

Lab Sample ID: 320-106878-8

Date Collected: 11/08/23 10:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	74		2.3	0.30	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorodecanoic acid (PFDA)	26		2.3	0.35	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluoroundecanoic acid (PFUnA)	1.3	J	2.3	1.2	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorobutanesulfonic acid (PFBS)	0.30	J	2.3	0.23	ng/L		11/18/23 07:56	11/20/23 13:53	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(051-088)-202311

Lab Sample ID: 320-106878-8

Date Collected: 11/08/23 10:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	2.3	0.34	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.3	0.64	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorooctanesulfonic acid (PFOS)	16		2.3	0.61	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 13:53	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		11/18/23 07:56	11/20/23 13:53	1
NEtFOSA	<0.98		2.3	0.98	ng/L		11/18/23 07:56	11/20/23 13:53	1
NMeFOSA	<0.48		2.3	0.48	ng/L		11/18/23 07:56	11/20/23 13:53	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		11/18/23 07:56	11/20/23 13:53	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		11/18/23 07:56	11/20/23 13:53	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/18/23 07:56	11/20/23 13:53	1
NEtFOSE	<0.96		2.3	0.96	ng/L		11/18/23 07:56	11/20/23 13:53	1
4:2 FTS	69		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 13:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		11/18/23 07:56	11/20/23 13:53	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/18/23 07:56	11/20/23 13:53	1
9CI-PF3ONS	<0.27		2.3	0.27	ng/L		11/18/23 07:56	11/20/23 13:53	1
11CI-PF3OUdS	<0.36		2.3	0.36	ng/L		11/18/23 07:56	11/20/23 13:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	133		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C2 PFDA	116		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C2 PFUnA	129		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C2 PFDoA	128		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C2 PFTeDA	116		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C3 PFBS	114		25 - 150	11/18/23 07:56	11/20/23 13:53	1
18O2 PFHxS	135		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C4 PFOS	140		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C8 FOSA	129		10 - 150	11/18/23 07:56	11/20/23 13:53	1
d3-NMeFOSAA	117		25 - 150	11/18/23 07:56	11/20/23 13:53	1
d5-NEtFOSAA	126		25 - 150	11/18/23 07:56	11/20/23 13:53	1
d-N-MeFOSA-M	111		10 - 150	11/18/23 07:56	11/20/23 13:53	1
d-N-EtFOSA-M	101		10 - 150	11/18/23 07:56	11/20/23 13:53	1
d7-N-MeFOSE-M	109		10 - 150	11/18/23 07:56	11/20/23 13:53	1
d9-N-EtFOSE-M	104		10 - 150	11/18/23 07:56	11/20/23 13:53	1
M2-4:2 FTS	123		25 - 150	11/18/23 07:56	11/20/23 13:53	1
13C3 HFPO-DA	122		25 - 150	11/18/23 07:56	11/20/23 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	560		110	54	ng/L		11/18/23 07:56	11/22/23 11:06	20
Perfluoropentanoic acid (PFPeA)	2700		45	11	ng/L		11/18/23 07:56	11/22/23 11:06	20
Perfluorohexanoic acid (PFHxA)	1800		45	13	ng/L		11/18/23 07:56	11/22/23 11:06	20
Perfluoroheptanoic acid (PFHpA)	930		45	5.6	ng/L		11/18/23 07:56	11/22/23 11:06	20
Perfluorooctanoic acid (PFOA)	1200		45	19	ng/L		11/18/23 07:56	11/22/23 11:06	20

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(051-088)-202311

Lab Sample ID: 320-106878-8

Date Collected: 11/08/23 10:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	4700		110	56	ng/L		11/18/23 07:56	11/22/23 11:06	20
8:2 FTS	2300		45	10	ng/L		11/18/23 07:56	11/22/23 11:06	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150				11/18/23 07:56	11/22/23 11:06	20
13C5 PFPeA	82		25 - 150				11/18/23 07:56	11/22/23 11:06	20
13C2 PFHxA	87		25 - 150				11/18/23 07:56	11/22/23 11:06	20
13C4 PFHpA	91		25 - 150				11/18/23 07:56	11/22/23 11:06	20
13C4 PFOA	97		25 - 150				11/18/23 07:56	11/22/23 11:06	20
M2-6:2 FTS	148		25 - 150				11/18/23 07:56	11/22/23 11:06	20
M2-8:2 FTS	108		25 - 150				11/18/23 07:56	11/22/23 11:06	20

Client Sample ID: MP-02-(279-300)-202311

Lab Sample ID: 320-106878-9

Date Collected: 11/07/23 13:24

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorotetradecanoic acid (PFTTeA)	<0.71		1.9	0.71	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		11/18/23 07:56	11/20/23 14:03	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		11/18/23 07:56	11/20/23 14:03	1
NEtFOSA	<0.84		1.9	0.84	ng/L		11/18/23 07:56	11/20/23 14:03	1
NMeFOSA	<0.42		1.9	0.42	ng/L		11/18/23 07:56	11/20/23 14:03	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		11/18/23 07:56	11/20/23 14:03	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		11/18/23 07:56	11/20/23 14:03	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/18/23 07:56	11/20/23 14:03	1
NEtFOSE	<0.82		1.9	0.82	ng/L		11/18/23 07:56	11/20/23 14:03	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/18/23 07:56	11/20/23 14:03	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/18/23 07:56	11/20/23 14:03	1
8:2 FTS	<0.45		1.9	0.45	ng/L		11/18/23 07:56	11/20/23 14:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		11/18/23 07:56	11/20/23 14:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(279-300)-202311

Lab Sample ID: 320-106878-9

Date Collected: 11/07/23 13:24

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/18/23 07:56	11/20/23 14:03	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		11/18/23 07:56	11/20/23 14:03	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		11/18/23 07:56	11/20/23 14:03	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				11/18/23 07:56	11/20/23 14:03	1
13C5 PFPeA	82		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C2 PFHxA	92		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C4 PFHpA	89		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C4 PFOA	100		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C5 PFNA	98		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C2 PFDA	95		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C2 PFUnA	98		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C2 PFDoA	98		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C2 PFTeDA	94		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C3 PFBS	90		25 - 150				11/18/23 07:56	11/20/23 14:03	1
18O2 PFHxS	103		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C4 PFOS	101		25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C8 FOSA	95		10 - 150				11/18/23 07:56	11/20/23 14:03	1
d3-NMeFOSAA	91		25 - 150				11/18/23 07:56	11/20/23 14:03	1
d5-NEtFOSAA	100		25 - 150				11/18/23 07:56	11/20/23 14:03	1
d-N-MeFOSA-M	73		10 - 150				11/18/23 07:56	11/20/23 14:03	1
d-N-EtFOSA-M	77		10 - 150				11/18/23 07:56	11/20/23 14:03	1
d7-N-MeFOSE-M	70		10 - 150				11/18/23 07:56	11/20/23 14:03	1
d9-N-EtFOSE-M	76		10 - 150				11/18/23 07:56	11/20/23 14:03	1
M2-4:2 FTS	86		25 - 150				11/18/23 07:56	11/20/23 14:03	1
M2-6:2 FTS	95		25 - 150				11/18/23 07:56	11/20/23 14:03	1
M2-8:2 FTS	155	*5+	25 - 150				11/18/23 07:56	11/20/23 14:03	1
13C3 HFPO-DA	89		25 - 150				11/18/23 07:56	11/20/23 14:03	1

Client Sample ID: MP-02-(253-276)-202311

Lab Sample ID: 320-106878-10

Date Collected: 11/07/23 13:40

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorotridecanoic acid (PFTeA)	<1.4		2.1	1.4	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/18/23 07:56	11/20/23 14:14	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(253-276)-202311

Lab Sample ID: 320-106878-10

Date Collected: 11/07/23 13:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 14:14	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/18/23 07:56	11/20/23 14:14	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/18/23 07:56	11/20/23 14:14	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/18/23 07:56	11/20/23 14:14	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/18/23 07:56	11/20/23 14:14	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/18/23 07:56	11/20/23 14:14	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/18/23 07:56	11/20/23 14:14	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/18/23 07:56	11/20/23 14:14	1
4:2 FTS	<0.26		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 14:14	1
6:2 FTS	<2.7		5.3	2.7	ng/L		11/18/23 07:56	11/20/23 14:14	1
8:2 FTS	<0.49		2.1	0.49	ng/L		11/18/23 07:56	11/20/23 14:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/18/23 07:56	11/20/23 14:14	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/18/23 07:56	11/20/23 14:14	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		11/18/23 07:56	11/20/23 14:14	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		11/18/23 07:56	11/20/23 14:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C5 PFPeA	82		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C2 PFHxA	88		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C4 PFHpA	88		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C4 PFOA	100		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C5 PFNA	95		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C2 PFDA	96		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C2 PFUnA	89		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C2 PFDoA	92		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C2 PFTeDA	85		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C3 PFBS	95		25 - 150	11/18/23 07:56	11/20/23 14:14	1
18O2 PFHxS	101		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C4 PFOS	102		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C8 FOSA	99		10 - 150	11/18/23 07:56	11/20/23 14:14	1
d3-NMeFOSAA	97		25 - 150	11/18/23 07:56	11/20/23 14:14	1
d5-NEtFOSAA	101		25 - 150	11/18/23 07:56	11/20/23 14:14	1
d-N-MeFOSA-M	74		10 - 150	11/18/23 07:56	11/20/23 14:14	1
d-N-EtFOSA-M	74		10 - 150	11/18/23 07:56	11/20/23 14:14	1
d7-N-MeFOSE-M	70		10 - 150	11/18/23 07:56	11/20/23 14:14	1
d9-N-EtFOSE-M	77		10 - 150	11/18/23 07:56	11/20/23 14:14	1
M2-4:2 FTS	98		25 - 150	11/18/23 07:56	11/20/23 14:14	1
M2-6:2 FTS	100		25 - 150	11/18/23 07:56	11/20/23 14:14	1
M2-8:2 FTS	127		25 - 150	11/18/23 07:56	11/20/23 14:14	1
13C3 HFPO-DA	89		25 - 150	11/18/23 07:56	11/20/23 14:14	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(223-250)-202311

Lab Sample ID: 320-106878-11

Date Collected: 11/07/23 14:03

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		1.9	0.53	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		11/21/23 12:06	11/23/23 01:19	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		11/21/23 12:06	11/23/23 01:19	1
NEtFOSA	<0.85		1.9	0.85	ng/L		11/21/23 12:06	11/23/23 01:19	1
NMeFOSA	<0.42		1.9	0.42	ng/L		11/21/23 12:06	11/23/23 01:19	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		11/21/23 12:06	11/23/23 01:19	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		11/21/23 12:06	11/23/23 01:19	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/21/23 12:06	11/23/23 01:19	1
NEtFOSE	<0.83		1.9	0.83	ng/L		11/21/23 12:06	11/23/23 01:19	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/21/23 12:06	11/23/23 01:19	1
6:2 FTS	<2.4		4.9	2.4	ng/L		11/21/23 12:06	11/23/23 01:19	1
8:2 FTS	<0.45		1.9	0.45	ng/L		11/21/23 12:06	11/23/23 01:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		11/21/23 12:06	11/23/23 01:19	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/21/23 12:06	11/23/23 01:19	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/21/23 12:06	11/23/23 01:19	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/21/23 12:06	11/23/23 01:19	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C5 PFPeA	90		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C2 PFHxA	96		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C4 PFHpA	99		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C4 PFOA	97		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C5 PFNA	97		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C2 PFDA	92		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C2 PFUnA	92		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C2 PFDoA	84		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C2 PFTeDA	82		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C3 PFBS	91		25 - 150	11/21/23 12:06	11/23/23 01:19	1
18O2 PFHxS	107		25 - 150	11/21/23 12:06	11/23/23 01:19	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(223-250)-202311

Lab Sample ID: 320-106878-11

Date Collected: 11/07/23 14:03

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	104		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C8 FOSA	99		10 - 150	11/21/23 12:06	11/23/23 01:19	1
d3-NMeFOSAA	85		25 - 150	11/21/23 12:06	11/23/23 01:19	1
d5-NEtFOSAA	82		25 - 150	11/21/23 12:06	11/23/23 01:19	1
d-N-MeFOSA-M	77		10 - 150	11/21/23 12:06	11/23/23 01:19	1
d-N-EtFOSA-M	70		10 - 150	11/21/23 12:06	11/23/23 01:19	1
d7-N-MeFOSE-M	76		10 - 150	11/21/23 12:06	11/23/23 01:19	1
d9-N-EtFOSE-M	74		10 - 150	11/21/23 12:06	11/23/23 01:19	1
M2-4:2 FTS	73		25 - 150	11/21/23 12:06	11/23/23 01:19	1
M2-6:2 FTS	87		25 - 150	11/21/23 12:06	11/23/23 01:19	1
M2-8:2 FTS	93		25 - 150	11/21/23 12:06	11/23/23 01:19	1
13C3 HFPO-DA	91		25 - 150	11/21/23 12:06	11/23/23 01:19	1

Client Sample ID: MP-02-(198-220)-202311

Lab Sample ID: 320-106878-12

Date Collected: 11/07/23 14:17

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	33		5.4	2.6	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluoropentanoic acid (PFPeA)	170		2.2	0.53	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorohexanoic acid (PFHxA)	100		2.2	0.63	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluoroheptanoic acid (PFHpA)	39		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorooctanoic acid (PFOA)	34		2.2	0.92	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorononanoic acid (PFNA)	2.2		2.2	0.29	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorodecanoic acid (PFDA)	<0.33		2.2	0.33	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.63 J		2.2	0.62	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorooctanesulfonic acid (PFOS)	0.92 J		2.2	0.58	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		11/21/23 12:06	11/23/23 01:29	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 01:29	1
NEtFOSA	<0.94		2.2	0.94	ng/L		11/21/23 12:06	11/23/23 01:29	1
NMeFOSA	<0.46		2.2	0.46	ng/L		11/21/23 12:06	11/23/23 01:29	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/21/23 12:06	11/23/23 01:29	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/21/23 12:06	11/23/23 01:29	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/21/23 12:06	11/23/23 01:29	1
NEtFOSE	<0.92		2.2	0.92	ng/L		11/21/23 12:06	11/23/23 01:29	1
4:2 FTS	4.7		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:29	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(198-220)-202311

Lab Sample ID: 320-106878-12

Date Collected: 11/07/23 14:17

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	21		2.2	0.50	ng/L		11/21/23 12:06	11/23/23 01:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		11/21/23 12:06	11/23/23 01:29	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/21/23 12:06	11/23/23 01:29	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:29	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C5 PFPeA	89		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C2 PFHxA	101		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C4 PFHpA	103		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C4 PFOA	106		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C5 PFNA	109		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C2 PFDA	104		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C2 PFUnA	103		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C2 PFDoA	102		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C2 PFTeDA	94		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C3 PFBS	96		25 - 150				11/21/23 12:06	11/23/23 01:29	1
18O2 PFHxS	109		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C4 PFOS	111		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C8 FOSA	111		10 - 150				11/21/23 12:06	11/23/23 01:29	1
d3-NMeFOSAA	96		25 - 150				11/21/23 12:06	11/23/23 01:29	1
d5-NEtFOSAA	94		25 - 150				11/21/23 12:06	11/23/23 01:29	1
d-N-MeFOSA-M	84		10 - 150				11/21/23 12:06	11/23/23 01:29	1
d-N-EtFOSA-M	77		10 - 150				11/21/23 12:06	11/23/23 01:29	1
d7-N-MeFOSE-M	83		10 - 150				11/21/23 12:06	11/23/23 01:29	1
d9-N-EtFOSE-M	84		10 - 150				11/21/23 12:06	11/23/23 01:29	1
M2-4:2 FTS	91		25 - 150				11/21/23 12:06	11/23/23 01:29	1
M2-8:2 FTS	136		25 - 150				11/21/23 12:06	11/23/23 01:29	1
13C3 HFPO-DA	98		25 - 150				11/21/23 12:06	11/23/23 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	570		27	13	ng/L		11/21/23 12:06	11/27/23 22:33	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	103		25 - 150				11/21/23 12:06	11/27/23 22:33	5

Client Sample ID: MP-02-(153-195)-202311

Lab Sample ID: 320-106878-13

Date Collected: 11/07/23 14:40

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	68		5.4	2.6	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluoropentanoic acid (PFPeA)	300		2.2	0.53	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorohexanoic acid (PFHxA)	180		2.2	0.63	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluoroheptanoic acid (PFHpA)	98		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorooctanoic acid (PFOA)	91		2.2	0.92	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorononanoic acid (PFNA)	11		2.2	0.29	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorodecanoic acid (PFDA)	2.1	J	2.2	0.33	ng/L		11/21/23 12:06	11/23/23 01:39	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(153-195)-202311

Lab Sample ID: 320-106878-13

Date Collected: 11/07/23 14:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.2	0.61	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorooctanesulfonic acid (PFOS)	3.6		2.2	0.58	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		11/21/23 12:06	11/23/23 01:39	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 01:39	1
NEtFOSA	<0.94		2.2	0.94	ng/L		11/21/23 12:06	11/23/23 01:39	1
NMeFOSA	<0.46		2.2	0.46	ng/L		11/21/23 12:06	11/23/23 01:39	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/21/23 12:06	11/23/23 01:39	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/21/23 12:06	11/23/23 01:39	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/21/23 12:06	11/23/23 01:39	1
NEtFOSE	<0.92		2.2	0.92	ng/L		11/21/23 12:06	11/23/23 01:39	1
4:2 FTS	3.9		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:39	1
8:2 FTS	250		2.2	0.50	ng/L		11/21/23 12:06	11/23/23 01:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		11/21/23 12:06	11/23/23 01:39	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/21/23 12:06	11/23/23 01:39	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:39	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C5 PFPeA	81		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C2 PFHxA	92		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C4 PFHpA	91		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C4 PFOA	95		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C5 PFNA	91		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C2 PFDA	94		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C2 PFUnA	90		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C2 PFDoA	89		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C2 PFTeDA	80		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C3 PFBS	89		25 - 150	11/21/23 12:06	11/23/23 01:39	1
18O2 PFHxS	93		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C4 PFOS	107		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C8 FOSA	100		10 - 150	11/21/23 12:06	11/23/23 01:39	1
d3-NMeFOSAA	82		25 - 150	11/21/23 12:06	11/23/23 01:39	1
d5-NEtFOSAA	87		25 - 150	11/21/23 12:06	11/23/23 01:39	1
d-N-MeFOSA-M	74		10 - 150	11/21/23 12:06	11/23/23 01:39	1
d-N-EtFOSA-M	68		10 - 150	11/21/23 12:06	11/23/23 01:39	1
d7-N-MeFOSE-M	73		10 - 150	11/21/23 12:06	11/23/23 01:39	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(153-195)-202311

Lab Sample ID: 320-106878-13

Date Collected: 11/07/23 14:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	70		10 - 150	11/21/23 12:06	11/23/23 01:39	1
M2-4:2 FTS	76		25 - 150	11/21/23 12:06	11/23/23 01:39	1
M2-8:2 FTS	85		25 - 150	11/21/23 12:06	11/23/23 01:39	1
13C3 HFPO-DA	90		25 - 150	11/21/23 12:06	11/23/23 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1300		54	27	ng/L		11/21/23 12:06	11/27/23 22:44	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	101		25 - 150	11/21/23 12:06	11/27/23 22:44	10

Client Sample ID: MP-03-(280-300)-202311

Lab Sample ID: 320-106878-14

Date Collected: 11/07/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.5	2.6	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 01:49	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 01:49	1
NEtFOSA	<0.95		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 01:49	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/21/23 12:06	11/23/23 01:49	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		11/21/23 12:06	11/23/23 01:49	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		11/21/23 12:06	11/23/23 01:49	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/21/23 12:06	11/23/23 01:49	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 01:49	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:49	1
6:2 FTS	<2.7		5.5	2.7	ng/L		11/21/23 12:06	11/23/23 01:49	1
8:2 FTS	<0.50		2.2	0.50	ng/L		11/21/23 12:06	11/23/23 01:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/21/23 12:06	11/23/23 01:49	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(280-300)-202311

Lab Sample ID: 320-106878-14

Date Collected: 11/07/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/21/23 12:06	11/23/23 01:49	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 01:49	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 01:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C5 PFPeA	94		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C2 PFHxA	97		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C4 PFHpA	96		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C4 PFOA	103		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C5 PFNA	100		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C2 PFDA	101		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C2 PFUnA	86		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C2 PFDoA	70		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C2 PFTeDA	56		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C3 PFBS	94		25 - 150				11/21/23 12:06	11/23/23 01:49	1
18O2 PFHxS	105		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C4 PFOS	107		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C8 FOSA	100		10 - 150				11/21/23 12:06	11/23/23 01:49	1
d3-NMeFOSAA	78		25 - 150				11/21/23 12:06	11/23/23 01:49	1
d5-NEtFOSAA	74		25 - 150				11/21/23 12:06	11/23/23 01:49	1
d-N-MeFOSA-M	70		10 - 150				11/21/23 12:06	11/23/23 01:49	1
d-N-EtFOSA-M	61		10 - 150				11/21/23 12:06	11/23/23 01:49	1
d7-N-MeFOSE-M	57		10 - 150				11/21/23 12:06	11/23/23 01:49	1
d9-N-EtFOSE-M	52		10 - 150				11/21/23 12:06	11/23/23 01:49	1
M2-4:2 FTS	84		25 - 150				11/21/23 12:06	11/23/23 01:49	1
M2-6:2 FTS	81		25 - 150				11/21/23 12:06	11/23/23 01:49	1
M2-8:2 FTS	101		25 - 150				11/21/23 12:06	11/23/23 01:49	1
13C3 HFPO-DA	94		25 - 150				11/21/23 12:06	11/23/23 01:49	1

Client Sample ID: MP-03-(245-277)-202311

Lab Sample ID: 320-106878-15

Date Collected: 11/07/23 11:12

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluoropentanoic acid (PFPeA)	5.5		2.0	0.49	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorohexanoic acid (PFHxA)	4.4		2.0	0.57	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluoroheptanoic acid (PFHpA)	2.4		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorooctanoic acid (PFOA)	2.8		2.0	0.84	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		11/21/23 12:06	11/23/23 02:00	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(245-277)-202311

Lab Sample ID: 320-106878-15

Date Collected: 11/07/23 11:12

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		11/21/23 12:06	11/23/23 02:00	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		11/21/23 12:06	11/23/23 02:00	1
NEtFOSA	<0.86		2.0	0.86	ng/L		11/21/23 12:06	11/23/23 02:00	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/21/23 12:06	11/23/23 02:00	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/21/23 12:06	11/23/23 02:00	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/21/23 12:06	11/23/23 02:00	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/21/23 12:06	11/23/23 02:00	1
NEtFOSE	<0.84		2.0	0.84	ng/L		11/21/23 12:06	11/23/23 02:00	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 02:00	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/21/23 12:06	11/23/23 02:00	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/21/23 12:06	11/23/23 02:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/21/23 12:06	11/23/23 02:00	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/21/23 12:06	11/23/23 02:00	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 02:00	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 02:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	69		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C5 PFPeA	68		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C2 PFHxA	75		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C4 PFHpA	71		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C4 PFOA	75		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C5 PFNA	78		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C2 PFDA	67		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C2 PFUnA	59		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C2 PFDoA	50		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C2 PFTeDA	49		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C3 PFBS	66		25 - 150	11/21/23 12:06	11/23/23 02:00	1
18O2 PFHxS	78		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C4 PFOS	75		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C8 FOSA	75		10 - 150	11/21/23 12:06	11/23/23 02:00	1
d3-NMeFOSAA	55		25 - 150	11/21/23 12:06	11/23/23 02:00	1
d5-NEtFOSAA	51		25 - 150	11/21/23 12:06	11/23/23 02:00	1
d-N-MeFOSA-M	49		10 - 150	11/21/23 12:06	11/23/23 02:00	1
d-N-EtFOSA-M	46		10 - 150	11/21/23 12:06	11/23/23 02:00	1
d7-N-MeFOSE-M	40		10 - 150	11/21/23 12:06	11/23/23 02:00	1
d9-N-EtFOSE-M	37		10 - 150	11/21/23 12:06	11/23/23 02:00	1
M2-4:2 FTS	62		25 - 150	11/21/23 12:06	11/23/23 02:00	1
M2-6:2 FTS	62		25 - 150	11/21/23 12:06	11/23/23 02:00	1
M2-8:2 FTS	100		25 - 150	11/21/23 12:06	11/23/23 02:00	1
13C3 HFPO-DA	67		25 - 150	11/21/23 12:06	11/23/23 02:00	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(220-242)-202311

Lab Sample ID: 320-106878-16

Date Collected: 11/07/23 11:22

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:10	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:10	1
NEtFOSA	<0.91		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 02:10	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/21/23 12:06	11/23/23 02:10	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/21/23 12:06	11/23/23 02:10	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/21/23 12:06	11/23/23 02:10	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/21/23 12:06	11/23/23 02:10	1
NEtFOSE	<0.89		2.1	0.89	ng/L		11/21/23 12:06	11/23/23 02:10	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 02:10	1
6:2 FTS	<2.6		5.3	2.6	ng/L		11/21/23 12:06	11/23/23 02:10	1
8:2 FTS	<0.48		2.1	0.48	ng/L		11/21/23 12:06	11/23/23 02:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/21/23 12:06	11/23/23 02:10	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/21/23 12:06	11/23/23 02:10	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 02:10	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C5 PFPeA	66		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C2 PFHxA	72		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C4 PFHpA	72		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C4 PFOA	79		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C5 PFNA	71		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C2 PFDA	73		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C2 PFUnA	64		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C2 PFDoA	53		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C2 PFTeDA	47		25 - 150				11/21/23 12:06	11/23/23 02:10	1
13C3 PFBS	68		25 - 150				11/21/23 12:06	11/23/23 02:10	1
18O2 PFHxS	82		25 - 150				11/21/23 12:06	11/23/23 02:10	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(220-242)-202311

Lab Sample ID: 320-106878-16

Date Collected: 11/07/23 11:22

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	75		25 - 150	11/21/23 12:06	11/23/23 02:10	1
13C8 FOSA	74		10 - 150	11/21/23 12:06	11/23/23 02:10	1
d3-NMeFOSAA	58		25 - 150	11/21/23 12:06	11/23/23 02:10	1
d5-NEtFOSAA	55		25 - 150	11/21/23 12:06	11/23/23 02:10	1
d-N-MeFOSA-M	48		10 - 150	11/21/23 12:06	11/23/23 02:10	1
d-N-EtFOSA-M	43		10 - 150	11/21/23 12:06	11/23/23 02:10	1
d7-N-MeFOSE-M	38		10 - 150	11/21/23 12:06	11/23/23 02:10	1
d9-N-EtFOSE-M	41		10 - 150	11/21/23 12:06	11/23/23 02:10	1
M2-4:2 FTS	53		25 - 150	11/21/23 12:06	11/23/23 02:10	1
M2-6:2 FTS	69		25 - 150	11/21/23 12:06	11/23/23 02:10	1
M2-8:2 FTS	110		25 - 150	11/21/23 12:06	11/23/23 02:10	1
13C3 HFPO-DA	68		25 - 150	11/21/23 12:06	11/23/23 02:10	1

Client Sample ID: MP-03-(190-217)-202311

Lab Sample ID: 320-106878-17

Date Collected: 11/07/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluoropentanoic acid (PFPeA)	1.7	J	2.1	0.52	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorohexanoic acid (PFHxA)	1.9	J	2.1	0.61	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorooctanoic acid (PFOA)	0.90	J	2.1	0.90	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:20	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:20	1
NEtFOSA	<0.92		2.1	0.92	ng/L		11/21/23 12:06	11/23/23 02:20	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/21/23 12:06	11/23/23 02:20	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/21/23 12:06	11/23/23 02:20	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/21/23 12:06	11/23/23 02:20	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/21/23 12:06	11/23/23 02:20	1
NEtFOSE	<0.90		2.1	0.90	ng/L		11/21/23 12:06	11/23/23 02:20	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 02:20	1
6:2 FTS	10		5.3	2.6	ng/L		11/21/23 12:06	11/23/23 02:20	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(190-217)-202311

Lab Sample ID: 320-106878-17

Date Collected: 11/07/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/21/23 12:06	11/23/23 02:20	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/21/23 12:06	11/23/23 02:20	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 02:20	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	110		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C5 PFPeA	86		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C2 PFHxA	92		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C4 PFHpA	92		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C4 PFOA	100		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C5 PFNA	94		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C2 PFDA	102		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C2 PFUnA	94		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C2 PFDoA	93		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C2 PFTeDA	89		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C3 PFBS	94		25 - 150				11/21/23 12:06	11/23/23 02:20	1
18O2 PFHxS	105		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C4 PFOS	106		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C8 FOSA	101		10 - 150				11/21/23 12:06	11/23/23 02:20	1
d3-NMeFOSAA	90		25 - 150				11/21/23 12:06	11/23/23 02:20	1
d5-NEtFOSAA	99		25 - 150				11/21/23 12:06	11/23/23 02:20	1
d-N-MeFOSA-M	73		10 - 150				11/21/23 12:06	11/23/23 02:20	1
d-N-EtFOSA-M	76		10 - 150				11/21/23 12:06	11/23/23 02:20	1
d7-N-MeFOSE-M	65		10 - 150				11/21/23 12:06	11/23/23 02:20	1
d9-N-EtFOSE-M	74		10 - 150				11/21/23 12:06	11/23/23 02:20	1
M2-4:2 FTS	87		25 - 150				11/21/23 12:06	11/23/23 02:20	1
M2-6:2 FTS	95		25 - 150				11/21/23 12:06	11/23/23 02:20	1
13C3 HFPO-DA	92		25 - 150				11/21/23 12:06	11/23/23 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<4.9		21	4.9	ng/L		11/21/23 12:06	11/28/23 15:21	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-8:2 FTS	120		25 - 150				11/21/23 12:06	11/28/23 15:21	10

Client Sample ID: MP-03-(160-187)-202311

Lab Sample ID: 320-106878-18

Date Collected: 11/07/23 11:40

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		5.3	2.6	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluoropentanoic acid (PFPeA)	84		2.1	0.52	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorohexanoic acid (PFHxA)	47		2.1	0.62	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluoroheptanoic acid (PFHpA)	15		2.1	0.27	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorooctanoic acid (PFOA)	12		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorononanoic acid (PFNA)	0.76	J	2.1	0.29	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/21/23 12:06	11/23/23 02:51	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(160-187)-202311

Lab Sample ID: 320-106878-18

Date Collected: 11/07/23 11:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorooctanesulfonic acid (PFOS)	0.64	J	2.1	0.58	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:51	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 02:51	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/21/23 12:06	11/23/23 02:51	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/21/23 12:06	11/23/23 02:51	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/21/23 12:06	11/23/23 02:51	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/21/23 12:06	11/23/23 02:51	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/21/23 12:06	11/23/23 02:51	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 02:51	1
4:2 FTS	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 02:51	1
6:2 FTS	95		5.3	2.7	ng/L		11/21/23 12:06	11/23/23 02:51	1
8:2 FTS	6.7		2.1	0.49	ng/L		11/21/23 12:06	11/23/23 02:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/21/23 12:06	11/23/23 02:51	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/21/23 12:06	11/23/23 02:51	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 02:51	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 02:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C5 PFPeA	85		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C2 PFHxA	93		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C4 PFHpA	90		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C4 PFOA	97		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C5 PFNA	92		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C2 PFDA	94		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C2 PFUnA	88		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C2 PFDoA	89		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C2 PFTeDA	70		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C3 PFBS	90		25 - 150				11/21/23 12:06	11/23/23 02:51	1
18O2 PFHxS	105		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C4 PFOS	98		25 - 150				11/21/23 12:06	11/23/23 02:51	1
13C8 FOSA	102		10 - 150				11/21/23 12:06	11/23/23 02:51	1
d3-NMeFOSAA	79		25 - 150				11/21/23 12:06	11/23/23 02:51	1
d5-NEtFOSAA	84		25 - 150				11/21/23 12:06	11/23/23 02:51	1
d-N-MeFOSA-M	75		10 - 150				11/21/23 12:06	11/23/23 02:51	1
d-N-EtFOSA-M	68		10 - 150				11/21/23 12:06	11/23/23 02:51	1
d7-N-MeFOSE-M	71		10 - 150				11/21/23 12:06	11/23/23 02:51	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(160-187)-202311

Lab Sample ID: 320-106878-18

Date Collected: 11/07/23 11:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	69		10 - 150	11/21/23 12:06	11/23/23 02:51	1
M2-4:2 FTS	71		25 - 150	11/21/23 12:06	11/23/23 02:51	1
M2-6:2 FTS	78		25 - 150	11/21/23 12:06	11/23/23 02:51	1
M2-8:2 FTS	89		25 - 150	11/21/23 12:06	11/23/23 02:51	1
13C3 HFPO-DA	92		25 - 150	11/21/23 12:06	11/23/23 02:51	1

Client Sample ID: MP-03-(120-157)-202311

Lab Sample ID: 320-106878-19

Date Collected: 11/07/23 12:05

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	17		5.5	2.6	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluoropentanoic acid (PFPeA)	32		2.2	0.53	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorohexanoic acid (PFHxA)	15		2.2	0.63	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluoroheptanoic acid (PFHpA)	15		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorooctanoic acid (PFOA)	9.4		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorononanoic acid (PFNA)	0.37	J	2.2	0.29	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorooctanesulfonic acid (PFOS)	4.9		2.2	0.59	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:01	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:01	1
NEtFOSA	<0.95		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 03:01	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/21/23 12:06	11/23/23 03:01	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		11/21/23 12:06	11/23/23 03:01	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		11/21/23 12:06	11/23/23 03:01	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/21/23 12:06	11/23/23 03:01	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 03:01	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 03:01	1
6:2 FTS	<2.7		5.5	2.7	ng/L		11/21/23 12:06	11/23/23 03:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/21/23 12:06	11/23/23 03:01	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/21/23 12:06	11/23/23 03:01	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 03:01	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:01	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	104		25 - 150	11/21/23 12:06	11/23/23 03:01	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(120-157)-202311

Lab Sample ID: 320-106878-19

Date Collected: 11/07/23 12:05

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	90		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C2 PFHxA	97		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C4 PFHpA	96		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C4 PFOA	102		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C5 PFNA	104		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C2 PFDA	106		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C2 PFUnA	98		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C2 PFDoA	90		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C2 PFTeDA	91		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C3 PFBS	92		25 - 150	11/21/23 12:06	11/23/23 03:01	1
18O2 PFHxS	109		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C4 PFOS	111		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C8 FOSA	107		10 - 150	11/21/23 12:06	11/23/23 03:01	1
d3-NMeFOSAA	92		25 - 150	11/21/23 12:06	11/23/23 03:01	1
d5-NEtFOSAA	102		25 - 150	11/21/23 12:06	11/23/23 03:01	1
d-N-MeFOSA-M	75		10 - 150	11/21/23 12:06	11/23/23 03:01	1
d-N-EtFOSA-M	79		10 - 150	11/21/23 12:06	11/23/23 03:01	1
d7-N-MeFOSE-M	66		10 - 150	11/21/23 12:06	11/23/23 03:01	1
d9-N-EtFOSE-M	82		10 - 150	11/21/23 12:06	11/23/23 03:01	1
M2-4:2 FTS	81		25 - 150	11/21/23 12:06	11/23/23 03:01	1
M2-6:2 FTS	90		25 - 150	11/21/23 12:06	11/23/23 03:01	1
13C3 HFPO-DA	92		25 - 150	11/21/23 12:06	11/23/23 03:01	1

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		11/21/23 12:06	11/28/23 14:48	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-8:2 FTS	135		25 - 150	11/21/23 12:06	11/28/23 14:48	1			

Client Sample ID: MP-03-(083-117)-202311

Lab Sample ID: 320-106878-20

Date Collected: 11/07/23 12:18

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	25		5.6	2.7	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluoropentanoic acid (PFPeA)	42		2.2	0.55	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorohexanoic acid (PFHxA)	22		2.2	0.65	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluoroheptanoic acid (PFHpA)	31		2.2	0.28	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorooctanoic acid (PFOA)	17		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorononanoic acid (PFNA)	0.95	J	2.2	0.30	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.2	0.62	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.2	1.5	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorobutanesulfonic acid (PFBS)	0.28	J	2.2	0.22	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		11/21/23 12:06	11/23/23 03:12	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(083-117)-202311

Lab Sample ID: 320-106878-20

Date Collected: 11/07/23 12:18

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorooctanesulfonic acid (PFOS)	4.5		2.2	0.60	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:12	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:12	1
NEtFOSA	<0.97		2.2	0.97	ng/L		11/21/23 12:06	11/23/23 03:12	1
NMeFOSA	<0.48		2.2	0.48	ng/L		11/21/23 12:06	11/23/23 03:12	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		11/21/23 12:06	11/23/23 03:12	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		11/21/23 12:06	11/23/23 03:12	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/21/23 12:06	11/23/23 03:12	1
NEtFOSE	<0.95		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 03:12	1
4:2 FTS	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:12	1
6:2 FTS	<2.8		5.6	2.8	ng/L		11/21/23 12:06	11/23/23 03:12	1
8:2 FTS	2.1 J		2.2	0.51	ng/L		11/21/23 12:06	11/23/23 03:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		11/21/23 12:06	11/23/23 03:12	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/21/23 12:06	11/23/23 03:12	1
9CI-PF3ONS	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:12	1
11CI-PF3OUdS	<0.36		2.2	0.36	ng/L		11/21/23 12:06	11/23/23 03:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C5 PFPeA	83		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C2 PFHxA	95		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C4 PFHpA	88		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C4 PFOA	94		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C5 PFNA	93		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C2 PFDA	91		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C2 PFUnA	83		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C2 PFDoA	83		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C2 PFTeDA	83		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C3 PFBS	85		25 - 150	11/21/23 12:06	11/23/23 03:12	1
18O2 PFHxS	95		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C4 PFOS	95		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C8 FOSA	98		10 - 150	11/21/23 12:06	11/23/23 03:12	1
d3-NMeFOSAA	72		25 - 150	11/21/23 12:06	11/23/23 03:12	1
d5-NEtFOSAA	81		25 - 150	11/21/23 12:06	11/23/23 03:12	1
d-N-MeFOSA-M	78		10 - 150	11/21/23 12:06	11/23/23 03:12	1
d-N-EtFOSA-M	73		10 - 150	11/21/23 12:06	11/23/23 03:12	1
d7-N-MeFOSE-M	75		10 - 150	11/21/23 12:06	11/23/23 03:12	1
d9-N-EtFOSE-M	69		10 - 150	11/21/23 12:06	11/23/23 03:12	1
M2-4:2 FTS	79		25 - 150	11/21/23 12:06	11/23/23 03:12	1
M2-6:2 FTS	80		25 - 150	11/21/23 12:06	11/23/23 03:12	1
M2-8:2 FTS	76		25 - 150	11/21/23 12:06	11/23/23 03:12	1
13C3 HFPO-DA	85		25 - 150	11/21/23 12:06	11/23/23 03:12	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(046-080)-202311

Lab Sample ID: 320-106878-21

Date Collected: 11/07/23 12:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	50		6.4	3.1	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluoropentanoic acid (PFPeA)	200		2.6	0.63	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorohexanoic acid (PFHxA)	88		2.6	0.74	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluoroheptanoic acid (PFHpA)	91		2.6	0.32	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorooctanoic acid (PFOA)	6.2		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorononanoic acid (PFNA)	<0.35		2.6	0.35	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.6	0.70	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.6	1.7	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.94		2.6	0.94	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.26		2.6	0.26	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.6	0.38	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.73		2.6	0.73	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.6	0.24	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.6	0.69	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.6	0.47	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.6	1.2	ng/L		11/21/23 12:06	11/23/23 03:22	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		11/21/23 12:06	11/23/23 03:22	1
NEtFOSA	<1.1		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 03:22	1
NMeFOSA	<0.55		2.6	0.55	ng/L		11/21/23 12:06	11/23/23 03:22	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		11/21/23 12:06	11/23/23 03:22	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		11/21/23 12:06	11/23/23 03:22	1
NMeFOSE	<1.8		5.1	1.8	ng/L		11/21/23 12:06	11/23/23 03:22	1
NEtFOSE	<1.1		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 03:22	1
4:2 FTS	<0.31		2.6	0.31	ng/L		11/21/23 12:06	11/23/23 03:22	1
6:2 FTS	<3.2		6.4	3.2	ng/L		11/21/23 12:06	11/23/23 03:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.6	0.51	ng/L		11/21/23 12:06	11/23/23 03:22	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		11/21/23 12:06	11/23/23 03:22	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		11/21/23 12:06	11/23/23 03:22	1
11Cl-PF3OUdS	<0.41		2.6	0.41	ng/L		11/21/23 12:06	11/23/23 03:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C5 PFPeA	73		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C2 PFHxA	89		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C4 PFHpA	84		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C4 PFOA	98		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C5 PFNA	93		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C2 PFDA	94		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C2 PFUnA	93		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C2 PFDoA	87		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C2 PFTeDA	83		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C3 PFBS	89		25 - 150	11/21/23 12:06	11/23/23 03:22	1
18O2 PFHxS	97		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C4 PFOS	96		25 - 150	11/21/23 12:06	11/23/23 03:22	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(046-080)-202311

Lab Sample ID: 320-106878-21

Date Collected: 11/07/23 12:30

Matrix: Water

Date Received: 11/09/23 09:45

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	99		10 - 150	11/21/23 12:06	11/23/23 03:22	1
d3-NMeFOSAA	86		25 - 150	11/21/23 12:06	11/23/23 03:22	1
d5-NEtFOSAA	82		25 - 150	11/21/23 12:06	11/23/23 03:22	1
d-N-MeFOSA-M	80		10 - 150	11/21/23 12:06	11/23/23 03:22	1
d-N-EtFOSA-M	73		10 - 150	11/21/23 12:06	11/23/23 03:22	1
d7-N-MeFOSE-M	75		10 - 150	11/21/23 12:06	11/23/23 03:22	1
d9-N-EtFOSE-M	75		10 - 150	11/21/23 12:06	11/23/23 03:22	1
M2-4:2 FTS	72		25 - 150	11/21/23 12:06	11/23/23 03:22	1
M2-6:2 FTS	73		25 - 150	11/21/23 12:06	11/23/23 03:22	1
13C3 HFPO-DA	85		25 - 150	11/21/23 12:06	11/23/23 03:22	1

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

<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>
8:2 FTS	<0.59		2.6	0.59	ng/L		11/21/23 12:06	11/28/23 14:59	1

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-8:2 FTS	107		25 - 150	11/21/23 12:06	11/28/23 14:59	1

Client Sample ID: MP-04-(275-291)-202311

Lab Sample ID: 320-106878-22

Date Collected: 11/06/23 14:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		11/21/23 12:06	11/23/23 03:32	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		11/21/23 12:06	11/23/23 03:32	1
NEtFOSA	<0.86		2.0	0.86	ng/L		11/21/23 12:06	11/23/23 03:32	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/21/23 12:06	11/23/23 03:32	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/21/23 12:06	11/23/23 03:32	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/21/23 12:06	11/23/23 03:32	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/21/23 12:06	11/23/23 03:32	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(275-291)-202311

Lab Sample ID: 320-106878-22

Date Collected: 11/06/23 14:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.84		2.0	0.84	ng/L		11/21/23 12:06	11/23/23 03:32	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 03:32	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/21/23 12:06	11/23/23 03:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/21/23 12:06	11/23/23 03:32	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/21/23 12:06	11/23/23 03:32	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 03:32	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 03:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C5 PFPeA	83		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C2 PFHxA	84		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C4 PFHpA	85		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C4 PFOA	96		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C5 PFNA	95		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C2 PFDA	96		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C2 PFUnA	87		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C2 PFDoA	92		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C2 PFTeDA	83		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C3 PFBS	78		25 - 150	11/21/23 12:06	11/23/23 03:32	1
18O2 PFHxS	97		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C4 PFOS	96		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C8 FOSA	96		10 - 150	11/21/23 12:06	11/23/23 03:32	1
d3-NMeFOSAA	92		25 - 150	11/21/23 12:06	11/23/23 03:32	1
d5-NEtFOSAA	87		25 - 150	11/21/23 12:06	11/23/23 03:32	1
d-N-MeFOSA-M	77		10 - 150	11/21/23 12:06	11/23/23 03:32	1
d-N-EtFOSA-M	74		10 - 150	11/21/23 12:06	11/23/23 03:32	1
d7-N-MeFOSE-M	70		10 - 150	11/21/23 12:06	11/23/23 03:32	1
d9-N-EtFOSE-M	83		10 - 150	11/21/23 12:06	11/23/23 03:32	1
M2-4:2 FTS	71		25 - 150	11/21/23 12:06	11/23/23 03:32	1
M2-6:2 FTS	74		25 - 150	11/21/23 12:06	11/23/23 03:32	1
13C3 HFPO-DA	84		25 - 150	11/21/23 12:06	11/23/23 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.46		2.0	0.46	ng/L		11/21/23 12:06	11/28/23 15:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	134		25 - 150	11/21/23 12:06	11/28/23 15:10	1

Client Sample ID: MP-04-(245-272)-202311

Lab Sample ID: 320-106878-23

Date Collected: 11/06/23 14:20

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.5	2.6	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 03:42	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(245-272)-202311

Lab Sample ID: 320-106878-23

Date Collected: 11/06/23 14:20

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:42	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:42	1
NEtFOSA	<0.96		2.2	0.96	ng/L		11/21/23 12:06	11/23/23 03:42	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/21/23 12:06	11/23/23 03:42	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		11/21/23 12:06	11/23/23 03:42	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		11/21/23 12:06	11/23/23 03:42	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/21/23 12:06	11/23/23 03:42	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/21/23 12:06	11/23/23 03:42	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 03:42	1
6:2 FTS	<2.7		5.5	2.7	ng/L		11/21/23 12:06	11/23/23 03:42	1
8:2 FTS	<0.51		2.2	0.51	ng/L		11/21/23 12:06	11/23/23 03:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/21/23 12:06	11/23/23 03:42	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/21/23 12:06	11/23/23 03:42	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		11/21/23 12:06	11/23/23 03:42	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C5 PFPeA	87		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C2 PFHxA	85		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C4 PFHpA	93		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C4 PFOA	99		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C5 PFNA	88		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C2 PFDA	93		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C2 PFUnA	84		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C2 PFDoA	79		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C2 PFTeDA	72		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C3 PFBS	82		25 - 150	11/21/23 12:06	11/23/23 03:42	1
18O2 PFHxS	93		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C4 PFOS	92		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C8 FOSA	90		10 - 150	11/21/23 12:06	11/23/23 03:42	1
d3-NMeFOSAA	78		25 - 150	11/21/23 12:06	11/23/23 03:42	1
d5-NEtFOSAA	78		25 - 150	11/21/23 12:06	11/23/23 03:42	1
d-N-MeFOSA-M	71		10 - 150	11/21/23 12:06	11/23/23 03:42	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(245-272)-202311

Lab Sample ID: 320-106878-23

Date Collected: 11/06/23 14:20

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	64		10 - 150	11/21/23 12:06	11/23/23 03:42	1
d7-N-MeFOSE-M	70		10 - 150	11/21/23 12:06	11/23/23 03:42	1
d9-N-EtFOSE-M	70		10 - 150	11/21/23 12:06	11/23/23 03:42	1
M2-4:2 FTS	76		25 - 150	11/21/23 12:06	11/23/23 03:42	1
M2-6:2 FTS	78		25 - 150	11/21/23 12:06	11/23/23 03:42	1
M2-8:2 FTS	89		25 - 150	11/21/23 12:06	11/23/23 03:42	1
13C3 HFPO-DA	85		25 - 150	11/21/23 12:06	11/23/23 03:42	1

Client Sample ID: MP-04-(220-242)-202311

Lab Sample ID: 320-106878-24

Date Collected: 11/06/23 14:35

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.6	2.7	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.2	0.55	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.2	0.65	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorooctanoic acid (PFOA)	<0.95		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.2	1.5	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:53	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/21/23 12:06	11/23/23 03:53	1
NEtFOSA	<0.97		2.2	0.97	ng/L		11/21/23 12:06	11/23/23 03:53	1
NMeFOSA	<0.48		2.2	0.48	ng/L		11/21/23 12:06	11/23/23 03:53	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		11/21/23 12:06	11/23/23 03:53	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		11/21/23 12:06	11/23/23 03:53	1
NMeFOSE	<1.6		4.5	1.6	ng/L		11/21/23 12:06	11/23/23 03:53	1
NEtFOSE	<0.95		2.2	0.95	ng/L		11/21/23 12:06	11/23/23 03:53	1
4:2 FTS	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:53	1
6:2 FTS	<2.8		5.6	2.8	ng/L		11/21/23 12:06	11/23/23 03:53	1
8:2 FTS	<0.51		2.2	0.51	ng/L		11/21/23 12:06	11/23/23 03:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		11/21/23 12:06	11/23/23 03:53	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		11/21/23 12:06	11/23/23 03:53	1
9CI-PF3ONS	<0.27		2.2	0.27	ng/L		11/21/23 12:06	11/23/23 03:53	1
11CI-PF3OUdS	<0.36		2.2	0.36	ng/L		11/21/23 12:06	11/23/23 03:53	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(220-242)-202311

Lab Sample ID: 320-106878-24

Date Collected: 11/06/23 14:35

Matrix: Water

Date Received: 11/09/23 09:45

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	103		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C5 PFPeA	92		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C2 PFHxA	102		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C4 PFHpA	100		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C4 PFOA	100		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C5 PFNA	94		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C2 PFDA	96		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C2 PFUnA	92		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C2 PFDoA	86		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C2 PFTeDA	74		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C3 PFBS	92		25 - 150	11/21/23 12:06	11/23/23 03:53	1
18O2 PFHxS	108		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C4 PFOS	103		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C8 FOSA	103		10 - 150	11/21/23 12:06	11/23/23 03:53	1
d3-NMeFOSAA	83		25 - 150	11/21/23 12:06	11/23/23 03:53	1
d5-NEtFOSAA	85		25 - 150	11/21/23 12:06	11/23/23 03:53	1
d-N-MeFOSA-M	84		10 - 150	11/21/23 12:06	11/23/23 03:53	1
d-N-EtFOSA-M	78		10 - 150	11/21/23 12:06	11/23/23 03:53	1
d7-N-MeFOSE-M	74		10 - 150	11/21/23 12:06	11/23/23 03:53	1
d9-N-EtFOSE-M	72		10 - 150	11/21/23 12:06	11/23/23 03:53	1
M2-4:2 FTS	81		25 - 150	11/21/23 12:06	11/23/23 03:53	1
M2-6:2 FTS	93		25 - 150	11/21/23 12:06	11/23/23 03:53	1
M2-8:2 FTS	96		25 - 150	11/21/23 12:06	11/23/23 03:53	1
13C3 HFPO-DA	93		25 - 150	11/21/23 12:06	11/23/23 03:53	1

Client Sample ID: MP-04-(195-217)-202311

Lab Sample ID: 320-106878-25

Date Collected: 11/06/23 14:45

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorotridecanoic acid (PFTeDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 04:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(195-217)-202311

Lab Sample ID: 320-106878-25

Date Collected: 11/06/23 14:45

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 04:03	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 04:03	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/21/23 12:06	11/23/23 04:03	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/21/23 12:06	11/23/23 04:03	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/21/23 12:06	11/23/23 04:03	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/21/23 12:06	11/23/23 04:03	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/21/23 12:06	11/23/23 04:03	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 04:03	1
4:2 FTS	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 04:03	1
6:2 FTS	<2.7		5.3	2.7	ng/L		11/21/23 12:06	11/23/23 04:03	1
8:2 FTS	<0.49		2.1	0.49	ng/L		11/21/23 12:06	11/23/23 04:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/21/23 12:06	11/23/23 04:03	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/21/23 12:06	11/23/23 04:03	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 04:03	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 04:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C5 PFPeA	85		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C2 PFHxA	92		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C4 PFHpA	93		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C4 PFOA	100		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C5 PFNA	97		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C2 PFDA	100		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C2 PFUnA	93		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C2 PFDoA	98		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C2 PFTeDA	87		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C3 PFBS	92		25 - 150	11/21/23 12:06	11/23/23 04:03	1
18O2 PFHxS	107		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C4 PFOS	102		25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C8 FOSA	103		10 - 150	11/21/23 12:06	11/23/23 04:03	1
d3-NMeFOSAA	89		25 - 150	11/21/23 12:06	11/23/23 04:03	1
d5-NEtFOSAA	88		25 - 150	11/21/23 12:06	11/23/23 04:03	1
d-N-MeFOSA-M	80		10 - 150	11/21/23 12:06	11/23/23 04:03	1
d-N-EtFOSA-M	79		10 - 150	11/21/23 12:06	11/23/23 04:03	1
d7-N-MeFOSE-M	79		10 - 150	11/21/23 12:06	11/23/23 04:03	1
d9-N-EtFOSE-M	78		10 - 150	11/21/23 12:06	11/23/23 04:03	1
M2-4:2 FTS	77		25 - 150	11/21/23 12:06	11/23/23 04:03	1
M2-6:2 FTS	79		25 - 150	11/21/23 12:06	11/23/23 04:03	1
M2-8:2 FTS	183	*5+	25 - 150	11/21/23 12:06	11/23/23 04:03	1
13C3 HFPO-DA	92		25 - 150	11/21/23 12:06	11/23/23 04:03	1

Client Sample ID: MP-04-(155-192)-202311

Lab Sample ID: 320-106878-26

Date Collected: 11/06/23 15:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	33		5.1	2.4	ng/L		11/21/23 12:06	11/23/23 04:13	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(155-192)-202311

Lab Sample ID: 320-106878-26

Date Collected: 11/06/23 15:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	150		2.0	0.50	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorohexanoic acid (PFHxA)	110		2.0	0.59	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluoroheptanoic acid (PFHpA)	33		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorooctanoic acid (PFOA)	39		2.0	0.86	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorononanoic acid (PFNA)	1.8	J	2.0	0.27	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.68	J	2.0	0.58	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorooctanesulfonic acid (PFOS)	0.89	J	2.0	0.55	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		11/21/23 12:06	11/23/23 04:13	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		11/21/23 12:06	11/23/23 04:13	1
NEtFOSA	<0.88		2.0	0.88	ng/L		11/21/23 12:06	11/23/23 04:13	1
NMeFOSA	<0.44		2.0	0.44	ng/L		11/21/23 12:06	11/23/23 04:13	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		11/21/23 12:06	11/23/23 04:13	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		11/21/23 12:06	11/23/23 04:13	1
NMeFOSE	<1.4		4.1	1.4	ng/L		11/21/23 12:06	11/23/23 04:13	1
NEtFOSE	<0.86		2.0	0.86	ng/L		11/21/23 12:06	11/23/23 04:13	1
4:2 FTS	5.9		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 04:13	1
8:2 FTS	27		2.0	0.47	ng/L		11/21/23 12:06	11/23/23 04:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		11/21/23 12:06	11/23/23 04:13	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		11/21/23 12:06	11/23/23 04:13	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 04:13	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 04:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C5 PFPeA	98		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C2 PFHxA	96		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C4 PFHpA	101		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C4 PFOA	102		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C5 PFNA	110		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C2 PFDA	104		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C2 PFUnA	107		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C2 PFDoA	105		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C2 PFTeDA	90		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C3 PFBS	102		25 - 150				11/21/23 12:06	11/23/23 04:13	1
18O2 PFHxS	108		25 - 150				11/21/23 12:06	11/23/23 04:13	1
13C4 PFOS	115		25 - 150				11/21/23 12:06	11/23/23 04:13	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(155-192)-202311

Lab Sample ID: 320-106878-26

Date Collected: 11/06/23 15:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	116		10 - 150	11/21/23 12:06	11/23/23 04:13	1
d3-NMeFOSAA	96		25 - 150	11/21/23 12:06	11/23/23 04:13	1
d5-NEtFOSAA	103		25 - 150	11/21/23 12:06	11/23/23 04:13	1
d-N-MeFOSA-M	91		10 - 150	11/21/23 12:06	11/23/23 04:13	1
d-N-EtFOSA-M	87		10 - 150	11/21/23 12:06	11/23/23 04:13	1
d7-N-MeFOSE-M	81		10 - 150	11/21/23 12:06	11/23/23 04:13	1
d9-N-EtFOSE-M	84		10 - 150	11/21/23 12:06	11/23/23 04:13	1
M2-4:2 FTS	80		25 - 150	11/21/23 12:06	11/23/23 04:13	1
M2-8:2 FTS	159	*5+	25 - 150	11/21/23 12:06	11/23/23 04:13	1
13C3 HFPO-DA	101		25 - 150	11/21/23 12:06	11/23/23 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	730		25	13	ng/L		11/21/23 12:06	12/01/23 23:28	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	117		25 - 150	11/21/23 12:06	12/01/23 23:28	5

Client Sample ID: MP-04-(115-152)-202311

Lab Sample ID: 320-106878-27

Date Collected: 11/06/23 15:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	130		5.1	2.5	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluoroheptanoic acid (PFHpA)	170		2.0	0.26	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorononanoic acid (PFNA)	16		2.0	0.28	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorodecanoic acid (PFDA)	1.6	J	2.0	0.32	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.0	0.75	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorobutanesulfonic acid (PFBS)	0.25	J	2.0	0.20	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluoropentanesulfonic acid (PFPeS)	0.60	J	2.0	0.31	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0	0.58	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J I	2.0	0.19	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorooctanesulfonic acid (PFOS)	5.2		2.0	0.55	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		11/21/23 12:06	11/23/23 04:23	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		11/21/23 12:06	11/23/23 04:23	1
NEtFOSA	<0.89		2.0	0.89	ng/L		11/21/23 12:06	11/23/23 04:23	1
NMeFOSA	<0.44		2.0	0.44	ng/L		11/21/23 12:06	11/23/23 04:23	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		11/21/23 12:06	11/23/23 04:23	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		11/21/23 12:06	11/23/23 04:23	1
NMeFOSE	<1.4		4.1	1.4	ng/L		11/21/23 12:06	11/23/23 04:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(115-152)-202311

Lab Sample ID: 320-106878-27

Date Collected: 11/06/23 15:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.87		2.0	0.87	ng/L		11/21/23 12:06	11/23/23 04:23	1
4:2 FTS	44		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 04:23	1
8:2 FTS	220		2.0	0.47	ng/L		11/21/23 12:06	11/23/23 04:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		11/21/23 12:06	11/23/23 04:23	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		11/21/23 12:06	11/23/23 04:23	1
9CI-PF3ONS	<0.25		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 04:23	1
11CI-PF3OUdS	<0.33		2.0	0.33	ng/L		11/21/23 12:06	11/23/23 04:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	124		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C5 PFPeA	88		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C2 PFHxA	111		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C4 PFHpA	113		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C4 PFOA	102		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C5 PFNA	120		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C2 PFDA	115		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C2 PFUnA	111		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C2 PFDoA	99		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C2 PFTeDA	94		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C3 PFBS	109		25 - 150				11/21/23 12:06	11/23/23 04:23	1
18O2 PFHxS	127		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C4 PFOS	122		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C8 FOSA	125		10 - 150				11/21/23 12:06	11/23/23 04:23	1
d3-NMeFOSAA	101		25 - 150				11/21/23 12:06	11/23/23 04:23	1
d5-NEtFOSAA	108		25 - 150				11/21/23 12:06	11/23/23 04:23	1
d-N-MeFOSA-M	101		10 - 150				11/21/23 12:06	11/23/23 04:23	1
d-N-EtFOSA-M	89		10 - 150				11/21/23 12:06	11/23/23 04:23	1
d7-N-MeFOSE-M	91		10 - 150				11/21/23 12:06	11/23/23 04:23	1
d9-N-EtFOSE-M	88		10 - 150				11/21/23 12:06	11/23/23 04:23	1
M2-4:2 FTS	86		25 - 150				11/21/23 12:06	11/23/23 04:23	1
M2-6:2 FTS	84		25 - 150				11/21/23 12:06	11/23/23 04:23	1
M2-8:2 FTS	115		25 - 150				11/21/23 12:06	11/23/23 04:23	1
13C3 HFPO-DA	110		25 - 150				11/21/23 12:06	11/23/23 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	870		41	10	ng/L		11/21/23 12:06	12/01/23 23:48	20
Perfluorohexanoic acid (PFHxA)	570		41	12	ng/L		11/21/23 12:06	12/01/23 23:48	20
Perfluorooctanoic acid (PFOA)	260		41	17	ng/L		11/21/23 12:06	12/01/23 23:48	20
6:2 FTS	3800		100	51	ng/L		11/21/23 12:06	12/01/23 23:48	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	84		25 - 150				11/21/23 12:06	12/01/23 23:48	20
13C2 PFHxA	95		25 - 150				11/21/23 12:06	12/01/23 23:48	20
13C4 PFOA	104		25 - 150				11/21/23 12:06	12/01/23 23:48	20
M2-6:2 FTS	121		25 - 150				11/21/23 12:06	12/01/23 23:48	20

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(080-112)-202311

Lab Sample ID: 320-106878-28

Date Collected: 11/06/23 15:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	120		5.4	2.6	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluoroheptanoic acid (PFHpA)	140		2.1	0.27	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorooctanoic acid (PFOA)	150		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorononanoic acid (PFNA)	10		2.1	0.29	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorohexanesulfonic acid (PFHxS)	1.9 J		2.1	0.61	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorooctanesulfonic acid (PFOS)	2.3		2.1	0.58	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 04:54	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.1	1.1	ng/L		11/21/23 12:06	11/23/23 04:54	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/21/23 12:06	11/23/23 04:54	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/21/23 12:06	11/23/23 04:54	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/21/23 12:06	11/23/23 04:54	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/21/23 12:06	11/23/23 04:54	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/21/23 12:06	11/23/23 04:54	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/21/23 12:06	11/23/23 04:54	1
4:2 FTS	22		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 04:54	1
8:2 FTS	21		2.1	0.49	ng/L		11/21/23 12:06	11/23/23 04:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/21/23 12:06	11/23/23 04:54	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/21/23 12:06	11/23/23 04:54	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 04:54	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		11/21/23 12:06	11/23/23 04:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C4 PFHpA	86		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C4 PFOA	99		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C5 PFNA	100		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C2 PFDA	102		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C2 PFUnA	92		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C2 PFDoA	93		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C2 PFTeDA	91		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C3 PFBS	94		25 - 150	11/21/23 12:06	11/23/23 04:54	1
18O2 PFHxS	103		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C4 PFOS	108		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C8 FOSA	107		10 - 150	11/21/23 12:06	11/23/23 04:54	1
d3-NMeFOSAA	86		25 - 150	11/21/23 12:06	11/23/23 04:54	1
d5-NEtFOSAA	88		25 - 150	11/21/23 12:06	11/23/23 04:54	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(080-112)-202311

Lab Sample ID: 320-106878-28

Date Collected: 11/06/23 15:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	81		10 - 150	11/21/23 12:06	11/23/23 04:54	1
d-N-EtFOSA-M	74		10 - 150	11/21/23 12:06	11/23/23 04:54	1
d7-N-MeFOSE-M	83		10 - 150	11/21/23 12:06	11/23/23 04:54	1
d9-N-EtFOSE-M	79		10 - 150	11/21/23 12:06	11/23/23 04:54	1
M2-4:2 FTS	72		25 - 150	11/21/23 12:06	11/23/23 04:54	1
M2-8:2 FTS	108		25 - 150	11/21/23 12:06	11/23/23 04:54	1
13C3 HFPO-DA	97		25 - 150	11/21/23 12:06	11/23/23 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	650		21	5.3	ng/L		11/21/23 12:06	12/01/23 23:58	10
Perfluorohexanoic acid (PFHxA)	430		21	6.2	ng/L		11/21/23 12:06	12/01/23 23:58	10
6:2 FTS	1700		54	27	ng/L		11/21/23 12:06	12/01/23 23:58	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	93		25 - 150	11/21/23 12:06	12/01/23 23:58	10
13C2 PFHxA	102		25 - 150	11/21/23 12:06	12/01/23 23:58	10
M2-6:2 FTS	125		25 - 150	11/21/23 12:06	12/01/23 23:58	10

Client Sample ID: MP-04-(048-077)-202311

Lab Sample ID: 320-106878-29

Date Collected: 11/06/23 15:45

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.5		6.5	3.1	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluoropentanoic acid (PFPeA)	10		2.6	0.64	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorohexanoic acid (PFHxA)	5.2		2.6	0.75	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluoroheptanoic acid (PFHpA)	<0.32		2.6	0.32	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorooctanoic acid (PFOA)	<1.1		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorononanoic acid (PFNA)	<0.35		2.6	0.35	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorododecanoic acid (PFDoA)	<0.71		2.6	0.71	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.6	1.7	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.95		2.6	0.95	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorobutanesulfonic acid (PFBS)	<0.26		2.6	0.26	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.6	0.39	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorohexanesulfonic acid (PFHxS)	<0.74		2.6	0.74	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.25		2.6	0.25	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorooctanesulfonic acid (PFOS)	<0.70		2.6	0.70	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorononanesulfonic acid (PFNS)	<0.48		2.6	0.48	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.42		2.6	0.42	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.6	1.3	ng/L		11/21/23 12:06	11/23/23 05:05	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		11/21/23 12:06	11/23/23 05:05	1
NEtFOSA	<1.1		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 05:05	1
NMeFOSA	<0.56		2.6	0.56	ng/L		11/21/23 12:06	11/23/23 05:05	1
NMeFOSAA	<1.6		6.5	1.6	ng/L		11/21/23 12:06	11/23/23 05:05	1
NEtFOSAA	<1.7		6.5	1.7	ng/L		11/21/23 12:06	11/23/23 05:05	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(048-077)-202311

Lab Sample ID: 320-106878-29

Date Collected: 11/06/23 15:45

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.8		5.2	1.8	ng/L		11/21/23 12:06	11/23/23 05:05	1
NEtFOSE	<1.1		2.6	1.1	ng/L		11/21/23 12:06	11/23/23 05:05	1
4:2 FTS	<0.31		2.6	0.31	ng/L		11/21/23 12:06	11/23/23 05:05	1
6:2 FTS	<3.2		6.5	3.2	ng/L		11/21/23 12:06	11/23/23 05:05	1
8:2 FTS	<0.60		2.6	0.60	ng/L		11/21/23 12:06	11/23/23 05:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.52		2.6	0.52	ng/L		11/21/23 12:06	11/23/23 05:05	1
HFPO-DA (GenX)	<1.9		5.2	1.9	ng/L		11/21/23 12:06	11/23/23 05:05	1
9CI-PF3ONS	<0.31		2.6	0.31	ng/L		11/21/23 12:06	11/23/23 05:05	1
11CI-PF3OUdS	<0.42		2.6	0.42	ng/L		11/21/23 12:06	11/23/23 05:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C5 PFPeA	96		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C2 PFHxA	107		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C4 PFHpA	96		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C4 PFOA	111		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C5 PFNA	99		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C2 PFDA	95		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C2 PFUnA	94		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C2 PFDoA	97		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C2 PFTeDA	86		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C3 PFBS	101		25 - 150				11/21/23 12:06	11/23/23 05:05	1
18O2 PFHxS	105		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C4 PFOS	107		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C8 FOSA	107		10 - 150				11/21/23 12:06	11/23/23 05:05	1
d3-NMeFOSAA	86		25 - 150				11/21/23 12:06	11/23/23 05:05	1
d5-NEtFOSAA	91		25 - 150				11/21/23 12:06	11/23/23 05:05	1
d-N-MeFOSA-M	88		10 - 150				11/21/23 12:06	11/23/23 05:05	1
d-N-EtFOSA-M	85		10 - 150				11/21/23 12:06	11/23/23 05:05	1
d7-N-MeFOSE-M	82		10 - 150				11/21/23 12:06	11/23/23 05:05	1
d9-N-EtFOSE-M	86		10 - 150				11/21/23 12:06	11/23/23 05:05	1
M2-4:2 FTS	78		25 - 150				11/21/23 12:06	11/23/23 05:05	1
M2-6:2 FTS	83		25 - 150				11/21/23 12:06	11/23/23 05:05	1
M2-8:2 FTS	142		25 - 150				11/21/23 12:06	11/23/23 05:05	1
13C3 HFPO-DA	94		25 - 150				11/21/23 12:06	11/23/23 05:05	1

Client Sample ID: MP-05-(SWL-065)-202311

Lab Sample ID: 320-106878-30

Date Collected: 11/06/23 13:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16		5.2	2.5	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluoropentanoic acid (PFPeA)	29		2.1	0.51	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorohexanoic acid (PFHxA)	19		2.1	0.60	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluoroheptanoic acid (PFHpA)	17		2.1	0.26	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorooctanoic acid (PFOA)	3.5		2.1	0.88	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		11/21/23 12:06	11/23/23 05:15	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-05-(SWL-065)-202311

Lab Sample ID: 320-106878-30

Date Collected: 11/06/23 13:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorobutanesulfonic acid (PFBS)	0.49	J	2.1	0.21	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 05:15	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/21/23 12:06	11/23/23 05:15	1
NEtFOSA	<0.90		2.1	0.90	ng/L		11/21/23 12:06	11/23/23 05:15	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/21/23 12:06	11/23/23 05:15	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		11/21/23 12:06	11/23/23 05:15	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		11/21/23 12:06	11/23/23 05:15	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/21/23 12:06	11/23/23 05:15	1
NEtFOSE	<0.88		2.1	0.88	ng/L		11/21/23 12:06	11/23/23 05:15	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 05:15	1
6:2 FTS	<2.6		5.2	2.6	ng/L		11/21/23 12:06	11/23/23 05:15	1
8:2 FTS	<0.48		2.1	0.48	ng/L		11/21/23 12:06	11/23/23 05:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/21/23 12:06	11/23/23 05:15	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/21/23 12:06	11/23/23 05:15	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		11/21/23 12:06	11/23/23 05:15	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		11/21/23 12:06	11/23/23 05:15	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	112		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C5 PFPeA	97		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C2 PFHxA	104		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C4 PFHpA	102		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C4 PFOA	107		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C5 PFNA	105		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C2 PFDA	109		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C2 PFUnA	86		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C2 PFDoA	65		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C2 PFTeDA	59		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C3 PFBS	97		25 - 150				11/21/23 12:06	11/23/23 05:15	1
18O2 PFHxS	110		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C4 PFOS	109		25 - 150				11/21/23 12:06	11/23/23 05:15	1
13C8 FOSA	113		10 - 150				11/21/23 12:06	11/23/23 05:15	1
d3-NMeFOSAA	81		25 - 150				11/21/23 12:06	11/23/23 05:15	1
d5-NEtFOSAA	78		25 - 150				11/21/23 12:06	11/23/23 05:15	1
d-N-MeFOSA-M	75		10 - 150				11/21/23 12:06	11/23/23 05:15	1
d-N-EtFOSA-M	63		10 - 150				11/21/23 12:06	11/23/23 05:15	1
d7-N-MeFOSE-M	59		10 - 150				11/21/23 12:06	11/23/23 05:15	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-05-(SWL-065)-202311

Lab Sample ID: 320-106878-30

Date Collected: 11/06/23 13:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	55		10 - 150	11/21/23 12:06	11/23/23 05:15	1
M2-4:2 FTS	83		25 - 150	11/21/23 12:06	11/23/23 05:15	1
M2-6:2 FTS	92		25 - 150	11/21/23 12:06	11/23/23 05:15	1
M2-8:2 FTS	94		25 - 150	11/21/23 12:06	11/23/23 05:15	1
13C3 HFPO-DA	100		25 - 150	11/21/23 12:06	11/23/23 05:15	1

Client Sample ID: MP-06-(148-178)-202311

Lab Sample ID: 320-106878-31

Date Collected: 11/07/23 08:25

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluoropentanoic acid (PFPeA)	2.4		2.2	0.53	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorohexanoic acid (PFHxA)	1.5 J		2.2	0.63	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluoroheptanoic acid (PFHpA)	0.49 J		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorooctanoic acid (PFOA)	1.5 J I		2.2	0.92	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorodecanoic acid (PFDA)	<0.33		2.2	0.33	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.2	0.61	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		11/22/23 14:58	12/02/23 16:18	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 16:18	1
NEtFOSA	<0.94		2.2	0.94	ng/L		11/22/23 14:58	12/02/23 16:18	1
NMeFOSA	<0.46		2.2	0.46	ng/L		11/22/23 14:58	12/02/23 16:18	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 14:58	12/02/23 16:18	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 14:58	12/02/23 16:18	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/22/23 14:58	12/02/23 16:18	1
NEtFOSE	<0.92		2.2	0.92	ng/L		11/22/23 14:58	12/02/23 16:18	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:18	1
6:2 FTS	8.5		5.4	2.7	ng/L		11/22/23 14:58	12/02/23 16:18	1
8:2 FTS	<0.50		2.2	0.50	ng/L		11/22/23 14:58	12/02/23 16:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		11/22/23 14:58	12/02/23 16:18	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/22/23 14:58	12/02/23 16:18	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:18	1
11CI-PF3OUdS	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 16:18	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	80		25 - 150	11/22/23 14:58	12/02/23 16:18	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(148-178)-202311

Lab Sample ID: 320-106878-31

Date Collected: 11/07/23 08:25

Matrix: Water

Date Received: 11/09/23 09:45

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	57		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C2 PFHxA	85		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C4 PFHpA	82		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C4 PFOA	75		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C5 PFNA	78		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C2 PFDA	82		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C2 PFUnA	79		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C2 PFDoA	65		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C2 PFTeDA	55		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C3 PFBS	66		25 - 150	11/22/23 14:58	12/02/23 16:18	1
18O2 PFHxS	68		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C4 PFOS	70		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C8 FOSA	73		10 - 150	11/22/23 14:58	12/02/23 16:18	1
d3-NMeFOSAA	76		25 - 150	11/22/23 14:58	12/02/23 16:18	1
d5-NEtFOSAA	64		25 - 150	11/22/23 14:58	12/02/23 16:18	1
d-N-MeFOSA-M	64		10 - 150	11/22/23 14:58	12/02/23 16:18	1
d-N-EtFOSA-M	57		10 - 150	11/22/23 14:58	12/02/23 16:18	1
d7-N-MeFOSE-M	51		10 - 150	11/22/23 14:58	12/02/23 16:18	1
d9-N-EtFOSE-M	50		10 - 150	11/22/23 14:58	12/02/23 16:18	1
M2-4:2 FTS	86		25 - 150	11/22/23 14:58	12/02/23 16:18	1
M2-6:2 FTS	72		25 - 150	11/22/23 14:58	12/02/23 16:18	1
M2-8:2 FTS	77		25 - 150	11/22/23 14:58	12/02/23 16:18	1
13C3 HFPO-DA	76		25 - 150	11/22/23 14:58	12/02/23 16:18	1

Client Sample ID: MP-06-(113-145)-202311

Lab Sample ID: 320-106878-32

Date Collected: 11/07/23 08:44

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorotridecanoic acid (PFTeDA)	<1.4		2.2	1.4	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 16:29	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(113-145)-202311

Lab Sample ID: 320-106878-32

Date Collected: 11/07/23 08:44

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 16:29	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 16:29	1
NEtFOSA	<0.95		2.2	0.95	ng/L		11/22/23 14:58	12/02/23 16:29	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/22/23 14:58	12/02/23 16:29	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 14:58	12/02/23 16:29	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 14:58	12/02/23 16:29	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/22/23 14:58	12/02/23 16:29	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/22/23 14:58	12/02/23 16:29	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:29	1
6:2 FTS	<2.7		5.4	2.7	ng/L		11/22/23 14:58	12/02/23 16:29	1
8:2 FTS	<0.50		2.2	0.50	ng/L		11/22/23 14:58	12/02/23 16:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/22/23 14:58	12/02/23 16:29	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/22/23 14:58	12/02/23 16:29	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:29	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 16:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C5 PFPeA	58		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C2 PFHxA	84		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C4 PFHpA	79		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C4 PFOA	76		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C5 PFNA	76		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C2 PFDA	80		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C2 PFUnA	77		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C2 PFDoA	70		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C2 PFTeDA	57		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C3 PFBS	73		25 - 150	11/22/23 14:58	12/02/23 16:29	1
18O2 PFHxS	76		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C4 PFOS	73		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C8 FOSA	72		10 - 150	11/22/23 14:58	12/02/23 16:29	1
d3-NMeFOSAA	77		25 - 150	11/22/23 14:58	12/02/23 16:29	1
d5-NEtFOSAA	74		25 - 150	11/22/23 14:58	12/02/23 16:29	1
d-N-MeFOSA-M	63		10 - 150	11/22/23 14:58	12/02/23 16:29	1
d-N-EtFOSA-M	60		10 - 150	11/22/23 14:58	12/02/23 16:29	1
d7-N-MeFOSE-M	51		10 - 150	11/22/23 14:58	12/02/23 16:29	1
d9-N-EtFOSE-M	52		10 - 150	11/22/23 14:58	12/02/23 16:29	1
M2-4:2 FTS	79		25 - 150	11/22/23 14:58	12/02/23 16:29	1
M2-6:2 FTS	73		25 - 150	11/22/23 14:58	12/02/23 16:29	1
M2-8:2 FTS	83		25 - 150	11/22/23 14:58	12/02/23 16:29	1
13C3 HFPO-DA	81		25 - 150	11/22/23 14:58	12/02/23 16:29	1

Client Sample ID: MP-06-(073-110)-202311

Lab Sample ID: 320-106878-33

Date Collected: 11/07/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		11/22/23 14:58	12/02/23 16:40	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(073-110)-202311

Lab Sample ID: 320-106878-33

Date Collected: 11/07/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.86	J	2.1	0.52	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluoroheptanoic acid (PFHpA)	0.30	J	2.1	0.26	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 16:40	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 16:40	1
NEtFOSA	<0.92		2.1	0.92	ng/L		11/22/23 14:58	12/02/23 16:40	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/22/23 14:58	12/02/23 16:40	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/22/23 14:58	12/02/23 16:40	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/22/23 14:58	12/02/23 16:40	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/22/23 14:58	12/02/23 16:40	1
NEtFOSE	<0.90		2.1	0.90	ng/L		11/22/23 14:58	12/02/23 16:40	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/22/23 14:58	12/02/23 16:40	1
6:2 FTS	<2.6		5.3	2.6	ng/L		11/22/23 14:58	12/02/23 16:40	1
8:2 FTS	<0.49		2.1	0.49	ng/L		11/22/23 14:58	12/02/23 16:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/22/23 14:58	12/02/23 16:40	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/22/23 14:58	12/02/23 16:40	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		11/22/23 14:58	12/02/23 16:40	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 16:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C5 PFPeA	76		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C2 PFHxA	113		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C4 PFHpA	110		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C4 PFOA	109		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C5 PFNA	118		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C2 PFDA	125		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C2 PFUnA	123		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C2 PFDoA	108		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C2 PFTeDA	94		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C3 PFBS	94		25 - 150				11/22/23 14:58	12/02/23 16:40	1
18O2 PFHxS	111		25 - 150				11/22/23 14:58	12/02/23 16:40	1
13C4 PFOS	114		25 - 150				11/22/23 14:58	12/02/23 16:40	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(073-110)-202311

Lab Sample ID: 320-106878-33

Date Collected: 11/07/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	107		10 - 150	11/22/23 14:58	12/02/23 16:40	1
d3-NMeFOSAA	101		25 - 150	11/22/23 14:58	12/02/23 16:40	1
d5-NEtFOSAA	95		25 - 150	11/22/23 14:58	12/02/23 16:40	1
d-N-MeFOSA-M	94		10 - 150	11/22/23 14:58	12/02/23 16:40	1
d-N-EtFOSA-M	86		10 - 150	11/22/23 14:58	12/02/23 16:40	1
d7-N-MeFOSE-M	86		10 - 150	11/22/23 14:58	12/02/23 16:40	1
d9-N-EtFOSE-M	86		10 - 150	11/22/23 14:58	12/02/23 16:40	1
M2-4:2 FTS	114		25 - 150	11/22/23 14:58	12/02/23 16:40	1
M2-6:2 FTS	98		25 - 150	11/22/23 14:58	12/02/23 16:40	1
M2-8:2 FTS	121		25 - 150	11/22/23 14:58	12/02/23 16:40	1
13C3 HFPO-DA	109		25 - 150	11/22/23 14:58	12/02/23 16:40	1

Client Sample ID: MP-06-(036-070)-202311

Lab Sample ID: 320-106878-34

Date Collected: 11/07/23 09:35

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.2	J	5.4	2.6	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluoropentanoic acid (PFPeA)	12		2.2	0.53	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorohexanoic acid (PFHxA)	7.2		2.2	0.63	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluoroheptanoic acid (PFHpA)	6.8		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorooctanoic acid (PFOA)	8.6		2.2	0.93	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorononanoic acid (PFNA)	0.66	J	2.2	0.29	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorobutanesulfonic acid (PFBS)	0.73	J	2.2	0.22	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 16:51	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 16:51	1
NEtFOSA	<0.95		2.2	0.95	ng/L		11/22/23 14:58	12/02/23 16:51	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/22/23 14:58	12/02/23 16:51	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 14:58	12/02/23 16:51	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 14:58	12/02/23 16:51	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/22/23 14:58	12/02/23 16:51	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/22/23 14:58	12/02/23 16:51	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:51	1
6:2 FTS	<2.7		5.4	2.7	ng/L		11/22/23 14:58	12/02/23 16:51	1
8:2 FTS	<0.50		2.2	0.50	ng/L		11/22/23 14:58	12/02/23 16:51	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(036-070)-202311

Lab Sample ID: 320-106878-34

Date Collected: 11/07/23 09:35

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/22/23 14:58	12/02/23 16:51	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/22/23 14:58	12/02/23 16:51	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 16:51	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 16:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C5 PFPeA	67		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C2 PFHxA	100		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C4 PFHpA	101		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C4 PFOA	101		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C5 PFNA	103		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C2 PFDA	105		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C2 PFUnA	104		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C2 PFDoA	100		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C2 PFTeDA	89		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C3 PFBS	86		25 - 150				11/22/23 14:58	12/02/23 16:51	1
18O2 PFHxS	97		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C4 PFOS	96		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C8 FOSA	91		10 - 150				11/22/23 14:58	12/02/23 16:51	1
d3-NMeFOSAA	89		25 - 150				11/22/23 14:58	12/02/23 16:51	1
d5-NEtFOSAA	88		25 - 150				11/22/23 14:58	12/02/23 16:51	1
d-N-MeFOSA-M	79		10 - 150				11/22/23 14:58	12/02/23 16:51	1
d-N-EtFOSA-M	74		10 - 150				11/22/23 14:58	12/02/23 16:51	1
d7-N-MeFOSE-M	73		10 - 150				11/22/23 14:58	12/02/23 16:51	1
d9-N-EtFOSE-M	77		10 - 150				11/22/23 14:58	12/02/23 16:51	1
M2-4:2 FTS	98		25 - 150				11/22/23 14:58	12/02/23 16:51	1
M2-6:2 FTS	76		25 - 150				11/22/23 14:58	12/02/23 16:51	1
M2-8:2 FTS	92		25 - 150				11/22/23 14:58	12/02/23 16:51	1
13C3 HFPO-DA	97		25 - 150				11/22/23 14:58	12/02/23 16:51	1

Client Sample ID: MP-06-(021-033)-202311

Lab Sample ID: 320-106878-35

Date Collected: 11/07/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	160		6.5	3.1	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorohexanoic acid (PFHxA)	480		2.6	0.76	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluoroheptanoic acid (PFHpA)	340		2.6	0.33	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorooctanoic acid (PFOA)	260		2.6	1.1	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorononanoic acid (PFNA)	8.4		2.6	0.35	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorodecanoic acid (PFDA)	0.66	J	2.6	0.40	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorododecanoic acid (PFDoA)	<0.72		2.6	0.72	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.6	1.7	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.95		2.6	0.95	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J	2.6	0.26	ng/L		11/22/23 14:58	12/02/23 17:03	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(021-033)-202311

Lab Sample ID: 320-106878-35

Date Collected: 11/07/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.6	0.39	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.74		2.6	0.74	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.25		2.6	0.25	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.70		2.6	0.70	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorononanesulfonic acid (PFNS)	<0.48		2.6	0.48	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.42		2.6	0.42	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.6	1.3	ng/L		11/22/23 14:58	12/02/23 17:03	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		11/22/23 14:58	12/02/23 17:03	1
NEtFOSA	<1.1		2.6	1.1	ng/L		11/22/23 14:58	12/02/23 17:03	1
NMeFOSA	<0.56		2.6	0.56	ng/L		11/22/23 14:58	12/02/23 17:03	1
NMeFOSAA	<1.6		6.5	1.6	ng/L		11/22/23 14:58	12/02/23 17:03	1
NEtFOSAA	<1.7		6.5	1.7	ng/L		11/22/23 14:58	12/02/23 17:03	1
NMeFOSE	<1.8		5.2	1.8	ng/L		11/22/23 14:58	12/02/23 17:03	1
NEtFOSE	<1.1		2.6	1.1	ng/L		11/22/23 14:58	12/02/23 17:03	1
4:2 FTS	<0.31		2.6	0.31	ng/L		11/22/23 14:58	12/02/23 17:03	1
6:2 FTS	<3.3		6.5	3.3	ng/L		11/22/23 14:58	12/02/23 17:03	1
8:2 FTS	1.4 J		2.6	0.60	ng/L		11/22/23 14:58	12/02/23 17:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.52		2.6	0.52	ng/L		11/22/23 14:58	12/02/23 17:03	1
HFPO-DA (GenX)	<2.0		5.2	2.0	ng/L		11/22/23 14:58	12/02/23 17:03	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		11/22/23 14:58	12/02/23 17:03	1
11Cl-PF3OUdS	<0.42		2.6	0.42	ng/L		11/22/23 14:58	12/02/23 17:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	63		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C2 PFHxA	69		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C4 PFHpA	73		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C4 PFOA	76		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C5 PFNA	75		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C2 PFDA	77		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C2 PFUnA	75		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C2 PFDoA	64		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C2 PFTeDA	58		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C3 PFBS	62		25 - 150	11/22/23 14:58	12/02/23 17:03	1
18O2 PFHxS	65		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C4 PFOS	70		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C8 FOSA	69		10 - 150	11/22/23 14:58	12/02/23 17:03	1
d3-NMeFOSAA	64		25 - 150	11/22/23 14:58	12/02/23 17:03	1
d5-NEtFOSAA	68		25 - 150	11/22/23 14:58	12/02/23 17:03	1
d-N-MeFOSA-M	53		10 - 150	11/22/23 14:58	12/02/23 17:03	1
d-N-EtFOSA-M	50		10 - 150	11/22/23 14:58	12/02/23 17:03	1
d7-N-MeFOSE-M	50		10 - 150	11/22/23 14:58	12/02/23 17:03	1
d9-N-EtFOSE-M	47		10 - 150	11/22/23 14:58	12/02/23 17:03	1
M2-4:2 FTS	66		25 - 150	11/22/23 14:58	12/02/23 17:03	1
M2-6:2 FTS	67		25 - 150	11/22/23 14:58	12/02/23 17:03	1
M2-8:2 FTS	69		25 - 150	11/22/23 14:58	12/02/23 17:03	1
13C3 HFPO-DA	73		25 - 150	11/22/23 14:58	12/02/23 17:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(021-033)-202311

Lab Sample ID: 320-106878-35

Date Collected: 11/07/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	750		13	3.2	ng/L		11/22/23 14:58	12/05/23 00:56	5
Isotope Dilution							Prepared	Analyzed	Dil Fac
<i>13C5 PFPeA</i>	<i>51</i>	<i>Qualifier</i>	<i>Limits</i>				<i>11/22/23 14:58</i>	<i>12/05/23 00:56</i>	<i>5</i>

Client Sample ID: MP-07-(220-258)-202311

Lab Sample ID: 320-106878-36

Date Collected: 11/06/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.9		6.1	2.9	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluoropentanoic acid (PFPeA)	<0.59		2.4	0.59	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorohexanoic acid (PFHxA)	<0.70		2.4	0.70	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluoroheptanoic acid (PFHpA)	<0.30		2.4	0.30	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorononanoic acid (PFNA)	<0.33		2.4	0.33	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorodecanoic acid (PFDA)	<0.38		2.4	0.38	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorododecanoic acid (PFDoA)	<0.67		2.4	0.67	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.89		2.4	0.89	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.69		2.4	0.69	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.66		2.4	0.66	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		11/22/23 14:58	12/02/23 17:14	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		11/22/23 14:58	12/02/23 17:14	1
NEtFOSA	<1.1		2.4	1.1	ng/L		11/22/23 14:58	12/02/23 17:14	1
NMeFOSA	<0.52		2.4	0.52	ng/L		11/22/23 14:58	12/02/23 17:14	1
NMeFOSAA	<1.5		6.1	1.5	ng/L		11/22/23 14:58	12/02/23 17:14	1
NEtFOSAA	<1.6		6.1	1.6	ng/L		11/22/23 14:58	12/02/23 17:14	1
NMeFOSE	<1.7		4.9	1.7	ng/L		11/22/23 14:58	12/02/23 17:14	1
NEtFOSE	<1.0		2.4	1.0	ng/L		11/22/23 14:58	12/02/23 17:14	1
4:2 FTS	<0.29		2.4	0.29	ng/L		11/22/23 14:58	12/02/23 17:14	1
6:2 FTS	<3.0		6.1	3.0	ng/L		11/22/23 14:58	12/02/23 17:14	1
8:2 FTS	<0.56		2.4	0.56	ng/L		11/22/23 14:58	12/02/23 17:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.4	0.49	ng/L		11/22/23 14:58	12/02/23 17:14	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		11/22/23 14:58	12/02/23 17:14	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		11/22/23 14:58	12/02/23 17:14	1
11Cl-PF3OUdS	<0.39		2.4	0.39	ng/L		11/22/23 14:58	12/02/23 17:14	1
Isotope Dilution							Prepared	Analyzed	Dil Fac
<i>13C4 PFBA</i>	<i>72</i>	<i>Qualifier</i>	<i>Limits</i>				<i>11/22/23 14:58</i>	<i>12/02/23 17:14</i>	<i>1</i>
<i>13C5 PFPeA</i>	<i>55</i>		<i>25 - 150</i>				<i>11/22/23 14:58</i>	<i>12/02/23 17:14</i>	<i>1</i>

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(220-258)-202311

Lab Sample ID: 320-106878-36

Date Collected: 11/06/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	77		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C4 PFHpA	77		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C4 PFOA	71		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C5 PFNA	74		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C2 PFDA	71		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C2 PFUnA	70		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C2 PFDaA	67		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C2 PFTeDA	56		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C3 PFBS	63		25 - 150	11/22/23 14:58	12/02/23 17:14	1
18O2 PFHxS	64		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C4 PFOS	64		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C8 FOSA	69		10 - 150	11/22/23 14:58	12/02/23 17:14	1
d3-NMeFOSAA	68		25 - 150	11/22/23 14:58	12/02/23 17:14	1
d5-NEtFOSAA	60		25 - 150	11/22/23 14:58	12/02/23 17:14	1
d-N-MeFOSA-M	61		10 - 150	11/22/23 14:58	12/02/23 17:14	1
d-N-EtFOSA-M	56		10 - 150	11/22/23 14:58	12/02/23 17:14	1
d7-N-MeFOSE-M	50		10 - 150	11/22/23 14:58	12/02/23 17:14	1
d9-N-EtFOSE-M	47		10 - 150	11/22/23 14:58	12/02/23 17:14	1
M2-4:2 FTS	71		25 - 150	11/22/23 14:58	12/02/23 17:14	1
M2-6:2 FTS	62		25 - 150	11/22/23 14:58	12/02/23 17:14	1
M2-8:2 FTS	70		25 - 150	11/22/23 14:58	12/02/23 17:14	1
13C3 HFPO-DA	73		25 - 150	11/22/23 14:58	12/02/23 17:14	1

Client Sample ID: MP-07-(195-217)-202311

Lab Sample ID: 320-106878-37

Date Collected: 11/06/23 11:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.1	2.5	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluoropentanoic acid (PFPeA)	<0.50		2.1	0.50	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorooctanoic acid (PFOA)	<0.87		2.1	0.87	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorododecanoic acid (PFDaA)	<0.57		2.1	0.57	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorotridecanoic acid (PFTeDA)	<1.3		2.1	1.3	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		11/22/23 14:58	12/02/23 17:48	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 17:48	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(195-217)-202311

Lab Sample ID: 320-106878-37

Date Collected: 11/06/23 11:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 17:48	1
NEtFOSA	<0.89		2.1	0.89	ng/L		11/22/23 14:58	12/02/23 17:48	1
NMeFOSA	<0.44		2.1	0.44	ng/L		11/22/23 14:58	12/02/23 17:48	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		11/22/23 14:58	12/02/23 17:48	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		11/22/23 14:58	12/02/23 17:48	1
NMeFOSE	<1.4		4.1	1.4	ng/L		11/22/23 14:58	12/02/23 17:48	1
NEtFOSE	<0.87		2.1	0.87	ng/L		11/22/23 14:58	12/02/23 17:48	1
4:2 FTS	<0.25		2.1	0.25	ng/L		11/22/23 14:58	12/02/23 17:48	1
6:2 FTS	<2.6		5.1	2.6	ng/L		11/22/23 14:58	12/02/23 17:48	1
8:2 FTS	<0.47		2.1	0.47	ng/L		11/22/23 14:58	12/02/23 17:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		11/22/23 14:58	12/02/23 17:48	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		11/22/23 14:58	12/02/23 17:48	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		11/22/23 14:58	12/02/23 17:48	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		11/22/23 14:58	12/02/23 17:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C5 PFPeA	67		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C2 PFHxA	105		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C4 PFHpA	104		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C4 PFOA	104		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C5 PFNA	106		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C2 PFDA	121		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C2 PFUnA	115		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C2 PFDoA	104		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C2 PFTeDA	90		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C3 PFBS	90		25 - 150				11/22/23 14:58	12/02/23 17:48	1
18O2 PFHxS	102		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C4 PFOS	104		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C8 FOSA	100		10 - 150				11/22/23 14:58	12/02/23 17:48	1
d3-NMeFOSAA	94		25 - 150				11/22/23 14:58	12/02/23 17:48	1
d5-NEtFOSAA	101		25 - 150				11/22/23 14:58	12/02/23 17:48	1
d-N-MeFOSA-M	87		10 - 150				11/22/23 14:58	12/02/23 17:48	1
d-N-EtFOSA-M	83		10 - 150				11/22/23 14:58	12/02/23 17:48	1
d7-N-MeFOSE-M	84		10 - 150				11/22/23 14:58	12/02/23 17:48	1
d9-N-EtFOSE-M	79		10 - 150				11/22/23 14:58	12/02/23 17:48	1
M2-4:2 FTS	94		25 - 150				11/22/23 14:58	12/02/23 17:48	1
M2-6:2 FTS	89		25 - 150				11/22/23 14:58	12/02/23 17:48	1
M2-8:2 FTS	98		25 - 150				11/22/23 14:58	12/02/23 17:48	1
13C3 HFPO-DA	100		25 - 150				11/22/23 14:58	12/02/23 17:48	1

Client Sample ID: MP-07-(155-192)-202311

Lab Sample ID: 320-106878-38

Date Collected: 11/06/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.0	J	5.3	2.5	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluoropentanoic acid (PFPeA)	13		2.1	0.52	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorohexanoic acid (PFHxA)	8.2		2.1	0.61	ng/L		11/22/23 14:58	12/02/23 17:59	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(155-192)-202311

Lab Sample ID: 320-106878-38

Date Collected: 11/06/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	2.9		2.1	0.26	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorooctanoic acid (PFOA)	3.2		2.1	0.89	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 17:59	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 17:59	1
NEtFOSA	<0.91		2.1	0.91	ng/L		11/22/23 14:58	12/02/23 17:59	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/22/23 14:58	12/02/23 17:59	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/22/23 14:58	12/02/23 17:59	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/22/23 14:58	12/02/23 17:59	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/22/23 14:58	12/02/23 17:59	1
NEtFOSE	<0.89		2.1	0.89	ng/L		11/22/23 14:58	12/02/23 17:59	1
4:2 FTS	0.27	J	2.1	0.25	ng/L		11/22/23 14:58	12/02/23 17:59	1
6:2 FTS	41		5.3	2.6	ng/L		11/22/23 14:58	12/02/23 17:59	1
8:2 FTS	1.6	J	2.1	0.48	ng/L		11/22/23 14:58	12/02/23 17:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/22/23 14:58	12/02/23 17:59	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/22/23 14:58	12/02/23 17:59	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		11/22/23 14:58	12/02/23 17:59	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 17:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C5 PFPeA	73		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C2 PFHxA	113		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C4 PFHpA	118		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C4 PFOA	116		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C5 PFNA	116		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C2 PFDA	137		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C2 PFUnA	133		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C2 PFDoA	127		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C2 PFTeDA	112		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C3 PFBS	93		25 - 150	11/22/23 14:58	12/02/23 17:59	1
18O2 PFHxS	113		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C4 PFOS	120		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C8 FOSA	114		10 - 150	11/22/23 14:58	12/02/23 17:59	1
d3-NMeFOSAA	109		25 - 150	11/22/23 14:58	12/02/23 17:59	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(155-192)-202311

Lab Sample ID: 320-106878-38

Date Collected: 11/06/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	103		25 - 150	11/22/23 14:58	12/02/23 17:59	1
d-N-MeFOSA-M	96		10 - 150	11/22/23 14:58	12/02/23 17:59	1
d-N-EtFOSA-M	93		10 - 150	11/22/23 14:58	12/02/23 17:59	1
d7-N-MeFOSE-M	101		10 - 150	11/22/23 14:58	12/02/23 17:59	1
d9-N-EtFOSE-M	98		10 - 150	11/22/23 14:58	12/02/23 17:59	1
M2-4:2 FTS	101		25 - 150	11/22/23 14:58	12/02/23 17:59	1
M2-6:2 FTS	100		25 - 150	11/22/23 14:58	12/02/23 17:59	1
M2-8:2 FTS	122		25 - 150	11/22/23 14:58	12/02/23 17:59	1
13C3 HFPO-DA	111		25 - 150	11/22/23 14:58	12/02/23 17:59	1

Client Sample ID: MP-07-(115-152)-202311

Lab Sample ID: 320-106878-39

Date Collected: 11/06/23 11:45

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	44		5.7	2.7	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluoropentanoic acid (PFPeA)	260		2.3	0.56	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorohexanoic acid (PFHxA)	170		2.3	0.66	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluoroheptanoic acid (PFHpA)	43		2.3	0.28	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorooctanoic acid (PFOA)	46		2.3	0.96	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorononanoic acid (PFNA)	2.4		2.3	0.31	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorobutanesulfonic acid (PFBS)	0.28 J		2.3	0.23	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorohexanesulfonic acid (PFHxS)	1.3 J		2.3	0.65	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorooctanesulfonic acid (PFOS)	0.94 J		2.3	0.61	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		12/01/23 07:11	12/04/23 17:59	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		12/01/23 07:11	12/04/23 17:59	1
NEtFOSA	<0.99		2.3	0.99	ng/L		12/01/23 07:11	12/04/23 17:59	1
NMeFOSA	<0.49		2.3	0.49	ng/L		12/01/23 07:11	12/04/23 17:59	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		12/01/23 07:11	12/04/23 17:59	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		12/01/23 07:11	12/04/23 17:59	1
NMeFOSE	<1.6		4.5	1.6	ng/L		12/01/23 07:11	12/04/23 17:59	1
NEtFOSE	<0.96		2.3	0.96	ng/L		12/01/23 07:11	12/04/23 17:59	1
4:2 FTS	7.0		2.3	0.27	ng/L		12/01/23 07:11	12/04/23 17:59	1
8:2 FTS	21		2.3	0.52	ng/L		12/01/23 07:11	12/04/23 17:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		12/01/23 07:11	12/04/23 17:59	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(115-152)-202311

Lab Sample ID: 320-106878-39

Date Collected: 11/06/23 11:45

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		12/01/23 07:11	12/04/23 17:59	1
9CI-PF3ONS	<0.27		2.3	0.27	ng/L		12/01/23 07:11	12/04/23 17:59	1
11CI-PF3OUdS	<0.36		2.3	0.36	ng/L		12/01/23 07:11	12/04/23 17:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C5 PFPeA	53		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C2 PFHxA	102		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C4 PFHpA	101		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C4 PFOA	97		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C5 PFNA	99		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C2 PFDA	107		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C2 PFUnA	91		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C2 PFDoA	97		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C2 PFTeDA	88		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C3 PFBS	77		25 - 150				12/01/23 07:11	12/04/23 17:59	1
18O2 PFHxS	90		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C4 PFOS	99		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C8 FOSA	93		10 - 150				12/01/23 07:11	12/04/23 17:59	1
d3-NMeFOSAA	83		25 - 150				12/01/23 07:11	12/04/23 17:59	1
d5-NEtFOSAA	74		25 - 150				12/01/23 07:11	12/04/23 17:59	1
d-N-MeFOSA-M	74		10 - 150				12/01/23 07:11	12/04/23 17:59	1
d-N-EtFOSA-M	69		10 - 150				12/01/23 07:11	12/04/23 17:59	1
d7-N-MeFOSE-M	79		10 - 150				12/01/23 07:11	12/04/23 17:59	1
d9-N-EtFOSE-M	75		10 - 150				12/01/23 07:11	12/04/23 17:59	1
M2-4:2 FTS	88		25 - 150				12/01/23 07:11	12/04/23 17:59	1
M2-8:2 FTS	102		25 - 150				12/01/23 07:11	12/04/23 17:59	1
13C3 HFPO-DA	99		25 - 150				12/01/23 07:11	12/04/23 17:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	950		57	28	ng/L		12/01/23 07:11	12/06/23 00:24	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	79		25 - 150				12/01/23 07:11	12/06/23 00:24	10

Client Sample ID: MP-07-(080-112)-202311

Lab Sample ID: 320-106878-40

Date Collected: 11/06/23 12:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorooctanoic acid (PFOA)	<0.92		2.2	0.92	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		11/22/23 14:58	12/02/23 18:10	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(080-112)-202311

Lab Sample ID: 320-106878-40

Date Collected: 11/06/23 12:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorobutanesulfonic acid (PFBS)	6.0		2.2	0.22	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		11/22/23 14:58	12/02/23 18:10	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 18:10	1
NEtFOSA	<0.94		2.2	0.94	ng/L		11/22/23 14:58	12/02/23 18:10	1
NMeFOSA	<0.46		2.2	0.46	ng/L		11/22/23 14:58	12/02/23 18:10	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 14:58	12/02/23 18:10	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 14:58	12/02/23 18:10	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/22/23 14:58	12/02/23 18:10	1
NEtFOSE	<0.92		2.2	0.92	ng/L		11/22/23 14:58	12/02/23 18:10	1
4:2 FTS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 18:10	1
6:2 FTS	<2.7		5.4	2.7	ng/L		11/22/23 14:58	12/02/23 18:10	1
8:2 FTS	<0.50		2.2	0.50	ng/L		11/22/23 14:58	12/02/23 18:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		11/22/23 14:58	12/02/23 18:10	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/22/23 14:58	12/02/23 18:10	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		11/22/23 14:58	12/02/23 18:10	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 18:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C5 PFPeA	79		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C2 PFHxA	117		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C4 PFHpA	115		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C4 PFOA	110		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C5 PFNA	119		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C2 PFDA	122		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C2 PFUnA	117		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C2 PFDoA	110		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C2 PFTeDA	100		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C3 PFBS	104		25 - 150	11/22/23 14:58	12/02/23 18:10	1
18O2 PFHxS	114		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C4 PFOS	114		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C8 FOSA	106		10 - 150	11/22/23 14:58	12/02/23 18:10	1
d3-NMeFOSAA	99		25 - 150	11/22/23 14:58	12/02/23 18:10	1
d5-NEtFOSAA	93		25 - 150	11/22/23 14:58	12/02/23 18:10	1
d-N-MeFOSA-M	84		10 - 150	11/22/23 14:58	12/02/23 18:10	1
d-N-EtFOSA-M	80		10 - 150	11/22/23 14:58	12/02/23 18:10	1
d7-N-MeFOSE-M	86		10 - 150	11/22/23 14:58	12/02/23 18:10	1
d9-N-EtFOSE-M	83		10 - 150	11/22/23 14:58	12/02/23 18:10	1
M2-4:2 FTS	89		25 - 150	11/22/23 14:58	12/02/23 18:10	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(080-112)-202311

Lab Sample ID: 320-106878-40

Date Collected: 11/06/23 12:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	98		25 - 150	11/22/23 14:58	12/02/23 18:10	1
M2-8:2 FTS	118		25 - 150	11/22/23 14:58	12/02/23 18:10	1
13C3 HFPO-DA	114		25 - 150	11/22/23 14:58	12/02/23 18:10	1

Client Sample ID: MP-07-(048-077)-202311

Lab Sample ID: 320-106878-41

Date Collected: 11/06/23 12:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<3.3		6.8	3.3	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluoropentanoic acid (PFPeA)	<0.67		2.7	0.67	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorohexanoic acid (PFHxA)	<0.79		2.7	0.79	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluoroheptanoic acid (PFHpA)	<0.34		2.7	0.34	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorooctanoic acid (PFOA)	<1.2		2.7	1.2	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorononanoic acid (PFNA)	<0.37		2.7	0.37	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorodecanoic acid (PFDA)	<0.42		2.7	0.42	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluoroundecanoic acid (PFUnA)	<1.5		2.7	1.5	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorododecanoic acid (PFDoA)	<0.75		2.7	0.75	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorotridecanoic acid (PFTTrDA)	<1.8		2.7	1.8	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorotetradecanoic acid (PFTeA)	<1.0		2.7	1.0	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorobutanesulfonic acid (PFBS)	6.2		2.7	0.27	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.41		2.7	0.41	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.78		2.7	0.78	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.26		2.7	0.26	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.74		2.7	0.74	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorononanesulfonic acid (PFNS)	<0.50		2.7	0.50	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.44		2.7	0.44	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.7	1.3	ng/L		11/22/23 14:58	12/02/23 18:22	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.7	1.3	ng/L		11/22/23 14:58	12/02/23 18:22	1
NEtFOSA	<1.2		2.7	1.2	ng/L		11/22/23 14:58	12/02/23 18:22	1
NMeFOSA	<0.59		2.7	0.59	ng/L		11/22/23 14:58	12/02/23 18:22	1
NMeFOSAA	<1.6		6.8	1.6	ng/L		11/22/23 14:58	12/02/23 18:22	1
NEtFOSAA	<1.8		6.8	1.8	ng/L		11/22/23 14:58	12/02/23 18:22	1
NMeFOSE	<1.9		5.5	1.9	ng/L		11/22/23 14:58	12/02/23 18:22	1
NEtFOSE	<1.2		2.7	1.2	ng/L		11/22/23 14:58	12/02/23 18:22	1
4:2 FTS	<0.33		2.7	0.33	ng/L		11/22/23 14:58	12/02/23 18:22	1
6:2 FTS	<3.4		6.8	3.4	ng/L		11/22/23 14:58	12/02/23 18:22	1
8:2 FTS	<0.63		2.7	0.63	ng/L		11/22/23 14:58	12/02/23 18:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.55		2.7	0.55	ng/L		11/22/23 14:58	12/02/23 18:22	1
HFPO-DA (GenX)	<2.0		5.5	2.0	ng/L		11/22/23 14:58	12/02/23 18:22	1
9Cl-PF3ONS	<0.33		2.7	0.33	ng/L		11/22/23 14:58	12/02/23 18:22	1
11Cl-PF3OUdS	<0.44		2.7	0.44	ng/L		11/22/23 14:58	12/02/23 18:22	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	84		25 - 150	11/22/23 14:58	12/02/23 18:22	1			
13C5 PFPeA	63		25 - 150	11/22/23 14:58	12/02/23 18:22	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(048-077)-202311

Lab Sample ID: 320-106878-41

Date Collected: 11/06/23 12:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	91		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C4 PFHpA	95		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C4 PFOA	92		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C5 PFNA	91		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C2 PFDA	98		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C2 PFUnA	90		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C2 PFDoA	80		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C2 PFTeDA	79		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C3 PFBS	80		25 - 150	11/22/23 14:58	12/02/23 18:22	1
18O2 PFHxS	88		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C4 PFOS	90		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C8 FOSA	86		10 - 150	11/22/23 14:58	12/02/23 18:22	1
d3-NMeFOSAA	74		25 - 150	11/22/23 14:58	12/02/23 18:22	1
d5-NEtFOSAA	75		25 - 150	11/22/23 14:58	12/02/23 18:22	1
d-N-MeFOSA-M	70		10 - 150	11/22/23 14:58	12/02/23 18:22	1
d-N-EtFOSA-M	64		10 - 150	11/22/23 14:58	12/02/23 18:22	1
d7-N-MeFOSE-M	64		10 - 150	11/22/23 14:58	12/02/23 18:22	1
d9-N-EtFOSE-M	62		10 - 150	11/22/23 14:58	12/02/23 18:22	1
M2-4:2 FTS	81		25 - 150	11/22/23 14:58	12/02/23 18:22	1
M2-6:2 FTS	77		25 - 150	11/22/23 14:58	12/02/23 18:22	1
M2-8:2 FTS	82		25 - 150	11/22/23 14:58	12/02/23 18:22	1
13C3 HFPO-DA	89		25 - 150	11/22/23 14:58	12/02/23 18:22	1

Client Sample ID: MP-08-(220-246)-202311

Lab Sample ID: 320-106878-42

Date Collected: 11/06/23 08:35

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorotridecanoic acid (PFTeDA)	<1.4		2.1	1.4	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 18:33	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 18:33	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(220-246)-202311

Lab Sample ID: 320-106878-42

Date Collected: 11/06/23 08:35

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 14:58	12/02/23 18:33	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/22/23 14:58	12/02/23 18:33	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/22/23 14:58	12/02/23 18:33	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/22/23 14:58	12/02/23 18:33	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/22/23 14:58	12/02/23 18:33	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/22/23 14:58	12/02/23 18:33	1
NEtFOSE	<0.90		2.1	0.90	ng/L		11/22/23 14:58	12/02/23 18:33	1
4:2 FTS	<0.26		2.1	0.26	ng/L		11/22/23 14:58	12/02/23 18:33	1
6:2 FTS	<2.7		5.3	2.7	ng/L		11/22/23 14:58	12/02/23 18:33	1
8:2 FTS	<0.49		2.1	0.49	ng/L		11/22/23 14:58	12/02/23 18:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/22/23 14:58	12/02/23 18:33	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/22/23 14:58	12/02/23 18:33	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		11/22/23 14:58	12/02/23 18:33	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/22/23 14:58	12/02/23 18:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C5 PFPeA	65		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C2 PFHxA	99		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C4 PFHpA	95		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C4 PFOA	95		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C5 PFNA	97		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C2 PFDA	97		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C2 PFUnA	99		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C2 PFDoA	92		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C2 PFTeDA	81		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C3 PFBS	77		25 - 150				11/22/23 14:58	12/02/23 18:33	1
18O2 PFHxS	90		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C4 PFOS	93		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C8 FOSA	90		10 - 150				11/22/23 14:58	12/02/23 18:33	1
d3-NMeFOSAA	80		25 - 150				11/22/23 14:58	12/02/23 18:33	1
d5-NEtFOSAA	82		25 - 150				11/22/23 14:58	12/02/23 18:33	1
d-N-MeFOSA-M	79		10 - 150				11/22/23 14:58	12/02/23 18:33	1
d-N-EtFOSA-M	69		10 - 150				11/22/23 14:58	12/02/23 18:33	1
d7-N-MeFOSE-M	72		10 - 150				11/22/23 14:58	12/02/23 18:33	1
d9-N-EtFOSE-M	71		10 - 150				11/22/23 14:58	12/02/23 18:33	1
M2-4:2 FTS	85		25 - 150				11/22/23 14:58	12/02/23 18:33	1
M2-6:2 FTS	72		25 - 150				11/22/23 14:58	12/02/23 18:33	1
M2-8:2 FTS	97		25 - 150				11/22/23 14:58	12/02/23 18:33	1
13C3 HFPO-DA	90		25 - 150				11/22/23 14:58	12/02/23 18:33	1

Client Sample ID: MP-08-(195-217)-202311

Lab Sample ID: 320-106878-43

Date Collected: 11/06/23 08:50

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		11/22/23 14:58	12/02/23 18:44	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(195-217)-202311

Lab Sample ID: 320-106878-43

Date Collected: 11/06/23 08:50

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorooctanoic acid (PFOA)	<0.86		2.0	0.86	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		11/22/23 14:58	12/02/23 18:44	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		11/22/23 14:58	12/02/23 18:44	1
NEtFOSA	<0.88		2.0	0.88	ng/L		11/22/23 14:58	12/02/23 18:44	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/22/23 14:58	12/02/23 18:44	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/22/23 14:58	12/02/23 18:44	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/22/23 14:58	12/02/23 18:44	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/22/23 14:58	12/02/23 18:44	1
NEtFOSE	<0.86		2.0	0.86	ng/L		11/22/23 14:58	12/02/23 18:44	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/22/23 14:58	12/02/23 18:44	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/22/23 14:58	12/02/23 18:44	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/22/23 14:58	12/02/23 18:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/22/23 14:58	12/02/23 18:44	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/22/23 14:58	12/02/23 18:44	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/22/23 14:58	12/02/23 18:44	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/22/23 14:58	12/02/23 18:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C5 PFPeA	60		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C2 PFHxA	91		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C4 PFHpA	89		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C4 PFOA	88		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C5 PFNA	87		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C2 PFDA	83		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C2 PFUnA	82		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C2 PFDoA	77		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C2 PFTeDA	71		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C3 PFBS	75		25 - 150	11/22/23 14:58	12/02/23 18:44	1
18O2 PFHxS	83		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C4 PFOS	81		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C8 FOSA	80		10 - 150	11/22/23 14:58	12/02/23 18:44	1
d3-NMeFOSAA	77		25 - 150	11/22/23 14:58	12/02/23 18:44	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(195-217)-202311

Lab Sample ID: 320-106878-43

Date Collected: 11/06/23 08:50

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		25 - 150	11/22/23 14:58	12/02/23 18:44	1
d-N-MeFOSA-M	69		10 - 150	11/22/23 14:58	12/02/23 18:44	1
d-N-EtFOSA-M	62		10 - 150	11/22/23 14:58	12/02/23 18:44	1
d7-N-MeFOSE-M	63		10 - 150	11/22/23 14:58	12/02/23 18:44	1
d9-N-EtFOSE-M	62		10 - 150	11/22/23 14:58	12/02/23 18:44	1
M2-4:2 FTS	78		25 - 150	11/22/23 14:58	12/02/23 18:44	1
M2-6:2 FTS	72		25 - 150	11/22/23 14:58	12/02/23 18:44	1
M2-8:2 FTS	84		25 - 150	11/22/23 14:58	12/02/23 18:44	1
13C3 HFPO-DA	85		25 - 150	11/22/23 14:58	12/02/23 18:44	1

Client Sample ID: MP-08-(155-192)-202311

Lab Sample ID: 320-106878-44

Date Collected: 11/06/23 09:40

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.9	0.45	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		11/22/23 14:58	12/02/23 18:55	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		11/22/23 14:58	12/02/23 18:55	1
NEtFOSA	<0.81		1.9	0.81	ng/L		11/22/23 14:58	12/02/23 18:55	1
NMeFOSA	<0.40		1.9	0.40	ng/L		11/22/23 14:58	12/02/23 18:55	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		11/22/23 14:58	12/02/23 18:55	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		11/22/23 14:58	12/02/23 18:55	1
NMeFOSE	<1.3		3.7	1.3	ng/L		11/22/23 14:58	12/02/23 18:55	1
NEtFOSE	<0.79		1.9	0.79	ng/L		11/22/23 14:58	12/02/23 18:55	1
4:2 FTS	<0.22		1.9	0.22	ng/L		11/22/23 14:58	12/02/23 18:55	1
6:2 FTS	<2.3		4.6	2.3	ng/L		11/22/23 14:58	12/02/23 18:55	1
8:2 FTS	<0.43		1.9	0.43	ng/L		11/22/23 14:58	12/02/23 18:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		11/22/23 14:58	12/02/23 18:55	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		11/22/23 14:58	12/02/23 18:55	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(155-192)-202311

Lab Sample ID: 320-106878-44

Date Collected: 11/06/23 09:40

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.22		1.9	0.22	ng/L		11/22/23 14:58	12/02/23 18:55	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		11/22/23 14:58	12/02/23 18:55	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	87		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C5 PFPeA	68		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C2 PFHxA	104		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C4 PFHpA	102		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C4 PFOA	106		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C5 PFNA	108		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C2 PFDA	116		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C2 PFUnA	116		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C2 PFDoA	108		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C2 PFTeDA	104		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C3 PFBS	89		25 - 150				11/22/23 14:58	12/02/23 18:55	1
18O2 PFHxS	103		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C4 PFOS	103		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C8 FOSA	99		10 - 150				11/22/23 14:58	12/02/23 18:55	1
d3-NMeFOSAA	95		25 - 150				11/22/23 14:58	12/02/23 18:55	1
d5-NEtFOSAA	93		25 - 150				11/22/23 14:58	12/02/23 18:55	1
d-N-MeFOSA-M	92		10 - 150				11/22/23 14:58	12/02/23 18:55	1
d-N-EtFOSA-M	83		10 - 150				11/22/23 14:58	12/02/23 18:55	1
d7-N-MeFOSE-M	92		10 - 150				11/22/23 14:58	12/02/23 18:55	1
d9-N-EtFOSE-M	89		10 - 150				11/22/23 14:58	12/02/23 18:55	1
M2-4:2 FTS	80		25 - 150				11/22/23 14:58	12/02/23 18:55	1
M2-6:2 FTS	84		25 - 150				11/22/23 14:58	12/02/23 18:55	1
M2-8:2 FTS	105		25 - 150				11/22/23 14:58	12/02/23 18:55	1
13C3 HFPO-DA	101		25 - 150				11/22/23 14:58	12/02/23 18:55	1

Client Sample ID: MP-08-(115-152)-202311

Lab Sample ID: 320-106878-45

Date Collected: 11/06/23 09:55

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.5	2.7	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluoropentanoic acid (PFPeA)	2.7		2.2	0.54	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorohexanoic acid (PFHxA)	1.9 J		2.2	0.64	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorooctanoic acid (PFOA)	<0.94		2.2	0.94	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		11/22/23 14:58	12/02/23 19:07	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(115-152)-202311

Lab Sample ID: 320-106878-45

Date Collected: 11/06/23 09:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 19:07	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 14:58	12/02/23 19:07	1
NEtFOSA	<0.96		2.2	0.96	ng/L		11/22/23 14:58	12/02/23 19:07	1
NMeFOSA	<0.48		2.2	0.48	ng/L		11/22/23 14:58	12/02/23 19:07	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		11/22/23 14:58	12/02/23 19:07	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		11/22/23 14:58	12/02/23 19:07	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/22/23 14:58	12/02/23 19:07	1
NEtFOSE	<0.94		2.2	0.94	ng/L		11/22/23 14:58	12/02/23 19:07	1
4:2 FTS	<0.27		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 19:07	1
6:2 FTS	<2.8		5.5	2.8	ng/L		11/22/23 14:58	12/02/23 19:07	1
8:2 FTS	<0.51		2.2	0.51	ng/L		11/22/23 14:58	12/02/23 19:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/22/23 14:58	12/02/23 19:07	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		11/22/23 14:58	12/02/23 19:07	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		11/22/23 14:58	12/02/23 19:07	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		11/22/23 14:58	12/02/23 19:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C5 PFPeA	77		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C2 PFHxA	115		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C4 PFHpA	115		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C4 PFOA	112		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C5 PFNA	115		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C2 PFDA	125		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C2 PFUnA	122		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C2 PFDoA	119		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C2 PFTeDA	109		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C3 PFBS	102		25 - 150				11/22/23 14:58	12/02/23 19:07	1
18O2 PFHxS	115		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C4 PFOS	113		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C8 FOSA	112		10 - 150				11/22/23 14:58	12/02/23 19:07	1
d3-NMeFOSAA	111		25 - 150				11/22/23 14:58	12/02/23 19:07	1
d5-NEtFOSAA	104		25 - 150				11/22/23 14:58	12/02/23 19:07	1
d-N-MeFOSA-M	100		10 - 150				11/22/23 14:58	12/02/23 19:07	1
d-N-EtFOSA-M	99		10 - 150				11/22/23 14:58	12/02/23 19:07	1
d7-N-MeFOSE-M	106		10 - 150				11/22/23 14:58	12/02/23 19:07	1
d9-N-EtFOSE-M	96		10 - 150				11/22/23 14:58	12/02/23 19:07	1
M2-4:2 FTS	83		25 - 150				11/22/23 14:58	12/02/23 19:07	1
M2-6:2 FTS	96		25 - 150				11/22/23 14:58	12/02/23 19:07	1
M2-8:2 FTS	119		25 - 150				11/22/23 14:58	12/02/23 19:07	1
13C3 HFPO-DA	112		25 - 150				11/22/23 14:58	12/02/23 19:07	1

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(080-112)-202311

Lab Sample ID: 320-106878-46

Date Collected: 11/06/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	34		6.0	2.9	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluoropentanoic acid (PFPeA)	150		2.4	0.59	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorohexanoic acid (PFHxA)	79		2.4	0.70	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluoroheptanoic acid (PFHpA)	13		2.4	0.30	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorooctanoic acid (PFOA)	1.4	J	2.4	1.0	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorononanoic acid (PFNA)	<0.33		2.4	0.33	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.88		2.4	0.88	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorobutanesulfonic acid (PFBS)	0.44	J	2.4	0.24	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.69		2.4	0.69	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.65		2.4	0.65	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		11/22/23 14:58	12/02/23 19:18	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		11/22/23 14:58	12/02/23 19:18	1
NEtFOSA	<1.0		2.4	1.0	ng/L		11/22/23 14:58	12/02/23 19:18	1
NMeFOSA	<0.52		2.4	0.52	ng/L		11/22/23 14:58	12/02/23 19:18	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		11/22/23 14:58	12/02/23 19:18	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		11/22/23 14:58	12/02/23 19:18	1
NMeFOSE	<1.7		4.8	1.7	ng/L		11/22/23 14:58	12/02/23 19:18	1
NEtFOSE	<1.0		2.4	1.0	ng/L		11/22/23 14:58	12/02/23 19:18	1
4:2 FTS	5.3		2.4	0.29	ng/L		11/22/23 14:58	12/02/23 19:18	1
6:2 FTS	25		6.0	3.0	ng/L		11/22/23 14:58	12/02/23 19:18	1
8:2 FTS	<0.55		2.4	0.55	ng/L		11/22/23 14:58	12/02/23 19:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		11/22/23 14:58	12/02/23 19:18	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		11/22/23 14:58	12/02/23 19:18	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		11/22/23 14:58	12/02/23 19:18	1
11Cl-PF3OUdS	<0.39		2.4	0.39	ng/L		11/22/23 14:58	12/02/23 19:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C5 PFPeA	73		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C2 PFHxA	121		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C4 PFHpA	121		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C4 PFOA	119		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C5 PFNA	126		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C2 PFDA	128		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C2 PFUnA	133		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C2 PFDoA	115		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C2 PFTrDA	110		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C3 PFBS	99		25 - 150	11/22/23 14:58	12/02/23 19:18	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(080-112)-202311

Lab Sample ID: 320-106878-46

Date Collected: 11/06/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	112		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C4 PFOS	126		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C8 FOSA	106		10 - 150	11/22/23 14:58	12/02/23 19:18	1
d3-NMeFOSAA	108		25 - 150	11/22/23 14:58	12/02/23 19:18	1
d5-NEtFOSAA	103		25 - 150	11/22/23 14:58	12/02/23 19:18	1
d-N-MeFOSA-M	104		10 - 150	11/22/23 14:58	12/02/23 19:18	1
d-N-EtFOSA-M	96		10 - 150	11/22/23 14:58	12/02/23 19:18	1
d7-N-MeFOSE-M	104		10 - 150	11/22/23 14:58	12/02/23 19:18	1
d9-N-EtFOSE-M	95		10 - 150	11/22/23 14:58	12/02/23 19:18	1
M2-4:2 FTS	92		25 - 150	11/22/23 14:58	12/02/23 19:18	1
M2-6:2 FTS	91		25 - 150	11/22/23 14:58	12/02/23 19:18	1
M2-8:2 FTS	137		25 - 150	11/22/23 14:58	12/02/23 19:18	1
13C3 HFPO-DA	112		25 - 150	11/22/23 14:58	12/02/23 19:18	1

Client Sample ID: MP-08-(048-077)-202311

Lab Sample ID: 320-106878-47

Date Collected: 11/06/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.9	J	5.8	2.8	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorobutanesulfonic acid (PFBS)	20		2.3	0.23	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.62		2.3	0.62	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		11/22/23 14:58	12/02/23 19:29	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		11/22/23 14:58	12/02/23 19:29	1
NEtFOSA	<1.0		2.3	1.0	ng/L		11/22/23 14:58	12/02/23 19:29	1
NMeFOSA	<0.50		2.3	0.50	ng/L		11/22/23 14:58	12/02/23 19:29	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		11/22/23 14:58	12/02/23 19:29	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		11/22/23 14:58	12/02/23 19:29	1
NMeFOSE	<1.6		4.6	1.6	ng/L		11/22/23 14:58	12/02/23 19:29	1
NEtFOSE	<0.98		2.3	0.98	ng/L		11/22/23 14:58	12/02/23 19:29	1
4:2 FTS	<0.28		2.3	0.28	ng/L		11/22/23 14:58	12/02/23 19:29	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(048-077)-202311

Lab Sample ID: 320-106878-47

Date Collected: 11/06/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.9		5.8	2.9	ng/L		11/22/23 14:58	12/02/23 19:29	1
8:2 FTS	<0.53		2.3	0.53	ng/L		11/22/23 14:58	12/02/23 19:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		11/22/23 14:58	12/02/23 19:29	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		11/22/23 14:58	12/02/23 19:29	1
9CI-PF3ONS	<0.28		2.3	0.28	ng/L		11/22/23 14:58	12/02/23 19:29	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		11/22/23 14:58	12/02/23 19:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C5 PFPeA	67		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C2 PFHxA	101		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C4 PFHpA	98		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C4 PFOA	95		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C5 PFNA	97		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C2 PFDA	97		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C2 PFUnA	105		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C2 PFDoA	89		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C2 PFTeDA	78		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C3 PFBS	89		25 - 150	11/22/23 14:58	12/02/23 19:29	1
18O2 PFHxS	93		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C4 PFOS	96		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C8 FOSA	93		10 - 150	11/22/23 14:58	12/02/23 19:29	1
d3-NMeFOSAA	65		25 - 150	11/22/23 14:58	12/02/23 19:29	1
d5-NEtFOSAA	90		25 - 150	11/22/23 14:58	12/02/23 19:29	1
d-N-MeFOSA-M	70		10 - 150	11/22/23 14:58	12/02/23 19:29	1
d-N-EtFOSA-M	72		10 - 150	11/22/23 14:58	12/02/23 19:29	1
d7-N-MeFOSE-M	73		10 - 150	11/22/23 14:58	12/02/23 19:29	1
d9-N-EtFOSE-M	69		10 - 150	11/22/23 14:58	12/02/23 19:29	1
M2-4:2 FTS	90		25 - 150	11/22/23 14:58	12/02/23 19:29	1
M2-6:2 FTS	92		25 - 150	11/22/23 14:58	12/02/23 19:29	1
M2-8:2 FTS	111		25 - 150	11/22/23 14:58	12/02/23 19:29	1
13C3 HFPO-DA	95		25 - 150	11/22/23 14:58	12/02/23 19:29	1

Client Sample ID: DUP-01-202311

Lab Sample ID: 320-106878-48

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.8	2.8	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		11/22/23 15:11	12/02/23 21:57	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-01-202311

Lab Sample ID: 320-106878-48

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		11/22/23 15:11	12/02/23 21:57	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		11/22/23 15:11	12/02/23 21:57	1
NEtFOSA	<1.0		2.3	1.0	ng/L		11/22/23 15:11	12/02/23 21:57	1
NMeFOSA	<0.50		2.3	0.50	ng/L		11/22/23 15:11	12/02/23 21:57	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		11/22/23 15:11	12/02/23 21:57	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		11/22/23 15:11	12/02/23 21:57	1
NMeFOSE	<1.6		4.6	1.6	ng/L		11/22/23 15:11	12/02/23 21:57	1
NEtFOSE	<0.98		2.3	0.98	ng/L		11/22/23 15:11	12/02/23 21:57	1
4:2 FTS	<0.28		2.3	0.28	ng/L		11/22/23 15:11	12/02/23 21:57	1
6:2 FTS	<2.9		5.8	2.9	ng/L		11/22/23 15:11	12/02/23 21:57	1
8:2 FTS	<0.53		2.3	0.53	ng/L		11/22/23 15:11	12/02/23 21:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		11/22/23 15:11	12/02/23 21:57	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		11/22/23 15:11	12/02/23 21:57	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		11/22/23 15:11	12/02/23 21:57	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		11/22/23 15:11	12/02/23 21:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C5 PFPeA	57		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C2 PFHxA	87		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C4 PFHpA	84		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C4 PFOA	83		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C5 PFNA	83		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C2 PFDA	84		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C2 PFUnA	80		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C2 PFDoA	69		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C2 PFTeDA	56		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C3 PFBS	74		25 - 150	11/22/23 15:11	12/02/23 21:57	1
18O2 PFHxS	77		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C4 PFOS	80		25 - 150	11/22/23 15:11	12/02/23 21:57	1
13C8 FOSA	74		10 - 150	11/22/23 15:11	12/02/23 21:57	1
d3-NMeFOSAA	55		25 - 150	11/22/23 15:11	12/02/23 21:57	1
d5-NEtFOSAA	72		25 - 150	11/22/23 15:11	12/02/23 21:57	1
d-N-MeFOSA-M	60		10 - 150	11/22/23 15:11	12/02/23 21:57	1
d-N-EtFOSA-M	55		10 - 150	11/22/23 15:11	12/02/23 21:57	1
d7-N-MeFOSE-M	55		10 - 150	11/22/23 15:11	12/02/23 21:57	1
d9-N-EtFOSE-M	52		10 - 150	11/22/23 15:11	12/02/23 21:57	1
M2-4:2 FTS	83		25 - 150	11/22/23 15:11	12/02/23 21:57	1
M2-6:2 FTS	80		25 - 150	11/22/23 15:11	12/02/23 21:57	1
M2-8:2 FTS	91		25 - 150	11/22/23 15:11	12/02/23 21:57	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-01-202311

Lab Sample ID: 320-106878-48

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	80		25 - 150	11/22/23 15:11	12/02/23 21:57	1

Client Sample ID: DUP-02-202311

Lab Sample ID: 320-106878-49

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.0	J	5.1	2.4	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluoropentanoic acid (PFPeA)	12		2.0	0.50	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorohexanoic acid (PFHxA)	8.6		2.0	0.59	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluoroheptanoic acid (PFHpA)	2.8		2.0	0.25	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorooctanoic acid (PFOA)	2.7		2.0	0.86	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		11/22/23 15:11	12/02/23 22:08	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		11/22/23 15:11	12/02/23 22:08	1
NEtFOSA	<0.88		2.0	0.88	ng/L		11/22/23 15:11	12/02/23 22:08	1
NMeFOSA	<0.44		2.0	0.44	ng/L		11/22/23 15:11	12/02/23 22:08	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		11/22/23 15:11	12/02/23 22:08	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		11/22/23 15:11	12/02/23 22:08	1
NMeFOSE	<1.4		4.1	1.4	ng/L		11/22/23 15:11	12/02/23 22:08	1
NEtFOSE	<0.86		2.0	0.86	ng/L		11/22/23 15:11	12/02/23 22:08	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 22:08	1
6:2 FTS	39		5.1	2.5	ng/L		11/22/23 15:11	12/02/23 22:08	1
8:2 FTS	1.2	J	2.0	0.47	ng/L		11/22/23 15:11	12/02/23 22:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		11/22/23 15:11	12/02/23 22:08	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		11/22/23 15:11	12/02/23 22:08	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 22:08	1
11CI-PF3OUdS	<0.33		2.0	0.33	ng/L		11/22/23 15:11	12/02/23 22:08	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	81		25 - 150	11/22/23 15:11	12/02/23 22:08	1			
13C5 PFPeA	55		25 - 150	11/22/23 15:11	12/02/23 22:08	1			
13C2 PFHxA	83		25 - 150	11/22/23 15:11	12/02/23 22:08	1			
13C4 PFHpA	81		25 - 150	11/22/23 15:11	12/02/23 22:08	1			
13C4 PFOA	77		25 - 150	11/22/23 15:11	12/02/23 22:08	1			

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-02-202311

Lab Sample ID: 320-106878-49

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	81		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C2 PFDA	84		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C2 PFUnA	79		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C2 PFDoA	66		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C2 PFTeDA	59		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C3 PFBS	71		25 - 150	11/22/23 15:11	12/02/23 22:08	1
18O2 PFHxS	74		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C4 PFOS	71		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C8 FOSA	71		10 - 150	11/22/23 15:11	12/02/23 22:08	1
d3-NMeFOSAA	48		25 - 150	11/22/23 15:11	12/02/23 22:08	1
d5-NEtFOSAA	73		25 - 150	11/22/23 15:11	12/02/23 22:08	1
d-N-MeFOSA-M	59		10 - 150	11/22/23 15:11	12/02/23 22:08	1
d-N-EtFOSA-M	61		10 - 150	11/22/23 15:11	12/02/23 22:08	1
d7-N-MeFOSE-M	51		10 - 150	11/22/23 15:11	12/02/23 22:08	1
d9-N-EtFOSE-M	49		10 - 150	11/22/23 15:11	12/02/23 22:08	1
M2-4:2 FTS	91		25 - 150	11/22/23 15:11	12/02/23 22:08	1
M2-6:2 FTS	72		25 - 150	11/22/23 15:11	12/02/23 22:08	1
M2-8:2 FTS	95		25 - 150	11/22/23 15:11	12/02/23 22:08	1
13C3 HFPO-DA	79		25 - 150	11/22/23 15:11	12/02/23 22:08	1

Client Sample ID: DUP-03-202311

Lab Sample ID: 320-106878-50

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		7.0	3.3	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluoropentanoic acid (PFPeA)	31		2.8	0.68	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorohexanoic acid (PFHxA)	20		2.8	0.81	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluoroheptanoic acid (PFHpA)	18		2.8	0.35	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorooctanoic acid (PFOA)	3.2		2.8	1.2	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorononanoic acid (PFNA)	0.77	J	2.8	0.38	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorodecanoic acid (PFDA)	<0.43		2.8	0.43	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluoroundecanoic acid (PFUnA)	<1.5		2.8	1.5	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorododecanoic acid (PFDoA)	<0.77		2.8	0.77	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.8		2.8	1.8	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorotetradecanoic acid (PFTeA)	<1.0		2.8	1.0	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorobutanesulfonic acid (PFBS)	0.94	J	2.8	0.28	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.42		2.8	0.42	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.80		2.8	0.80	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.27		2.8	0.27	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.75		2.8	0.75	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorononanesulfonic acid (PFNS)	<0.52		2.8	0.52	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.45		2.8	0.45	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorododecanesulfonic acid (PFDoS)	<1.4		2.8	1.4	ng/L		11/22/23 15:11	12/02/23 22:19	1
Perfluorooctanesulfonamide (FOSA)	<1.4		2.8	1.4	ng/L		11/22/23 15:11	12/02/23 22:19	1
NEtFOSA	<1.2		2.8	1.2	ng/L		11/22/23 15:11	12/02/23 22:19	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-03-202311

Lab Sample ID: 320-106878-50

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.60		2.8	0.60	ng/L		11/22/23 15:11	12/02/23 22:19	1
NMeFOSAA	<1.7		7.0	1.7	ng/L		11/22/23 15:11	12/02/23 22:19	1
NEtFOSAA	<1.8		7.0	1.8	ng/L		11/22/23 15:11	12/02/23 22:19	1
NMeFOSE	<2.0		5.6	2.0	ng/L		11/22/23 15:11	12/02/23 22:19	1
NEtFOSE	<1.2		2.8	1.2	ng/L		11/22/23 15:11	12/02/23 22:19	1
4:2 FTS	<0.33		2.8	0.33	ng/L		11/22/23 15:11	12/02/23 22:19	1
6:2 FTS	<3.5		7.0	3.5	ng/L		11/22/23 15:11	12/02/23 22:19	1
8:2 FTS	<0.64		2.8	0.64	ng/L		11/22/23 15:11	12/02/23 22:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.56		2.8	0.56	ng/L		11/22/23 15:11	12/02/23 22:19	1
HFPO-DA (GenX)	<2.1		5.6	2.1	ng/L		11/22/23 15:11	12/02/23 22:19	1
9Cl-PF3ONS	<0.33		2.8	0.33	ng/L		11/22/23 15:11	12/02/23 22:19	1
11Cl-PF3OUdS	<0.45		2.8	0.45	ng/L		11/22/23 15:11	12/02/23 22:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C5 PFPeA	59		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C2 PFHxA	84		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C4 PFHpA	85		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C4 PFOA	85		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C5 PFNA	87		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C2 PFDA	89		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C2 PFUnA	84		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C2 PFDoA	76		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C2 PFTeDA	64		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C3 PFBS	71		25 - 150				11/22/23 15:11	12/02/23 22:19	1
18O2 PFHxS	77		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C4 PFOS	80		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C8 FOSA	80		10 - 150				11/22/23 15:11	12/02/23 22:19	1
d3-NMeFOSAA	78		25 - 150				11/22/23 15:11	12/02/23 22:19	1
d5-NEtFOSAA	76		25 - 150				11/22/23 15:11	12/02/23 22:19	1
d-N-MeFOSA-M	72		10 - 150				11/22/23 15:11	12/02/23 22:19	1
d-N-EtFOSA-M	62		10 - 150				11/22/23 15:11	12/02/23 22:19	1
d7-N-MeFOSE-M	56		10 - 150				11/22/23 15:11	12/02/23 22:19	1
d9-N-EtFOSE-M	53		10 - 150				11/22/23 15:11	12/02/23 22:19	1
M2-4:2 FTS	74		25 - 150				11/22/23 15:11	12/02/23 22:19	1
M2-6:2 FTS	83		25 - 150				11/22/23 15:11	12/02/23 22:19	1
M2-8:2 FTS	97		25 - 150				11/22/23 15:11	12/02/23 22:19	1
13C3 HFPO-DA	83		25 - 150				11/22/23 15:11	12/02/23 22:19	1

Client Sample ID: DUP-04-202311

Lab Sample ID: 320-106878-51

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	150		5.2	2.5	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluoroheptanoic acid (PFHpA)	150		2.1	0.26	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorooctanoic acid (PFOA)	250		2.1	0.88	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorononanoic acid (PFNA)	13		2.1	0.28	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorodecanoic acid (PFDA)	1.3	J	2.1	0.32	ng/L		11/22/23 15:11	12/02/23 22:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-04-202311

Lab Sample ID: 320-106878-51

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorobutanesulfonic acid (PFBS)	0.71	J	2.1	0.21	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluoropentanesulfonic acid (PFPeS)	0.52	J	2.1	0.31	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.1	0.59	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorooctanesulfonic acid (PFOS)	4.3		2.1	0.56	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 15:11	12/02/23 22:31	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 15:11	12/02/23 22:31	1
NEtFOSA	<0.90		2.1	0.90	ng/L		11/22/23 15:11	12/02/23 22:31	1
NMeFOSA	<0.45		2.1	0.45	ng/L		11/22/23 15:11	12/02/23 22:31	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		11/22/23 15:11	12/02/23 22:31	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		11/22/23 15:11	12/02/23 22:31	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/22/23 15:11	12/02/23 22:31	1
NEtFOSE	<0.88		2.1	0.88	ng/L		11/22/23 15:11	12/02/23 22:31	1
4:2 FTS	39		2.1	0.25	ng/L		11/22/23 15:11	12/02/23 22:31	1
8:2 FTS	170		2.1	0.48	ng/L		11/22/23 15:11	12/02/23 22:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/22/23 15:11	12/02/23 22:31	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/22/23 15:11	12/02/23 22:31	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		11/22/23 15:11	12/02/23 22:31	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		11/22/23 15:11	12/02/23 22:31	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	78		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C4 PFHpA	83		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C4 PFOA	78		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C5 PFNA	80		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C2 PFDA	80		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C2 PFUnA	82		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C2 PFDoA	66		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C2 PFTeDA	58		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C3 PFBS	69		25 - 150				11/22/23 15:11	12/02/23 22:31	1
18O2 PFHxS	74		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C4 PFOS	74		25 - 150				11/22/23 15:11	12/02/23 22:31	1
13C8 FOSA	76		10 - 150				11/22/23 15:11	12/02/23 22:31	1
d3-NMeFOSAA	67		25 - 150				11/22/23 15:11	12/02/23 22:31	1
d5-NEtFOSAA	73		25 - 150				11/22/23 15:11	12/02/23 22:31	1
d-N-MeFOSA-M	64		10 - 150				11/22/23 15:11	12/02/23 22:31	1
d-N-EtFOSA-M	61		10 - 150				11/22/23 15:11	12/02/23 22:31	1
d7-N-MeFOSE-M	54		10 - 150				11/22/23 15:11	12/02/23 22:31	1
d9-N-EtFOSE-M	54		10 - 150				11/22/23 15:11	12/02/23 22:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-04-202311

Lab Sample ID: 320-106878-51

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	80		25 - 150	11/22/23 15:11	12/02/23 22:31	1
M2-8:2 FTS	88		25 - 150	11/22/23 15:11	12/02/23 22:31	1
13C3 HFPO-DA	80		25 - 150	11/22/23 15:11	12/02/23 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	840		42	10	ng/L		11/22/23 15:11	12/04/23 16:18	20
Perfluorohexanoic acid (PFHxA)	560		42	12	ng/L		11/22/23 15:11	12/04/23 16:18	20
6:2 FTS	3300		100	52	ng/L		11/22/23 15:11	12/04/23 16:18	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	52		25 - 150	11/22/23 15:11	12/04/23 16:18	20
13C2 PFHxA	83		25 - 150	11/22/23 15:11	12/04/23 16:18	20
M2-6:2 FTS	95		25 - 150	11/22/23 15:11	12/04/23 16:18	20

Client Sample ID: DUP-05-202311

Lab Sample ID: 320-106878-52

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	160		6.4	3.1	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorohexanoic acid (PFHxA)	470		2.6	0.74	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluoroheptanoic acid (PFHpA)	340		2.6	0.32	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorooctanoic acid (PFOA)	250		2.6	1.1	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorononanoic acid (PFNA)	7.2		2.6	0.34	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorodecanoic acid (PFDA)	0.59	J	2.6	0.40	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.6	0.70	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.6	1.7	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.6	0.93	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	2.6	0.26	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.6	0.38	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.75	J	2.6	0.73	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.6	0.24	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.6	0.69	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.6	0.47	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.6	1.2	ng/L		11/22/23 15:11	12/02/23 22:42	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		11/22/23 15:11	12/02/23 22:42	1
NEtFOSA	<1.1		2.6	1.1	ng/L		11/22/23 15:11	12/02/23 22:42	1
NMeFOSA	<0.55		2.6	0.55	ng/L		11/22/23 15:11	12/02/23 22:42	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		11/22/23 15:11	12/02/23 22:42	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		11/22/23 15:11	12/02/23 22:42	1
NMeFOSE	<1.8		5.1	1.8	ng/L		11/22/23 15:11	12/02/23 22:42	1
NEtFOSE	<1.1		2.6	1.1	ng/L		11/22/23 15:11	12/02/23 22:42	1
4:2 FTS	<0.31		2.6	0.31	ng/L		11/22/23 15:11	12/02/23 22:42	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-05-202311

Lab Sample ID: 320-106878-52

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<3.2		6.4	3.2	ng/L		11/22/23 15:11	12/02/23 22:42	1
8:2 FTS	1.1	J	2.6	0.59	ng/L		11/22/23 15:11	12/02/23 22:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.6	0.51	ng/L		11/22/23 15:11	12/02/23 22:42	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		11/22/23 15:11	12/02/23 22:42	1
9CI-PF3ONS	<0.31		2.6	0.31	ng/L		11/22/23 15:11	12/02/23 22:42	1
11CI-PF3OUdS	<0.41		2.6	0.41	ng/L		11/22/23 15:11	12/02/23 22:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	61		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C2 PFHxA	72		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C4 PFHpA	71		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C4 PFOA	68		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C5 PFNA	71		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C2 PFDA	70		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C2 PFUnA	69		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C2 PFDoA	58		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C2 PFTeDA	45		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C3 PFBS	56		25 - 150	11/22/23 15:11	12/02/23 22:42	1
18O2 PFHxS	62		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C4 PFOS	62		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C8 FOSA	69		10 - 150	11/22/23 15:11	12/02/23 22:42	1
d3-NMeFOSAA	65		25 - 150	11/22/23 15:11	12/02/23 22:42	1
d5-NEtFOSAA	64		25 - 150	11/22/23 15:11	12/02/23 22:42	1
d-N-MeFOSA-M	52		10 - 150	11/22/23 15:11	12/02/23 22:42	1
d-N-EtFOSA-M	45		10 - 150	11/22/23 15:11	12/02/23 22:42	1
d7-N-MeFOSE-M	40		10 - 150	11/22/23 15:11	12/02/23 22:42	1
d9-N-EtFOSE-M	38		10 - 150	11/22/23 15:11	12/02/23 22:42	1
M2-4:2 FTS	75		25 - 150	11/22/23 15:11	12/02/23 22:42	1
M2-6:2 FTS	65		25 - 150	11/22/23 15:11	12/02/23 22:42	1
M2-8:2 FTS	84		25 - 150	11/22/23 15:11	12/02/23 22:42	1
13C3 HFPO-DA	69		25 - 150	11/22/23 15:11	12/02/23 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	710		26	6.3	ng/L		11/22/23 15:11	12/04/23 15:55	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	44		25 - 150	11/22/23 15:11	12/04/23 15:55	10

Client Sample ID: DUP-06-202311

Lab Sample ID: 320-106878-53

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		5.4	2.6	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluoropentanoic acid (PFPeA)	81		2.1	0.53	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorohexanoic acid (PFHxA)	47		2.1	0.62	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluoroheptanoic acid (PFHpA)	15		2.1	0.27	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorooctanoic acid (PFOA)	13		2.1	0.91	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorononanoic acid (PFNA)	1.1	J	2.1	0.29	ng/L		11/22/23 15:11	12/02/23 22:53	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-06-202311

Lab Sample ID: 320-106878-53

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 15:11	12/02/23 22:53	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.1	1.1	ng/L		11/22/23 15:11	12/02/23 22:53	1
NEtFOSA	<0.93		2.1	0.93	ng/L		11/22/23 15:11	12/02/23 22:53	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/22/23 15:11	12/02/23 22:53	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 15:11	12/02/23 22:53	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 15:11	12/02/23 22:53	1
NMeFOSE	<1.5		4.3	1.5	ng/L		11/22/23 15:11	12/02/23 22:53	1
NEtFOSE	<0.91		2.1	0.91	ng/L		11/22/23 15:11	12/02/23 22:53	1
4:2 FTS	0.51	J	2.1	0.26	ng/L		11/22/23 15:11	12/02/23 22:53	1
6:2 FTS	86		5.4	2.7	ng/L		11/22/23 15:11	12/02/23 22:53	1
8:2 FTS	5.0		2.1	0.49	ng/L		11/22/23 15:11	12/02/23 22:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		11/22/23 15:11	12/02/23 22:53	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		11/22/23 15:11	12/02/23 22:53	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		11/22/23 15:11	12/02/23 22:53	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		11/22/23 15:11	12/02/23 22:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C5 PFPeA	59		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C2 PFHxA	84		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C4 PFHpA	84		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C4 PFOA	78		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C5 PFNA	74		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C2 PFDA	85		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C2 PFUnA	75		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C2 PFDoA	69		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C2 PFTeDA	59		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C3 PFBS	70		25 - 150	11/22/23 15:11	12/02/23 22:53	1
18O2 PFHxS	70		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C4 PFOS	73		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C8 FOSA	77		10 - 150	11/22/23 15:11	12/02/23 22:53	1
d3-NMeFOSAA	57		25 - 150	11/22/23 15:11	12/02/23 22:53	1
d5-NEtFOSAA	75		25 - 150	11/22/23 15:11	12/02/23 22:53	1
d-N-MeFOSA-M	66		10 - 150	11/22/23 15:11	12/02/23 22:53	1
d-N-EtFOSA-M	59		10 - 150	11/22/23 15:11	12/02/23 22:53	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-06-202311

Lab Sample ID: 320-106878-53

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	54		10 - 150	11/22/23 15:11	12/02/23 22:53	1
d9-N-EtFOSE-M	53		10 - 150	11/22/23 15:11	12/02/23 22:53	1
M2-4:2 FTS	88		25 - 150	11/22/23 15:11	12/02/23 22:53	1
M2-6:2 FTS	75		25 - 150	11/22/23 15:11	12/02/23 22:53	1
M2-8:2 FTS	102		25 - 150	11/22/23 15:11	12/02/23 22:53	1
13C3 HFPO-DA	82		25 - 150	11/22/23 15:11	12/02/23 22:53	1

Client Sample ID: DUP-07-202311

Lab Sample ID: 320-106878-54

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	61		5.4	2.6	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluoropentanoic acid (PFPeA)	330		2.2	0.53	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorohexanoic acid (PFHxA)	190		2.2	0.63	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluoroheptanoic acid (PFHpA)	85		2.2	0.27	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorooctanoic acid (PFOA)	84		2.2	0.93	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorononanoic acid (PFNA)	8.3		2.2	0.29	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorodecanoic acid (PFDA)	2.0	J	2.2	0.34	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorobutanesulfonic acid (PFBS)	0.45	J	2.2	0.22	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.95	J	2.2	0.62	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorooctanesulfonic acid (PFOS)	2.8		2.2	0.59	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		11/22/23 15:11	12/02/23 23:05	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		11/22/23 15:11	12/02/23 23:05	1
NEtFOSA	<0.95		2.2	0.95	ng/L		11/22/23 15:11	12/02/23 23:05	1
NMeFOSA	<0.47		2.2	0.47	ng/L		11/22/23 15:11	12/02/23 23:05	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		11/22/23 15:11	12/02/23 23:05	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		11/22/23 15:11	12/02/23 23:05	1
NMeFOSE	<1.5		4.4	1.5	ng/L		11/22/23 15:11	12/02/23 23:05	1
NEtFOSE	<0.93		2.2	0.93	ng/L		11/22/23 15:11	12/02/23 23:05	1
4:2 FTS	4.0		2.2	0.26	ng/L		11/22/23 15:11	12/02/23 23:05	1
8:2 FTS	180		2.2	0.50	ng/L		11/22/23 15:11	12/02/23 23:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		11/22/23 15:11	12/02/23 23:05	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		11/22/23 15:11	12/02/23 23:05	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		11/22/23 15:11	12/02/23 23:05	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		11/22/23 15:11	12/02/23 23:05	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-07-202311

Lab Sample ID: 320-106878-54

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C5 PFPeA	52		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C2 PFHxA	87		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C4 PFHpA	81		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C4 PFOA	81		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C5 PFNA	77		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C2 PFDA	86		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C2 PFUnA	86		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C2 PFDoA	71		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C2 PFTeDA	58		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C3 PFBS	66		25 - 150	11/22/23 15:11	12/02/23 23:05	1
18O2 PFHxS	70		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C4 PFOS	72		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C8 FOSA	76		10 - 150	11/22/23 15:11	12/02/23 23:05	1
d3-NMeFOSAA	72		25 - 150	11/22/23 15:11	12/02/23 23:05	1
d5-NEtFOSAA	71		25 - 150	11/22/23 15:11	12/02/23 23:05	1
d-N-MeFOSA-M	64		10 - 150	11/22/23 15:11	12/02/23 23:05	1
d-N-EtFOSA-M	59		10 - 150	11/22/23 15:11	12/02/23 23:05	1
d7-N-MeFOSE-M	53		10 - 150	11/22/23 15:11	12/02/23 23:05	1
d9-N-EtFOSE-M	52		10 - 150	11/22/23 15:11	12/02/23 23:05	1
M2-4:2 FTS	88		25 - 150	11/22/23 15:11	12/02/23 23:05	1
M2-8:2 FTS	96		25 - 150	11/22/23 15:11	12/02/23 23:05	1
13C3 HFPO-DA	80		25 - 150	11/22/23 15:11	12/02/23 23:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1300		54	27	ng/L		11/22/23 15:11	12/04/23 16:06	10
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	72		25 - 150	11/22/23 15:11	12/04/23 16:06	10			

Client Sample ID: DUP-08-202311

Lab Sample ID: 320-106878-55

Date Collected: 11/08/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluoropentanoic acid (PFPeA)	10		2.1	0.52	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorohexanoic acid (PFHxA)	7.7		2.1	0.62	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluoroheptanoic acid (PFHpA)	2.7		2.1	0.27	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorooctanoic acid (PFOA)	5.0		2.1	0.90	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		11/22/23 15:11	12/02/23 23:38	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-08-202311

Lab Sample ID: 320-106878-55

Date Collected: 11/08/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		11/22/23 15:11	12/02/23 23:38	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		11/22/23 15:11	12/02/23 23:38	1
NEtFOSA	<0.92		2.1	0.92	ng/L		11/22/23 15:11	12/02/23 23:38	1
NMeFOSA	<0.46		2.1	0.46	ng/L		11/22/23 15:11	12/02/23 23:38	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		11/22/23 15:11	12/02/23 23:38	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		11/22/23 15:11	12/02/23 23:38	1
NMeFOSE	<1.5		4.2	1.5	ng/L		11/22/23 15:11	12/02/23 23:38	1
NEtFOSE	<0.90		2.1	0.90	ng/L		11/22/23 15:11	12/02/23 23:38	1
4:2 FTS	0.62	J	2.1	0.25	ng/L		11/22/23 15:11	12/02/23 23:38	1
6:2 FTS	81		5.3	2.7	ng/L		11/22/23 15:11	12/02/23 23:38	1
8:2 FTS	4.5		2.1	0.49	ng/L		11/22/23 15:11	12/02/23 23:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		11/22/23 15:11	12/02/23 23:38	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		11/22/23 15:11	12/02/23 23:38	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		11/22/23 15:11	12/02/23 23:38	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		11/22/23 15:11	12/02/23 23:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	70		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C5 PFPeA	54		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C2 PFHxA	83		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C4 PFHpA	79		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C4 PFOA	76		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C5 PFNA	75		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C2 PFDA	75		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C2 PFUnA	78		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C2 PFDoA	72		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C2 PFTeDA	56		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C3 PFBS	68		25 - 150				11/22/23 15:11	12/02/23 23:38	1
18O2 PFHxS	70		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C4 PFOS	68		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C8 FOSA	70		10 - 150				11/22/23 15:11	12/02/23 23:38	1
d3-NMeFOSAA	71		25 - 150				11/22/23 15:11	12/02/23 23:38	1
d5-NEtFOSAA	77		25 - 150				11/22/23 15:11	12/02/23 23:38	1
d-N-MeFOSA-M	66		10 - 150				11/22/23 15:11	12/02/23 23:38	1
d-N-EtFOSA-M	60		10 - 150				11/22/23 15:11	12/02/23 23:38	1
d7-N-MeFOSE-M	54		10 - 150				11/22/23 15:11	12/02/23 23:38	1
d9-N-EtFOSE-M	51		10 - 150				11/22/23 15:11	12/02/23 23:38	1
M2-4:2 FTS	66		25 - 150				11/22/23 15:11	12/02/23 23:38	1
M2-6:2 FTS	76		25 - 150				11/22/23 15:11	12/02/23 23:38	1
M2-8:2 FTS	86		25 - 150				11/22/23 15:11	12/02/23 23:38	1
13C3 HFPO-DA	76		25 - 150				11/22/23 15:11	12/02/23 23:38	1

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: FB-01-202311

Lab Sample ID: 320-106878-56

Date Collected: 11/08/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		11/22/23 15:11	12/02/23 23:50	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		11/22/23 15:11	12/02/23 23:50	1
NEtFOSA	<0.85		2.0	0.85	ng/L		11/22/23 15:11	12/02/23 23:50	1
NMeFOSA	<0.42		2.0	0.42	ng/L		11/22/23 15:11	12/02/23 23:50	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		11/22/23 15:11	12/02/23 23:50	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		11/22/23 15:11	12/02/23 23:50	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/22/23 15:11	12/02/23 23:50	1
NEtFOSE	<0.83		2.0	0.83	ng/L		11/22/23 15:11	12/02/23 23:50	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 23:50	1
6:2 FTS	<2.5		4.9	2.5	ng/L		11/22/23 15:11	12/02/23 23:50	1
8:2 FTS	<0.45		2.0	0.45	ng/L		11/22/23 15:11	12/02/23 23:50	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		11/22/23 15:11	12/02/23 23:50	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/22/23 15:11	12/02/23 23:50	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 23:50	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		11/22/23 15:11	12/02/23 23:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C5 PFPeA	64		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C2 PFHxA	83		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C4 PFHpA	81		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C4 PFOA	78		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C5 PFNA	79		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C2 PFDA	85		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C2 PFUnA	80		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C2 PFDoA	71		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C2 PFTeDA	60		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C3 PFBS	68		25 - 150	11/22/23 15:11	12/02/23 23:50	1
18O2 PFHxS	72		25 - 150	11/22/23 15:11	12/02/23 23:50	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: FB-01-202311

Lab Sample ID: 320-106878-56

Date Collected: 11/08/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	76		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C8 FOSA	69		10 - 150	11/22/23 15:11	12/02/23 23:50	1
d3-NMeFOSAA	66		25 - 150	11/22/23 15:11	12/02/23 23:50	1
d5-NEtFOSAA	63		25 - 150	11/22/23 15:11	12/02/23 23:50	1
d-N-MeFOSA-M	68		10 - 150	11/22/23 15:11	12/02/23 23:50	1
d-N-EtFOSA-M	65		10 - 150	11/22/23 15:11	12/02/23 23:50	1
d7-N-MeFOSE-M	57		10 - 150	11/22/23 15:11	12/02/23 23:50	1
d9-N-EtFOSE-M	58		10 - 150	11/22/23 15:11	12/02/23 23:50	1
M2-4:2 FTS	87		25 - 150	11/22/23 15:11	12/02/23 23:50	1
M2-6:2 FTS	78		25 - 150	11/22/23 15:11	12/02/23 23:50	1
M2-8:2 FTS	87		25 - 150	11/22/23 15:11	12/02/23 23:50	1
13C3 HFPO-DA	77		25 - 150	11/22/23 15:11	12/02/23 23:50	1

Client Sample ID: EB-01-202311

Lab Sample ID: 320-106878-57

Date Collected: 11/06/23 08:20

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

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		11/29/23 11:43	12/01/23 02:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	112		25 - 150	11/29/23 11:43	12/01/23 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		11/29/23 11:43	12/06/23 18:49	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		11/29/23 11:43	12/06/23 18:49	1
NEtFOSA	<0.83		1.9	0.83	ng/L		11/29/23 11:43	12/06/23 18:49	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/29/23 11:43	12/06/23 18:49	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-01-202311

Lab Sample ID: 320-106878-57

Date Collected: 11/06/23 08:20

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	<1.1		4.8	1.1	ng/L		11/29/23 11:43	12/06/23 18:49	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		11/29/23 11:43	12/06/23 18:49	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/29/23 11:43	12/06/23 18:49	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 18:49	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 18:49	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/29/23 11:43	12/06/23 18:49	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/29/23 11:43	12/06/23 18:49	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/29/23 11:43	12/06/23 18:49	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 18:49	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 18:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C5 PFPeA	105		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C2 PFHxA	139		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C4 PFHpA	147		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C4 PFOA	118		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C5 PFNA	114		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C2 PFDA	139		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C2 PFUnA	138		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C2 PFDoA	186	*5+	25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C2 PFTeDA	141		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C3 PFBS	115		25 - 150				11/29/23 11:43	12/06/23 18:49	1
18O2 PFHxS	89		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C4 PFOS	137		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C8 FOSA	133		10 - 150				11/29/23 11:43	12/06/23 18:49	1
d3-NMeFOSAA	151	*5+	25 - 150				11/29/23 11:43	12/06/23 18:49	1
d5-NEtFOSAA	154	*5+	25 - 150				11/29/23 11:43	12/06/23 18:49	1
d-N-MeFOSA-M	117		10 - 150				11/29/23 11:43	12/06/23 18:49	1
d-N-EtFOSA-M	105		10 - 150				11/29/23 11:43	12/06/23 18:49	1
d7-N-MeFOSE-M	145		10 - 150				11/29/23 11:43	12/06/23 18:49	1
d9-N-EtFOSE-M	122		10 - 150				11/29/23 11:43	12/06/23 18:49	1
M2-4:2 FTS	103		25 - 150				11/29/23 11:43	12/06/23 18:49	1
M2-6:2 FTS	101		25 - 150				11/29/23 11:43	12/06/23 18:49	1
M2-8:2 FTS	122		25 - 150				11/29/23 11:43	12/06/23 18:49	1
13C3 HFPO-DA	125		25 - 150				11/29/23 11:43	12/06/23 18:49	1

Client Sample ID: EB-02-202311

Lab Sample ID: 320-106878-58

Date Collected: 11/06/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/29/23 11:43	12/06/23 19:00	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-02-202311

Lab Sample ID: 320-106878-58

Date Collected: 11/06/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		11/29/23 11:43	12/06/23 19:00	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		11/29/23 11:43	12/06/23 19:00	1
NEtFOSA	<0.82		1.9	0.82	ng/L		11/29/23 11:43	12/06/23 19:00	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/29/23 11:43	12/06/23 19:00	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/29/23 11:43	12/06/23 19:00	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/29/23 11:43	12/06/23 19:00	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/29/23 11:43	12/06/23 19:00	1
NEtFOSE	<0.80		1.9	0.80	ng/L		11/29/23 11:43	12/06/23 19:00	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:00	1
6:2 FTS	<2.4		4.7	2.4	ng/L		11/29/23 11:43	12/06/23 19:00	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/29/23 11:43	12/06/23 19:00	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/29/23 11:43	12/06/23 19:00	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:00	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C5 PFPeA	99		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C2 PFHxA	144		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C4 PFHpA	139		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C4 PFOA	112		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C5 PFNA	114		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C2 PFDA	151	*5+	25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C2 PFUnA	120		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C2 PFDoA	129		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C2 PFTeDA	140		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C3 PFBS	111		25 - 150	11/29/23 11:43	12/06/23 19:00	1
18O2 PFHxS	90		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C4 PFOS	135		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C8 FOSA	146		10 - 150	11/29/23 11:43	12/06/23 19:00	1
d3-NMeFOSAA	142		25 - 150	11/29/23 11:43	12/06/23 19:00	1
d5-NEtFOSAA	98		25 - 150	11/29/23 11:43	12/06/23 19:00	1
d-N-MeFOSA-M	103		10 - 150	11/29/23 11:43	12/06/23 19:00	1
d-N-EtFOSA-M	87		10 - 150	11/29/23 11:43	12/06/23 19:00	1
d7-N-MeFOSE-M	120		10 - 150	11/29/23 11:43	12/06/23 19:00	1
d9-N-EtFOSE-M	112		10 - 150	11/29/23 11:43	12/06/23 19:00	1
M2-4:2 FTS	93		25 - 150	11/29/23 11:43	12/06/23 19:00	1
M2-6:2 FTS	107		25 - 150	11/29/23 11:43	12/06/23 19:00	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-02-202311

Lab Sample ID: 320-106878-58

Date Collected: 11/06/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	131		25 - 150	11/29/23 11:43	12/06/23 19:00	1
13C3 HFPO-DA	122		25 - 150	11/29/23 11:43	12/06/23 19:00	1

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

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		11/29/23 11:43	12/08/23 11:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	94		25 - 150	11/29/23 11:43	12/08/23 11:08	1

Client Sample ID: EB-03-202311

Lab Sample ID: 320-106878-59

Date Collected: 11/06/23 12:55

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		11/29/23 11:43	12/06/23 19:11	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		11/29/23 11:43	12/06/23 19:11	1
NEtFOSA	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 19:11	1
NMeFOSA	<0.40		1.9	0.40	ng/L		11/29/23 11:43	12/06/23 19:11	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/29/23 11:43	12/06/23 19:11	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/29/23 11:43	12/06/23 19:11	1
NMeFOSE	<1.3		3.7	1.3	ng/L		11/29/23 11:43	12/06/23 19:11	1
NEtFOSE	<0.79		1.9	0.79	ng/L		11/29/23 11:43	12/06/23 19:11	1
4:2 FTS	<0.22		1.9	0.22	ng/L		11/29/23 11:43	12/06/23 19:11	1
6:2 FTS	<2.3		4.7	2.3	ng/L		11/29/23 11:43	12/06/23 19:11	1
8:2 FTS	<0.43		1.9	0.43	ng/L		11/29/23 11:43	12/06/23 19:11	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		11/29/23 11:43	12/06/23 19:11	1
9CI-PF3ONS	<0.22		1.9	0.22	ng/L		11/29/23 11:43	12/06/23 19:11	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:11	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-03-202311

Lab Sample ID: 320-106878-59

Date Collected: 11/06/23 12:55

Matrix: Water

Date Received: 11/09/23 09:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C5 PFPeA	96		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C2 PFHxA	125		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C4 PFHpA	125		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C4 PFOA	108		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C5 PFNA	101		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C2 PFDA	129		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C2 PFUnA	110		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C2 PFDoA	158	*5+	25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C2 PFTeDA	120		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C3 PFBS	96		25 - 150	11/29/23 11:43	12/06/23 19:11	1
18O2 PFHxS	82		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C4 PFOS	122		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C8 FOSA	120		10 - 150	11/29/23 11:43	12/06/23 19:11	1
d3-NMeFOSAA	129		25 - 150	11/29/23 11:43	12/06/23 19:11	1
d5-NEtFOSAA	119		25 - 150	11/29/23 11:43	12/06/23 19:11	1
d-N-MeFOSA-M	100		10 - 150	11/29/23 11:43	12/06/23 19:11	1
d-N-EtFOSA-M	93		10 - 150	11/29/23 11:43	12/06/23 19:11	1
d7-N-MeFOSE-M	120		10 - 150	11/29/23 11:43	12/06/23 19:11	1
d9-N-EtFOSE-M	107		10 - 150	11/29/23 11:43	12/06/23 19:11	1
M2-4:2 FTS	88		25 - 150	11/29/23 11:43	12/06/23 19:11	1
M2-6:2 FTS	89		25 - 150	11/29/23 11:43	12/06/23 19:11	1
M2-8:2 FTS	107		25 - 150	11/29/23 11:43	12/06/23 19:11	1
13C3 HFPO-DA	109		25 - 150	11/29/23 11:43	12/06/23 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		11/29/23 11:43	12/08/23 11:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	105		25 - 150	11/29/23 11:43	12/08/23 11:20	1

Client Sample ID: EB-04-202311

Lab Sample ID: 320-106878-60

Date Collected: 11/06/23 13:55

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		11/29/23 11:43	12/01/23 02:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	122		25 - 150	11/29/23 11:43	12/01/23 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		11/29/23 11:43	12/06/23 19:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-04-202311

Lab Sample ID: 320-106878-60

Date Collected: 11/06/23 13:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		11/29/23 11:43	12/06/23 19:23	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		11/29/23 11:43	12/06/23 19:23	1
NEtFOSA	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 19:23	1
NMeFOSA	<0.40		1.9	0.40	ng/L		11/29/23 11:43	12/06/23 19:23	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/29/23 11:43	12/06/23 19:23	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/29/23 11:43	12/06/23 19:23	1
NMeFOSE	<1.3		3.7	1.3	ng/L		11/29/23 11:43	12/06/23 19:23	1
NEtFOSE	<0.79		1.9	0.79	ng/L		11/29/23 11:43	12/06/23 19:23	1
4:2 FTS	<0.22		1.9	0.22	ng/L		11/29/23 11:43	12/06/23 19:23	1
6:2 FTS	<2.3		4.7	2.3	ng/L		11/29/23 11:43	12/06/23 19:23	1
8:2 FTS	<0.43		1.9	0.43	ng/L		11/29/23 11:43	12/06/23 19:23	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		11/29/23 11:43	12/06/23 19:23	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		11/29/23 11:43	12/06/23 19:23	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C5 PFPeA	97		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C2 PFHxA	124		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C4 PFHpA	127		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C4 PFOA	101		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C5 PFNA	98		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C2 PFDA	129		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C2 PFUnA	109		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C2 PFDoA	141		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C2 PFTeDA	120		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C3 PFBS	103		25 - 150				11/29/23 11:43	12/06/23 19:23	1
18O2 PFHxS	83		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C4 PFOS	119		25 - 150				11/29/23 11:43	12/06/23 19:23	1
13C8 FOSA	123		10 - 150				11/29/23 11:43	12/06/23 19:23	1
d3-NMeFOSAA	139		25 - 150				11/29/23 11:43	12/06/23 19:23	1
d5-NEtFOSAA	104		25 - 150				11/29/23 11:43	12/06/23 19:23	1
d-N-MeFOSA-M	87		10 - 150				11/29/23 11:43	12/06/23 19:23	1
d-N-EtFOSA-M	82		10 - 150				11/29/23 11:43	12/06/23 19:23	1
d7-N-MeFOSE-M	105		10 - 150				11/29/23 11:43	12/06/23 19:23	1
d9-N-EtFOSE-M	101		10 - 150				11/29/23 11:43	12/06/23 19:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-04-202311

Lab Sample ID: 320-106878-60

Date Collected: 11/06/23 13:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	92		25 - 150	11/29/23 11:43	12/06/23 19:23	1
M2-6:2 FTS	96		25 - 150	11/29/23 11:43	12/06/23 19:23	1
M2-8:2 FTS	120		25 - 150	11/29/23 11:43	12/06/23 19:23	1
13C3 HFPO-DA	109		25 - 150	11/29/23 11:43	12/06/23 19:23	1

Client Sample ID: EB-05-202311

Lab Sample ID: 320-106878-61

Date Collected: 11/07/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

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		11/29/23 11:43	12/01/23 02:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	126		25 - 150	11/29/23 11:43	12/01/23 02:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		11/29/23 11:43	12/06/23 19:34	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		11/29/23 11:43	12/06/23 19:34	1
NEtFOSA	<0.84		1.9	0.84	ng/L		11/29/23 11:43	12/06/23 19:34	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/29/23 11:43	12/06/23 19:34	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		11/29/23 11:43	12/06/23 19:34	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		11/29/23 11:43	12/06/23 19:34	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/29/23 11:43	12/06/23 19:34	1
NEtFOSE	<0.82		1.9	0.82	ng/L		11/29/23 11:43	12/06/23 19:34	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:34	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/29/23 11:43	12/06/23 19:34	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/29/23 11:43	12/06/23 19:34	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/29/23 11:43	12/06/23 19:34	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-05-202311

Lab Sample ID: 320-106878-61

Date Collected: 11/07/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:34	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 19:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C5 PFPeA	103		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C2 PFHxA	129		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C4 PFHpA	130		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C4 PFOA	111		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C5 PFNA	107		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C2 PFDA	129		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C2 PFUnA	117		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C2 PFDoA	168	*5+	25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C2 PFTeDA	125		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C3 PFBS	103		25 - 150				11/29/23 11:43	12/06/23 19:34	1
18O2 PFHxS	88		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C4 PFOS	122		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C8 FOSA	122		10 - 150				11/29/23 11:43	12/06/23 19:34	1
d3-NMeFOSAA	146		25 - 150				11/29/23 11:43	12/06/23 19:34	1
d5-NEtFOSAA	122		25 - 150				11/29/23 11:43	12/06/23 19:34	1
d-N-MeFOSA-M	92		10 - 150				11/29/23 11:43	12/06/23 19:34	1
d-N-EtFOSA-M	84		10 - 150				11/29/23 11:43	12/06/23 19:34	1
d7-N-MeFOSE-M	115		10 - 150				11/29/23 11:43	12/06/23 19:34	1
d9-N-EtFOSE-M	105		10 - 150				11/29/23 11:43	12/06/23 19:34	1
M2-4:2 FTS	91		25 - 150				11/29/23 11:43	12/06/23 19:34	1
M2-6:2 FTS	79		25 - 150				11/29/23 11:43	12/06/23 19:34	1
M2-8:2 FTS	116		25 - 150				11/29/23 11:43	12/06/23 19:34	1
13C3 HFPO-DA	116		25 - 150				11/29/23 11:43	12/06/23 19:34	1

Client Sample ID: EB-06-202311

Lab Sample ID: 320-106878-62

Date Collected: 11/07/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

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		11/29/23 11:43	12/01/23 03:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	111		25 - 150				11/29/23 11:43	12/01/23 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/29/23 11:43	12/06/23 19:46	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-06-202311

Lab Sample ID: 320-106878-62

Date Collected: 11/07/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		11/29/23 11:43	12/06/23 19:46	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		11/29/23 11:43	12/06/23 19:46	1
NEtFOSA	<0.83		1.9	0.83	ng/L		11/29/23 11:43	12/06/23 19:46	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/29/23 11:43	12/06/23 19:46	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		11/29/23 11:43	12/06/23 19:46	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		11/29/23 11:43	12/06/23 19:46	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/29/23 11:43	12/06/23 19:46	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 19:46	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:46	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/29/23 11:43	12/06/23 19:46	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/29/23 11:43	12/06/23 19:46	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/29/23 11:43	12/06/23 19:46	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:46	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C5 PFPeA	95		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C2 PFHxA	128		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C4 PFHpA	126		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C4 PFOA	105		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C5 PFNA	96		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C2 PFDA	126		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C2 PFUnA	110		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C2 PFDoA	147		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C2 PFTeDA	125		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C3 PFBS	99		25 - 150	11/29/23 11:43	12/06/23 19:46	1
18O2 PFHxS	84		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C4 PFOS	115		25 - 150	11/29/23 11:43	12/06/23 19:46	1
13C8 FOSA	117		10 - 150	11/29/23 11:43	12/06/23 19:46	1
d3-NMeFOSAA	130		25 - 150	11/29/23 11:43	12/06/23 19:46	1
d5-NEtFOSAA	118		25 - 150	11/29/23 11:43	12/06/23 19:46	1
d-N-MeFOSA-M	100		10 - 150	11/29/23 11:43	12/06/23 19:46	1
d-N-EtFOSA-M	92		10 - 150	11/29/23 11:43	12/06/23 19:46	1
d7-N-MeFOSE-M	120		10 - 150	11/29/23 11:43	12/06/23 19:46	1
d9-N-EtFOSE-M	111		10 - 150	11/29/23 11:43	12/06/23 19:46	1
M2-4:2 FTS	89		25 - 150	11/29/23 11:43	12/06/23 19:46	1
M2-6:2 FTS	90		25 - 150	11/29/23 11:43	12/06/23 19:46	1
M2-8:2 FTS	116		25 - 150	11/29/23 11:43	12/06/23 19:46	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-06-202311

Lab Sample ID: 320-106878-62

Date Collected: 11/07/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	112		25 - 150	11/29/23 11:43	12/06/23 19:46	1

Client Sample ID: EB-07-202311

Lab Sample ID: 320-106878-63

Date Collected: 11/07/23 13:20

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorohexanoic acid (PFHxA)	<0.57		1.9	0.57	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		1.9	0.56	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		1.9	0.53	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		1.9	0.95	ng/L		11/29/23 11:43	12/06/23 19:57	1
Perfluorooctanesulfonamide (FOSA)	<0.96		1.9	0.96	ng/L		11/29/23 11:43	12/06/23 19:57	1
NEtFOSA	<0.85		1.9	0.85	ng/L		11/29/23 11:43	12/06/23 19:57	1
NMeFOSA	<0.42		1.9	0.42	ng/L		11/29/23 11:43	12/06/23 19:57	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		11/29/23 11:43	12/06/23 19:57	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		11/29/23 11:43	12/06/23 19:57	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/29/23 11:43	12/06/23 19:57	1
NEtFOSE	<0.83		1.9	0.83	ng/L		11/29/23 11:43	12/06/23 19:57	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:57	1
6:2 FTS	<2.4		4.9	2.4	ng/L		11/29/23 11:43	12/06/23 19:57	1
8:2 FTS	<0.45		1.9	0.45	ng/L		11/29/23 11:43	12/06/23 19:57	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/29/23 11:43	12/06/23 19:57	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 19:57	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/29/23 11:43	12/06/23 19:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C5 PFPeA	96		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C2 PFHxA	127		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C4 PFHpA	126		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C4 PFOA	103		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C5 PFNA	104		25 - 150	11/29/23 11:43	12/06/23 19:57	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-07-202311

Lab Sample ID: 320-106878-63

Date Collected: 11/07/23 13:20

Matrix: Water

Date Received: 11/09/23 09:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	121		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C2 PFUnA	122		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C2 PFDoA	156	*5+	25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C2 PFTeDA	127		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C3 PFBS	103		25 - 150	11/29/23 11:43	12/06/23 19:57	1
18O2 PFHxS	82		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C4 PFOS	116		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C8 FOSA	120		10 - 150	11/29/23 11:43	12/06/23 19:57	1
d3-NMeFOSAA	124		25 - 150	11/29/23 11:43	12/06/23 19:57	1
d5-NEtFOSAA	121		25 - 150	11/29/23 11:43	12/06/23 19:57	1
d-N-MeFOSA-M	103		10 - 150	11/29/23 11:43	12/06/23 19:57	1
d-N-EtFOSA-M	93		10 - 150	11/29/23 11:43	12/06/23 19:57	1
d7-N-MeFOSE-M	121		10 - 150	11/29/23 11:43	12/06/23 19:57	1
d9-N-EtFOSE-M	105		10 - 150	11/29/23 11:43	12/06/23 19:57	1
M2-4:2 FTS	86		25 - 150	11/29/23 11:43	12/06/23 19:57	1
M2-6:2 FTS	88		25 - 150	11/29/23 11:43	12/06/23 19:57	1
M2-8:2 FTS	102		25 - 150	11/29/23 11:43	12/06/23 19:57	1
13C3 HFPO-DA	109		25 - 150	11/29/23 11:43	12/06/23 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		11/29/23 11:43	12/08/23 12:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	106		25 - 150	11/29/23 11:43	12/08/23 12:05	1

Client Sample ID: EB-08-202311

Lab Sample ID: 320-106878-64

Date Collected: 11/08/23 08:00

Matrix: Water

Date Received: 11/09/23 09:45

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

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		11/29/23 11:43	12/01/23 03:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	125		25 - 150	11/29/23 11:43	12/01/23 03:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		11/29/23 11:43	12/06/23 20:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-08-202311

Lab Sample ID: 320-106878-64

Date Collected: 11/08/23 08:00

Matrix: Water

Date Received: 11/09/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		11/29/23 11:43	12/06/23 20:31	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		11/29/23 11:43	12/06/23 20:31	1
NEtFOSA	<0.82		1.9	0.82	ng/L		11/29/23 11:43	12/06/23 20:31	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/29/23 11:43	12/06/23 20:31	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/29/23 11:43	12/06/23 20:31	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/29/23 11:43	12/06/23 20:31	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/29/23 11:43	12/06/23 20:31	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/29/23 11:43	12/06/23 20:31	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 20:31	1
6:2 FTS	<2.4		4.7	2.4	ng/L		11/29/23 11:43	12/06/23 20:31	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/29/23 11:43	12/06/23 20:31	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/29/23 11:43	12/06/23 20:31	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/29/23 11:43	12/06/23 20:31	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/29/23 11:43	12/06/23 20:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C5 PFPeA	103		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C2 PFHxA	132		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C4 PFHpA	137		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C4 PFOA	106		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C5 PFNA	108		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C2 PFDA	132		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C2 PFUnA	131		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C2 PFDoA	163	*5+	25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C2 PFTeDA	130		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C3 PFBS	109		25 - 150	11/29/23 11:43	12/06/23 20:31	1
18O2 PFHxS	88		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C4 PFOS	126		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C8 FOSA	132		10 - 150	11/29/23 11:43	12/06/23 20:31	1
d3-NMeFOSAA	154	*5+	25 - 150	11/29/23 11:43	12/06/23 20:31	1
d5-NEtFOSAA	137		25 - 150	11/29/23 11:43	12/06/23 20:31	1
d-N-MeFOSA-M	121		10 - 150	11/29/23 11:43	12/06/23 20:31	1
d-N-EtFOSA-M	113		10 - 150	11/29/23 11:43	12/06/23 20:31	1
d7-N-MeFOSE-M	133		10 - 150	11/29/23 11:43	12/06/23 20:31	1
d9-N-EtFOSE-M	127		10 - 150	11/29/23 11:43	12/06/23 20:31	1
M2-4:2 FTS	101		25 - 150	11/29/23 11:43	12/06/23 20:31	1
M2-6:2 FTS	88		25 - 150	11/29/23 11:43	12/06/23 20:31	1
M2-8:2 FTS	125		25 - 150	11/29/23 11:43	12/06/23 20:31	1
13C3 HFPO-DA	120		25 - 150	11/29/23 11:43	12/06/23 20:31	1

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Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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)
320-106878-1	MP-01-(277-293)-202311	104	94	99	100	95	98	96	97
320-106878-2	MP-01-(253-274)-202311	104	83	96	90	99	94	90	96
320-106878-3	MP-01-(223-250)-202311	108	84	99	97	103	103	101	108
320-106878-4	MP-01-(198-220)-202311	113	98	106	109	103	98	106	111
320-106878-5	MP-01-(155-195)-202311						149	145	148
320-106878-5 - DL	MP-01-(155-195)-202311	102	82	97	92	96			
320-106878-6	MP-01-(121-152)-202311							137	142
320-106878-6 - DL	MP-01-(121-152)-202311	93	89	89	89	98	100		
320-106878-7	MP-01-(091-118)-202311						130	125	124
320-106878-7 - DL	MP-01-(091-118)-202311	100	91	103	92	97			
320-106878-8	MP-01-(051-088)-202311						133	116	129
320-106878-8 - DL	MP-01-(051-088)-202311	89	82	87	91	97			
320-106878-9	MP-02-(279-300)-202311	93	82	92	89	100	98	95	98
320-106878-10	MP-02-(253-276)-202311	100	82	88	88	100	95	96	89
320-106878-11	MP-02-(223-250)-202311	97	90	96	99	97	97	92	92
320-106878-12	MP-02-(198-220)-202311	102	89	101	103	106	109	104	103
320-106878-12 - DL	MP-02-(198-220)-202311								
320-106878-13	MP-02-(153-195)-202311	100	81	92	91	95	91	94	90
320-106878-13 - DL	MP-02-(153-195)-202311								
320-106878-14	MP-03-(280-300)-202311	103	94	97	96	103	100	101	86
320-106878-15	MP-03-(245-277)-202311	69	68	75	71	75	78	67	59
320-106878-16	MP-03-(220-242)-202311	79	66	72	72	79	71	73	64
320-106878-17	MP-03-(190-217)-202311	110	86	92	92	100	94	102	94
320-106878-17 - DL	MP-03-(190-217)-202311								
320-106878-18	MP-03-(160-187)-202311	107	85	93	90	97	92	94	88
320-106878-19	MP-03-(120-157)-202311	104	90	97	96	102	104	106	98
320-106878-19 - RA	MP-03-(120-157)-202311								
320-106878-20	MP-03-(083-117)-202311	92	83	95	88	94	93	91	83
320-106878-21	MP-03-(046-080)-202311	99	73	89	84	98	93	94	93
320-106878-21 - RA	MP-03-(046-080)-202311								
320-106878-22	MP-04-(275-291)-202311	92	83	84	85	96	95	96	87
320-106878-22 - RA	MP-04-(275-291)-202311								
320-106878-23	MP-04-(245-272)-202311	90	87	85	93	99	88	93	84
320-106878-24	MP-04-(220-242)-202311	103	92	102	100	100	94	96	92
320-106878-25	MP-04-(195-217)-202311	102	85	92	93	100	97	100	93
320-106878-26	MP-04-(155-192)-202311	102	98	96	101	102	110	104	107
320-106878-26 - DL	MP-04-(155-192)-202311								
320-106878-27	MP-04-(115-152)-202311	124	88	111	113	102	120	115	111
320-106878-27 - DL	MP-04-(115-152)-202311		84	95		104			
320-106878-28	MP-04-(080-112)-202311	99			86	99	100	102	92
320-106878-28 - DL	MP-04-(080-112)-202311		93	102					
320-106878-29	MP-04-(048-077)-202311	99	96	107	96	111	99	95	94
320-106878-30	MP-05-(SWL-065)-202311	112	97	104	102	107	105	109	86
320-106878-31	MP-06-(148-178)-202311	80	57	85	82	75	78	82	79
320-106878-32	MP-06-(113-145)-202311	81	58	84	79	76	76	80	77
320-106878-33	MP-06-(073-110)-202311	101	76	113	110	109	118	125	123
320-106878-34	MP-06-(036-070)-202311	93	67	100	101	101	103	105	104
320-106878-35	MP-06-(021-033)-202311	63		69	73	76	75	77	75
320-106878-35 - DL	MP-06-(021-033)-202311		51						

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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)
320-106878-36	MP-07-(220-258)-202311	72	55	77	77	71	74	71	70
320-106878-37	MP-07-(195-217)-202311	95	67	105	104	104	106	121	115
320-106878-38	MP-07-(155-192)-202311	92	73	113	118	116	116	137	133
320-106878-39	MP-07-(115-152)-202311	89	53	102	101	97	99	107	91
320-106878-39 - DL	MP-07-(115-152)-202311								
320-106878-40	MP-07-(080-112)-202311	100	79	117	115	110	119	122	117
320-106878-41	MP-07-(048-077)-202311	84	63	91	95	92	91	98	90
320-106878-42	MP-08-(220-246)-202311	83	65	99	95	95	97	97	99
320-106878-43	MP-08-(195-217)-202311	79	60	91	89	88	87	83	82
320-106878-44	MP-08-(155-192)-202311	87	68	104	102	106	108	116	116
320-106878-45	MP-08-(115-152)-202311	94	77	115	115	112	115	125	122
320-106878-46	MP-08-(080-112)-202311	94	73	121	121	119	126	128	133
320-106878-47	MP-08-(048-077)-202311	92	67	101	98	95	97	97	105
320-106878-48	DUP-01-202311	81	57	87	84	83	83	84	80
320-106878-49	DUP-02-202311	81	55	83	81	77	81	84	79
320-106878-50	DUP-03-202311	81	59	84	85	85	87	89	84
320-106878-51	DUP-04-202311	78			83	78	80	80	82
320-106878-51 - DL	DUP-04-202311		52	83					
320-106878-52	DUP-05-202311	61		72	71	68	71	70	69
320-106878-52 - DL	DUP-05-202311		44						
320-106878-53	DUP-06-202311	81	59	84	84	78	74	85	75
320-106878-54	DUP-07-202311	76	52	87	81	81	77	86	86
320-106878-54 - DL	DUP-07-202311								
320-106878-55	DUP-08-202311	70	54	83	79	76	75	75	78
320-106878-56	FB-01-202311	79	64	83	81	78	79	85	80
320-106878-57	EB-01-202311								
320-106878-57 - RA	EB-01-202311	97	105	139	147	118	114	139	138
320-106878-58	EB-02-202311	95	99	144	139	112	114	151 *5+	120
320-106878-58 - RA	EB-02-202311								
320-106878-59	EB-03-202311	85	96	125	125	108	101	129	110
320-106878-59 - RA	EB-03-202311								
320-106878-60	EB-04-202311								
320-106878-60 - RA	EB-04-202311	84	97	124	127	101	98	129	109
320-106878-61	EB-05-202311								
320-106878-61 - RA	EB-05-202311	84	103	129	130	111	107	129	117
320-106878-62	EB-06-202311								
320-106878-62 - RA	EB-06-202311	80	95	128	126	105	96	126	110
320-106878-63	EB-07-202311	84	96	127	126	103	104	121	122
320-106878-63 - RA	EB-07-202311								
320-106878-64	EB-08-202311								
320-106878-64 - RA	EB-08-202311	93	103	132	137	106	108	132	131
LCS 320-721381/3-A	Lab Control Sample	107	89	102	102	103	105	107	110
LCS 320-722459/3-A	Lab Control Sample	82	55	74	76	74	72	70	71
LCS 320-723587/3-A	Lab Control Sample								
LCS 320-723587/3-A - RA	Lab Control Sample	81	96	118	120	107	116	135	123
LCS 320-724087/3-A	Lab Control Sample	94	62	106	106	99	102	107	110
LCSD 320-721381/4-A	Lab Control Sample Dup	95	92	92	96	100	100	96	95
LCSD 320-722459/4-A	Lab Control Sample Dup	73	52	76	69	67	62	66	64
LCSD 320-724087/4-A	Lab Control Sample Dup	94	56	101	98	96	100	108	105
LLCS 320-721381/2-A	Lab Control Sample	100	87	99	93	98	90	98	92

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
LLCS 320-722019/2-A	Lab Control Sample	98	83	101	98	103	91	94	97
LLCS 320-722459/2-A	Lab Control Sample	120	95	132	137	143	151 *5+	162 *5+	177 *5+
LLCS 320-722462/2-A	Lab Control Sample	84	64	83	85	83	86	84	91
LLCS 320-723587/2-A	Lab Control Sample								
LLCS 320-723587/2-A - RA	Lab Control Sample	84	93	128	125	108	111	132	123
LLCS 320-724087/2-A	Lab Control Sample	93	57	105	108	99	106	111	107
LLCSD 320-722019/3-A	Lab Control Sample Dup	95	86	98	97	104	91	100	94
LLCSD 320-722462/3-A	Lab Control Sample Dup	92	65	88	94	89	88	85	97
MB 320-721381/1-A	Method Blank	110	97	115	98	104	114	108	107
MB 320-722019/1-A	Method Blank	103	83	104	100	106	102	101	100
MB 320-722459/1-A	Method Blank	102	85	117	123	118	129	137	142
MB 320-722462/1-A	Method Blank	102	87	103	118	118	118	130	138
MB 320-723587/1-A	Method Blank								
MB 320-723587/1-A - RA	Method Blank	90	108	136	139	115	106	140	137
MB 320-724087/1-A	Method Blank	89	56	101	95	97	97	105	99

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-106878-1	MP-01-(277-293)-202311	91	78	97	105	99	101	91	102
320-106878-2	MP-01-(253-274)-202311	93	87	89	102	107	98	93	104
320-106878-3	MP-01-(223-250)-202311	99	101	89	108	102	104	98	104
320-106878-4	MP-01-(198-220)-202311	97	93	95	109	113	105	96	125
320-106878-5	MP-01-(155-195)-202311		134	134				146	
320-106878-5 - DL	MP-01-(155-195)-202311	83			103	95	102		95
320-106878-6	MP-01-(121-152)-202311	140	133	129			145	137	
320-106878-6 - DL	MP-01-(121-152)-202311				100	111			90
320-106878-7	MP-01-(091-118)-202311	128	112	111	128	134	127	130	130
320-106878-7 - DL	MP-01-(091-118)-202311								
320-106878-8	MP-01-(051-088)-202311	128	116	114	135	140	129	117	126
320-106878-8 - DL	MP-01-(051-088)-202311								
320-106878-9	MP-02-(279-300)-202311	98	94	90	103	101	95	91	100
320-106878-10	MP-02-(253-276)-202311	92	85	95	101	102	99	97	101
320-106878-11	MP-02-(223-250)-202311	84	82	91	107	104	99	85	82
320-106878-12	MP-02-(198-220)-202311	102	94	96	109	111	111	96	94
320-106878-12 - DL	MP-02-(198-220)-202311								
320-106878-13	MP-02-(153-195)-202311	89	80	89	93	107	100	82	87
320-106878-13 - DL	MP-02-(153-195)-202311								
320-106878-14	MP-03-(280-300)-202311	70	56	94	105	107	100	78	74
320-106878-15	MP-03-(245-277)-202311	50	49	66	78	75	75	55	51
320-106878-16	MP-03-(220-242)-202311	53	47	68	82	75	74	58	55
320-106878-17	MP-03-(190-217)-202311	93	89	94	105	106	101	90	99
320-106878-17 - DL	MP-03-(190-217)-202311								
320-106878-18	MP-03-(160-187)-202311	89	70	90	105	98	102	79	84
320-106878-19	MP-03-(120-157)-202311	90	91	92	109	111	107	92	102
320-106878-19 - RA	MP-03-(120-157)-202311								
320-106878-20	MP-03-(083-117)-202311	83	83	85	95	95	98	72	81
320-106878-21	MP-03-(046-080)-202311	87	83	89	97	96	99	86	82
320-106878-21 - RA	MP-03-(046-080)-202311								
320-106878-22	MP-04-(275-291)-202311	92	83	78	97	96	96	92	87
320-106878-22 - RA	MP-04-(275-291)-202311								

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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 _o A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFH _x S (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-106878-23	MP-04-(245-272)-202311	79	72	82	93	92	90	78	78
320-106878-24	MP-04-(220-242)-202311	86	74	92	108	103	103	83	85
320-106878-25	MP-04-(195-217)-202311	98	87	92	107	102	103	89	88
320-106878-26	MP-04-(155-192)-202311	105	90	102	108	115	116	96	103
320-106878-26 - DL	MP-04-(155-192)-202311								
320-106878-27	MP-04-(115-152)-202311	99	94	109	127	122	125	101	108
320-106878-27 - DL	MP-04-(115-152)-202311								
320-106878-28	MP-04-(080-112)-202311	93	91	94	103	108	107	86	88
320-106878-28 - DL	MP-04-(080-112)-202311								
320-106878-29	MP-04-(048-077)-202311	97	86	101	105	107	107	86	91
320-106878-30	MP-05-(SWL-065)-202311	65	59	97	110	109	113	81	78
320-106878-31	MP-06-(148-178)-202311	65	55	66	68	70	73	76	64
320-106878-32	MP-06-(113-145)-202311	70	57	73	76	73	72	77	74
320-106878-33	MP-06-(073-110)-202311	108	94	94	111	114	107	101	95
320-106878-34	MP-06-(036-070)-202311	100	89	86	97	96	91	89	88
320-106878-35	MP-06-(021-033)-202311	64	58	62	65	70	69	64	68
320-106878-35 - DL	MP-06-(021-033)-202311								
320-106878-36	MP-07-(220-258)-202311	67	56	63	64	64	69	68	60
320-106878-37	MP-07-(195-217)-202311	104	90	90	102	104	100	94	101
320-106878-38	MP-07-(155-192)-202311	127	112	93	113	120	114	109	103
320-106878-39	MP-07-(115-152)-202311	97	88	77	90	99	93	83	74
320-106878-39 - DL	MP-07-(115-152)-202311								
320-106878-40	MP-07-(080-112)-202311	110	100	104	114	114	106	99	93
320-106878-41	MP-07-(048-077)-202311	80	79	80	88	90	86	74	75
320-106878-42	MP-08-(220-246)-202311	92	81	77	90	93	90	80	82
320-106878-43	MP-08-(195-217)-202311	77	71	75	83	81	80	77	77
320-106878-44	MP-08-(155-192)-202311	108	104	89	103	103	99	95	93
320-106878-45	MP-08-(115-152)-202311	119	109	102	115	113	112	111	104
320-106878-46	MP-08-(080-112)-202311	115	110	99	112	126	106	108	103
320-106878-47	MP-08-(048-077)-202311	89	78	89	93	96	93	65	90
320-106878-48	DUP-01-202311	69	56	74	77	80	74	55	72
320-106878-49	DUP-02-202311	66	59	71	74	71	71	48	73
320-106878-50	DUP-03-202311	76	64	71	77	80	80	78	76
320-106878-51	DUP-04-202311	66	58	69	74	74	76	67	73
320-106878-51 - DL	DUP-04-202311								
320-106878-52	DUP-05-202311	58	45	56	62	62	69	65	64
320-106878-52 - DL	DUP-05-202311								
320-106878-53	DUP-06-202311	69	59	70	70	73	77	57	75
320-106878-54	DUP-07-202311	71	58	66	70	72	76	72	71
320-106878-54 - DL	DUP-07-202311								
320-106878-55	DUP-08-202311	72	56	68	70	68	70	71	77
320-106878-56	FB-01-202311	71	60	68	72	76	69	66	63
320-106878-57	EB-01-202311					112			
320-106878-57 - RA	EB-01-202311	186 *5+	141	115	89	137	133	151 *5+	154 *5+
320-106878-58	EB-02-202311	129	140	111	90	135	146	142	98
320-106878-58 - RA	EB-02-202311					94			
320-106878-59	EB-03-202311	158 *5+	120	96	82	122	120	129	119
320-106878-59 - RA	EB-03-202311					105			
320-106878-60	EB-04-202311					122			
320-106878-60 - RA	EB-04-202311	141	120	103	83	119	123	139	104

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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 _o A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-106878-61	EB-05-202311					126			
320-106878-61 - RA	EB-05-202311	168 *5+	125	103	88	122	122	146	122
320-106878-62	EB-06-202311					111			
320-106878-62 - RA	EB-06-202311	147	125	99	84	115	117	130	118
320-106878-63	EB-07-202311	156 *5+	127	103	82	116	120	124	121
320-106878-63 - RA	EB-07-202311					106			
320-106878-64	EB-08-202311					125			
320-106878-64 - RA	EB-08-202311	163 *5+	130	109	88	126	132	154 *5+	137
LCS 320-721381/3-A	Lab Control Sample	93	84	95	106	107	101	103	99
LCS 320-722459/3-A	Lab Control Sample	64	59	66	67	67	59	70	61
LCS 320-723587/3-A	Lab Control Sample					115			
LCS 320-723587/3-A - RA	Lab Control Sample	144	113	87	86	131	135	133	124
LCS 320-724087/3-A	Lab Control Sample	103	92	83	90	101	92	85	73
LCSD 320-721381/4-A	Lab Control Sample Dup	89	80	90	102	104	88	92	83
LCSD 320-722459/4-A	Lab Control Sample Dup	62	55	56	60	57	59	62	58
LCSD 320-724087/4-A	Lab Control Sample Dup	104	85	76	88	96	90	87	74
LLCS 320-721381/2-A	Lab Control Sample	91	80	92	101	98	95	88	96
LLCS 320-722019/2-A	Lab Control Sample	88	89	88	100	108	93	83	87
LLCS 320-722459/2-A	Lab Control Sample	160 *5+	155 *5+	121	140	154 *5+	139	122	128
LLCS 320-722462/2-A	Lab Control Sample	82	71	77	79	82	79	81	81
LLCS 320-723587/2-A	Lab Control Sample					112			
LLCS 320-723587/2-A - RA	Lab Control Sample	161 *5+	127	98	84	132	117	129	124
LLCS 320-724087/2-A	Lab Control Sample	108	90	79	96	104	87	80	69
LLCSD 320-722019/3-A	Lab Control Sample Dup	86	85	98	95	102	92	86	86
LLCSD 320-722462/3-A	Lab Control Sample Dup	93	80	78	85	83	81	85	88
MB 320-721381/1-A	Method Blank	92	99	99	114	116	101	104	110
MB 320-722019/1-A	Method Blank	91	89	92	108	108	100	88	85
MB 320-722459/1-A	Method Blank	131	129	107	125	131	113	118	117
MB 320-722462/1-A	Method Blank	130	125	103	115	116	117	115	116
MB 320-723587/1-A	Method Blank					122			
MB 320-723587/1-A - RA	Method Blank	173 *5+	132	107	91	132	131	134	131
MB 320-724087/1-A	Method Blank	101	83	69	87	89	91	81	74

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)
320-106878-1	MP-01-(277-293)-202311	79	74	75	77	98	106	106	90
320-106878-2	MP-01-(253-274)-202311	74	70	79	79	104	105	93	91
320-106878-3	MP-01-(223-250)-202311	75	82	76	86	121	112	150	92
320-106878-4	MP-01-(198-220)-202311	88	83	84	87	104	105	118	96
320-106878-5	MP-01-(155-195)-202311	121	128	122	127	139			143
320-106878-5 - DL	MP-01-(155-195)-202311						162 *5+	109	
320-106878-6	MP-01-(121-152)-202311	118	118	113	117	140			143
320-106878-6 - DL	MP-01-(121-152)-202311						136	95	
320-106878-7	MP-01-(091-118)-202311	114	106	100	107	129			122
320-106878-7 - DL	MP-01-(091-118)-202311						130	86	
320-106878-8	MP-01-(051-088)-202311	111	101	109	104	123			122
320-106878-8 - DL	MP-01-(051-088)-202311						148	108	
320-106878-9	MP-02-(279-300)-202311	73	77	70	76	86	95	155 *5+	89
320-106878-10	MP-02-(253-276)-202311	74	74	70	77	98	100	127	89
320-106878-11	MP-02-(223-250)-202311	77	70	76	74	73	87	93	91

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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)
320-106878-12	MP-02-(198-220)-202311	84	77	83	84	91		136	98
320-106878-12 - DL	MP-02-(198-220)-202311						103		
320-106878-13	MP-02-(153-195)-202311	74	68	73	70	76		85	90
320-106878-13 - DL	MP-02-(153-195)-202311						101		
320-106878-14	MP-03-(280-300)-202311	70	61	57	52	84	81	101	94
320-106878-15	MP-03-(245-277)-202311	49	46	40	37	62	62	100	67
320-106878-16	MP-03-(220-242)-202311	48	43	38	41	53	69	110	68
320-106878-17	MP-03-(190-217)-202311	73	76	65	74	87	95		92
320-106878-17 - DL	MP-03-(190-217)-202311							120	
320-106878-18	MP-03-(160-187)-202311	75	68	71	69	71	78	89	92
320-106878-19	MP-03-(120-157)-202311	75	79	66	82	81	90		92
320-106878-19 - RA	MP-03-(120-157)-202311							135	
320-106878-20	MP-03-(083-117)-202311	78	73	75	69	79	80	76	85
320-106878-21	MP-03-(046-080)-202311	80	73	75	75	72	73		85
320-106878-21 - RA	MP-03-(046-080)-202311							107	
320-106878-22	MP-04-(275-291)-202311	77	74	70	83	71	74		84
320-106878-22 - RA	MP-04-(275-291)-202311							134	
320-106878-23	MP-04-(245-272)-202311	71	64	70	70	76	78	89	85
320-106878-24	MP-04-(220-242)-202311	84	78	74	72	81	93	96	93
320-106878-25	MP-04-(195-217)-202311	80	79	79	78	77	79	183 *5+	92
320-106878-26	MP-04-(155-192)-202311	91	87	81	84	80		159 *5+	101
320-106878-26 - DL	MP-04-(155-192)-202311						117		
320-106878-27	MP-04-(115-152)-202311	101	89	91	88	86	84	115	110
320-106878-27 - DL	MP-04-(115-152)-202311						121		
320-106878-28	MP-04-(080-112)-202311	81	74	83	79	72		108	97
320-106878-28 - DL	MP-04-(080-112)-202311						125		
320-106878-29	MP-04-(048-077)-202311	88	85	82	86	78	83	142	94
320-106878-30	MP-05-(SWL-065)-202311	75	63	59	55	83	92	94	100
320-106878-31	MP-06-(148-178)-202311	64	57	51	50	86	72	77	76
320-106878-32	MP-06-(113-145)-202311	63	60	51	52	79	73	83	81
320-106878-33	MP-06-(073-110)-202311	94	86	86	86	114	98	121	109
320-106878-34	MP-06-(036-070)-202311	79	74	73	77	98	76	92	97
320-106878-35	MP-06-(021-033)-202311	53	50	50	47	66	67	69	73
320-106878-35 - DL	MP-06-(021-033)-202311								
320-106878-36	MP-07-(220-258)-202311	61	56	50	47	71	62	70	73
320-106878-37	MP-07-(195-217)-202311	87	83	84	79	94	89	98	100
320-106878-38	MP-07-(155-192)-202311	96	93	101	98	101	100	122	111
320-106878-39	MP-07-(115-152)-202311	74	69	79	75	88		102	99
320-106878-39 - DL	MP-07-(115-152)-202311						79		
320-106878-40	MP-07-(080-112)-202311	84	80	86	83	89	98	118	114
320-106878-41	MP-07-(048-077)-202311	70	64	64	62	81	77	82	89
320-106878-42	MP-08-(220-246)-202311	79	69	72	71	85	72	97	90
320-106878-43	MP-08-(195-217)-202311	69	62	63	62	78	72	84	85
320-106878-44	MP-08-(155-192)-202311	92	83	92	89	80	84	105	101
320-106878-45	MP-08-(115-152)-202311	100	99	106	96	83	96	119	112
320-106878-46	MP-08-(080-112)-202311	104	96	104	95	92	91	137	112
320-106878-47	MP-08-(048-077)-202311	70	72	73	69	90	92	111	95
320-106878-48	DUP-01-202311	60	55	55	52	83	80	91	80
320-106878-49	DUP-02-202311	59	61	51	49	91	72	95	79
320-106878-50	DUP-03-202311	72	62	56	53	74	83	97	83

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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)
320-106878-51	DUP-04-202311	64	61	54	54	80		88	80
320-106878-51 - DL	DUP-04-202311						95		
320-106878-52	DUP-05-202311	52	45	40	38	75	65	84	69
320-106878-52 - DL	DUP-05-202311								
320-106878-53	DUP-06-202311	66	59	54	53	88	75	102	82
320-106878-54	DUP-07-202311	64	59	53	52	88		96	80
320-106878-54 - DL	DUP-07-202311						72		
320-106878-55	DUP-08-202311	66	60	54	51	66	76	86	76
320-106878-56	FB-01-202311	68	65	57	58	87	78	87	77
320-106878-57	EB-01-202311								
320-106878-57 - RA	EB-01-202311	117	105	145	122	103	101	122	125
320-106878-58	EB-02-202311	103	87	120	112	93	107	131	122
320-106878-58 - RA	EB-02-202311								
320-106878-59	EB-03-202311	100	93	120	107	88	89	107	109
320-106878-59 - RA	EB-03-202311								
320-106878-60	EB-04-202311								
320-106878-60 - RA	EB-04-202311	87	82	105	101	92	96	120	109
320-106878-61	EB-05-202311								
320-106878-61 - RA	EB-05-202311	92	84	115	105	91	79	116	116
320-106878-62	EB-06-202311								
320-106878-62 - RA	EB-06-202311	100	92	120	111	89	90	116	112
320-106878-63	EB-07-202311	103	93	121	105	86	88	102	109
320-106878-63 - RA	EB-07-202311								
320-106878-64	EB-08-202311								
320-106878-64 - RA	EB-08-202311	121	113	133	127	101	88	125	120
LCS 320-721381/3-A	Lab Control Sample	83	83	85	78	108	118	112	97
LCS 320-722459/3-A	Lab Control Sample	58	52	53	52	83	68	73	76
LCS 320-723587/3-A	Lab Control Sample								
LCS 320-723587/3-A - RA	Lab Control Sample	101	94	123	104	84	82	107	109
LCS 320-724087/3-A	Lab Control Sample	66	61	80	76	95	89	115	104
LCSD 320-721381/4-A	Lab Control Sample Dup	76	73	77	72	102	106	97	91
LCSD 320-722459/4-A	Lab Control Sample Dup	56	51	48	44	69	58	59	66
LCSD 320-724087/4-A	Lab Control Sample Dup	76	74	80	75	90	83	114	101
LLCS 320-721381/2-A	Lab Control Sample	77	74	79	83	104	114	101	90
LLCS 320-722019/2-A	Lab Control Sample	70	66	78	74	72	87	76	92
LLCS 320-722459/2-A	Lab Control Sample	136	135	137	144	125	119	152 *5+	134
LLCS 320-722462/2-A	Lab Control Sample	72	67	70	64	95	77	90	86
LLCS 320-723587/2-A	Lab Control Sample								
LLCS 320-723587/2-A - RA	Lab Control Sample	88	84	111	100	90	91	114	112
LLCS 320-724087/2-A	Lab Control Sample	77	75	80	79	103	86	120	101
LLCSD 320-722019/3-A	Lab Control Sample Dup	74	70	72	73	69	73	74	88
LLCSD 320-722462/3-A	Lab Control Sample Dup	77	72	71	70	89	83	85	87
MB 320-721381/1-A	Method Blank	73	68	87	86	107	122	111	101
MB 320-722019/1-A	Method Blank	83	75	80	78	81	84	82	98
MB 320-722459/1-A	Method Blank	111	113	120	118	109	103	131	114
MB 320-722462/1-A	Method Blank	111	109	113	109	101	107	140	111
MB 320-723587/1-A	Method Blank								
MB 320-723587/1-A - RA	Method Blank	106	104	134	119	99	98	101	120
MB 320-724087/1-A	Method Blank	73	70	75	74	92	80	109	94

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Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
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: 320-106878-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-721381/1-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721381

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		11/18/23 07:56	11/20/23 11:39	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		11/18/23 07:56	11/20/23 11:39	1
NEtFOSA	<0.87		2.0	0.87	ng/L		11/18/23 07:56	11/20/23 11:39	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/18/23 07:56	11/20/23 11:39	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/18/23 07:56	11/20/23 11:39	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/18/23 07:56	11/20/23 11:39	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/18/23 07:56	11/20/23 11:39	1
NEtFOSE	<0.85		2.0	0.85	ng/L		11/18/23 07:56	11/20/23 11:39	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/18/23 07:56	11/20/23 11:39	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/18/23 07:56	11/20/23 11:39	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/18/23 07:56	11/20/23 11:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/18/23 07:56	11/20/23 11:39	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/18/23 07:56	11/20/23 11:39	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/18/23 07:56	11/20/23 11:39	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/18/23 07:56	11/20/23 11:39	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	110		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C5 PFPeA	97		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C2 PFHxA	115		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C4 PFHpA	98		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C4 PFOA	104		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C5 PFNA	114		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C2 PFDA	108		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C2 PFUnA	107		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C2 PFDoA	92		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C2 PFTeDA	99		25 - 150	11/18/23 07:56	11/20/23 11:39	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-721381/1-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 721381

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	99		25 - 150	11/18/23 07:56	11/20/23 11:39	1
18O2 PFHxS	114		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C4 PFOS	116		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C8 FOSA	101		10 - 150	11/18/23 07:56	11/20/23 11:39	1
d3-NMeFOSAA	104		25 - 150	11/18/23 07:56	11/20/23 11:39	1
d5-NEtFOSAA	110		25 - 150	11/18/23 07:56	11/20/23 11:39	1
d-N-MeFOSA-M	73		10 - 150	11/18/23 07:56	11/20/23 11:39	1
d-N-EtFOSA-M	68		10 - 150	11/18/23 07:56	11/20/23 11:39	1
d7-N-MeFOSE-M	87		10 - 150	11/18/23 07:56	11/20/23 11:39	1
d9-N-EtFOSE-M	86		10 - 150	11/18/23 07:56	11/20/23 11:39	1
M2-4:2 FTS	107		25 - 150	11/18/23 07:56	11/20/23 11:39	1
M2-6:2 FTS	122		25 - 150	11/18/23 07:56	11/20/23 11:39	1
M2-8:2 FTS	111		25 - 150	11/18/23 07:56	11/20/23 11:39	1
13C3 HFPO-DA	101		25 - 150	11/18/23 07:56	11/20/23 11:39	1

Lab Sample ID: LCS 320-721381/3-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	34.3		ng/L		86	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	43.2		ng/L		108	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.1		ng/L		95	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.1		ng/L		100	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.7		ng/L		94	60 - 135
Perfluorononanoic acid (PFNA)	40.0	41.8		ng/L		105	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.1		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	36.3		ng/L		91	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.0		ng/L		100	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	38.6		ng/L		96	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.3		ng/L		91	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	32.5		ng/L		92	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	38.9		ng/L		103	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.6		ng/L		89	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.2		ng/L		100	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.9		ng/L		97	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.1		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	37.6		ng/L		97	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.2		ng/L		96	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-721381/3-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	37.7		ng/L		94	60 - 135
NEtFOSA	40.0	38.3		ng/L		96	60 - 135
NMeFOSA	40.0	38.3		ng/L		96	60 - 135
NMeFOSAA	40.0	39.6		ng/L		99	60 - 135
NEtFOSAA	40.0	40.5		ng/L		101	60 - 135
NMeFOSE	40.0	35.8		ng/L		89	60 - 135
NEtFOSE	40.0	43.7		ng/L		109	60 - 135
4:2 FTS	37.5	35.5		ng/L		95	60 - 135
6:2 FTS	38.1	32.7		ng/L		86	60 - 135
8:2 FTS	38.4	35.9		ng/L		93	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.8		ng/L		92	60 - 135
HFPO-DA (GenX)	40.0	35.6		ng/L		89	60 - 135
9Cl-PF3ONS	37.4	35.3		ng/L		95	60 - 135
11Cl-PF3OUdS	37.8	37.5		ng/L		99	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	107		25 - 150
13C5 PFPeA	89		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	110		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	95		25 - 150
18O2 PFHxS	106		25 - 150
13C4 PFOS	107		25 - 150
13C8 FOSA	101		10 - 150
d3-NMeFOSAA	103		25 - 150
d5-NEtFOSAA	99		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	85		10 - 150
d9-N-EtFOSE-M	78		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	118		25 - 150
M2-8:2 FTS	112		25 - 150
13C3 HFPO-DA	97		25 - 150

Lab Sample ID: LCSD 320-721381/4-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721381

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	40.1		ng/L		100	60 - 135	16	30

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCSD 320-721381/4-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721381

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	40.0	42.1		ng/L		105	60 - 135	2	30
Perfluorohexanoic acid (PFHxA)	40.0	41.3		ng/L		103	60 - 135	8	30
Perfluoroheptanoic acid (PFHpA)	40.0	40.8		ng/L		102	60 - 135	2	30
Perfluorooctanoic acid (PFOA)	40.0	35.3		ng/L		88	60 - 135	6	30
Perfluorononanoic acid (PFNA)	40.0	42.6		ng/L		106	60 - 135	2	30
Perfluorodecanoic acid (PFDA)	40.0	44.7		ng/L		112	60 - 135	8	30
Perfluoroundecanoic acid (PFUnA)	40.0	40.7		ng/L		102	60 - 135	12	30
Perfluorododecanoic acid (PFDoA)	40.0	43.4		ng/L		109	60 - 135	8	30
Perfluorotridecanoic acid (PFTrDA)	40.0	36.7		ng/L		92	60 - 135	5	30
Perfluorotetradecanoic acid (PFTeA)	40.0	36.3		ng/L		91	60 - 135	0	30
Perfluorobutanesulfonic acid (PFBS)	35.5	35.2		ng/L		99	60 - 135	8	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.5		ng/L		108	60 - 135	4	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.8		ng/L		93	60 - 135	3	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.6		ng/L		96	60 - 135	4	30
Perfluorooctanesulfonic acid (PFOS)	37.2	36.8		ng/L		99	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)	38.5	37.1		ng/L		97	60 - 135	0	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.6		ng/L		95	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.7		ng/L		87	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)	40.0	41.6		ng/L		104	60 - 135	10	30
NEtFOSA	40.0	41.2		ng/L		103	60 - 135	7	30
NMeFOSA	40.0	41.0		ng/L		102	60 - 135	7	30
NMeFOSAA	40.0	41.8		ng/L		104	60 - 135	5	30
NEtFOSAA	40.0	41.7		ng/L		104	60 - 135	3	30
NMeFOSE	40.0	36.4		ng/L		91	60 - 135	2	30
NEtFOSE	40.0	44.0		ng/L		110	60 - 135	1	30
4:2 FTS	37.5	37.9		ng/L		101	60 - 135	7	30
6:2 FTS	38.1	35.2		ng/L		92	60 - 135	7	30
8:2 FTS	38.4	42.7		ng/L		111	60 - 135	17	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.5		ng/L		94	60 - 135	2	30
HFPO-DA (GenX)	40.0	38.7		ng/L		97	60 - 135	8	30
9Cl-PF3ONS	37.4	35.9		ng/L		96	60 - 135	2	30
11Cl-PF3OUdS	37.8	36.9		ng/L		98	60 - 135	1	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	95		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	92		25 - 150
13C4 PFHpA	96		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCSD 320-721381/4-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 721381

<i>Isotope Dilution</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
13C4 PFOA	100		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	96		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	89		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	90		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	88		10 - 150
d3-NMeFOSAA	92		25 - 150
d5-NEtFOSAA	83		25 - 150
d-N-MeFOSA-M	76		10 - 150
d-N-EtFOSA-M	73		10 - 150
d7-N-MeFOSE-M	77		10 - 150
d9-N-EtFOSE-M	72		10 - 150
M2-4:2 FTS	102		25 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	97		25 - 150
13C3 HFPO-DA	91		25 - 150

Lab Sample ID: LLCS 320-721381/2-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721381

<i>Analyte</i>	<i>Spike Added</i>	<i>LLCS Result</i>	<i>LLCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
Perfluorobutanoic acid (PFBA)	8.00	7.93		ng/L		99	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	8.59		ng/L		107	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	9.17		ng/L		115	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.84		ng/L		110	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	7.46		ng/L		93	50 - 150
Perfluorononanoic acid (PFNA)	8.00	9.57		ng/L		120	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	9.45		ng/L		118	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.54		ng/L		107	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.26		ng/L		103	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.59		ng/L		95	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.51		ng/L		94	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	6.95		ng/L		98	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.17		ng/L		109	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.23		ng/L		99	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.27		ng/L		108	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.26		ng/L		111	50 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-721381/2-A
Matrix: Water
Analysis Batch: 721765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 721381

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	7.70	8.25		ng/L		107	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	8.61		ng/L		112	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.84		ng/L		101	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	8.47		ng/L		106	50 - 150
NEtFOSA	8.00	8.00		ng/L		100	50 - 150
NMeFOSA	8.00	7.94		ng/L		99	50 - 150
NMeFOSAA	8.00	8.84		ng/L		110	50 - 150
NEtFOSAA	8.00	8.36		ng/L		105	50 - 150
NMeFOSE	8.00	7.87		ng/L		98	50 - 150
NEtFOSE	8.00	8.10		ng/L		101	50 - 150
4:2 FTS	7.50	8.34		ng/L		111	50 - 150
6:2 FTS	7.62	6.97		ng/L		92	50 - 150
8:2 FTS	7.68	8.52		ng/L		111	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.47		ng/L		112	50 - 150
HFPO-DA (GenX)	8.00	7.93		ng/L		99	50 - 150
9CI-PF3ONS	7.47	7.51		ng/L		101	50 - 150
11CI-PF3OUdS	7.55	8.44		ng/L		112	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	LLCS Limits
13C4 PFBA	100		25 - 150
13C5 PFPeA	87		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	93		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	90		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	91		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	101		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	96		25 - 150
d-N-MeFOSA-M	77		10 - 150
d-N-EtFOSA-M	74		10 - 150
d7-N-MeFOSE-M	79		10 - 150
d9-N-EtFOSE-M	83		10 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	114		25 - 150
M2-8:2 FTS	101		25 - 150
13C3 HFPO-DA	90		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-722019/1-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722019

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		11/21/23 12:06	11/23/23 00:48	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		11/21/23 12:06	11/23/23 00:48	1
NEtFOSA	<0.87		2.0	0.87	ng/L		11/21/23 12:06	11/23/23 00:48	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/21/23 12:06	11/23/23 00:48	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/21/23 12:06	11/23/23 00:48	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/21/23 12:06	11/23/23 00:48	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/21/23 12:06	11/23/23 00:48	1
NEtFOSE	<0.85		2.0	0.85	ng/L		11/21/23 12:06	11/23/23 00:48	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 00:48	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/21/23 12:06	11/23/23 00:48	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/21/23 12:06	11/23/23 00:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/21/23 12:06	11/23/23 00:48	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/21/23 12:06	11/23/23 00:48	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/21/23 12:06	11/23/23 00:48	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/21/23 12:06	11/23/23 00:48	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	103		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C5 PFPeA	83		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C2 PFHxA	104		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C4 PFHpA	100		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C4 PFOA	106		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C5 PFNA	102		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C2 PFDA	101		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C2 PFUnA	100		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C2 PFDoA	91		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C2 PFTeDA	89		25 - 150	11/21/23 12:06	11/23/23 00:48	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-722019/1-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722019

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	92		25 - 150	11/21/23 12:06	11/23/23 00:48	1
18O2 PFHxS	108		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C4 PFOS	108		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C8 FOSA	100		10 - 150	11/21/23 12:06	11/23/23 00:48	1
d3-NMeFOSAA	88		25 - 150	11/21/23 12:06	11/23/23 00:48	1
d5-NEtFOSAA	85		25 - 150	11/21/23 12:06	11/23/23 00:48	1
d-N-MeFOSA-M	83		10 - 150	11/21/23 12:06	11/23/23 00:48	1
d-N-EtFOSA-M	75		10 - 150	11/21/23 12:06	11/23/23 00:48	1
d7-N-MeFOSE-M	80		10 - 150	11/21/23 12:06	11/23/23 00:48	1
d9-N-EtFOSE-M	78		10 - 150	11/21/23 12:06	11/23/23 00:48	1
M2-4:2 FTS	81		25 - 150	11/21/23 12:06	11/23/23 00:48	1
M2-6:2 FTS	84		25 - 150	11/21/23 12:06	11/23/23 00:48	1
M2-8:2 FTS	82		25 - 150	11/21/23 12:06	11/23/23 00:48	1
13C3 HFPO-DA	98		25 - 150	11/21/23 12:06	11/23/23 00:48	1

Lab Sample ID: LLCS 320-722019/2-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722019

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	8.00	7.30		ng/L		91	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	7.96		ng/L		100	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.11		ng/L		101	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.85		ng/L		98	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	7.17		ng/L		90	50 - 150
Perfluorononanoic acid (PFNA)	8.00	8.88		ng/L		111	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	9.09		ng/L		114	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	7.96		ng/L		99	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.93		ng/L		112	50 - 150
Perfluorotridecanoic acid (PFTrDA)	8.00	7.77		ng/L		97	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.05		ng/L		88	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	6.60		ng/L		93	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.47		ng/L		113	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.93		ng/L		95	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.01		ng/L		92	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.27		ng/L		98	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	6.88		ng/L		89	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.24		ng/L		94	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	6.91		ng/L		89	50 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-722019/2-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722019

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	8.00	8.31		ng/L		104	50 - 150
NEtFOSA	8.00	7.16		ng/L		89	50 - 150
NMeFOSA	8.00	7.27		ng/L		91	50 - 150
NMeFOSAA	8.00	8.39		ng/L		105	50 - 150
NEtFOSAA	8.00	8.46		ng/L		106	50 - 150
NMeFOSE	8.00	7.63		ng/L		95	50 - 150
NEtFOSE	8.00	7.97		ng/L		100	50 - 150
4:2 FTS	7.50	8.53		ng/L		114	50 - 150
6:2 FTS	7.62	5.83		ng/L		77	50 - 150
8:2 FTS	7.68	7.99		ng/L		104	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.11		ng/L		94	50 - 150
HFPO-DA (GenX)	8.00	7.69		ng/L		96	50 - 150
9Cl-PF3ONS	7.47	6.63		ng/L		89	50 - 150
11Cl-PF3OUdS	7.55	7.14		ng/L		95	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	98		25 - 150
13C5 PFPeA	83		25 - 150
13C2 PFHxA	101		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	97		25 - 150
13C2 PFDoA	88		25 - 150
13C2 PFTeDA	89		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	108		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	83		25 - 150
d5-NEtFOSAA	87		25 - 150
d-N-MeFOSA-M	70		10 - 150
d-N-EtFOSA-M	66		10 - 150
d7-N-MeFOSE-M	78		10 - 150
d9-N-EtFOSE-M	74		10 - 150
M2-4:2 FTS	72		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	76		25 - 150
13C3 HFPO-DA	92		25 - 150

Lab Sample ID: LLCSD 320-722019/3-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722019

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	8.00	7.61		ng/L		95	50 - 150	4	30

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCSD 320-722019/3-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722019

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	8.00	8.01		ng/L		100	50 - 150	0.6	30
Perfluorohexanoic acid (PFHxA)	8.00	7.63		ng/L		95	50 - 150	6	30
Perfluoroheptanoic acid (PFHpA)	8.00	7.10		ng/L		89	50 - 150	10	30
Perfluorooctanoic acid (PFOA)	8.00	6.66		ng/L		83	50 - 150	7	30
Perfluorononanoic acid (PFNA)	8.00	8.14		ng/L		102	50 - 150	9	30
Perfluorodecanoic acid (PFDA)	8.00	8.30		ng/L		104	50 - 150	9	30
Perfluoroundecanoic acid (PFUnA)	8.00	7.63		ng/L		95	50 - 150	4	30
Perfluorododecanoic acid (PFDoA)	8.00	9.10		ng/L		114	50 - 150	2	30
Perfluorotridecanoic acid (PFTrDA)	8.00	7.41		ng/L		93	50 - 150	5	30
Perfluorotetradecanoic acid (PFTeA)	8.00	7.43		ng/L		93	50 - 150	5	30
Perfluorobutanesulfonic acid (PFBS)	7.10	6.16		ng/L		87	50 - 150	7	30
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.32		ng/L		97	50 - 150	15	30
Perfluorohexanesulfonic acid (PFHxS)	7.30	6.77		ng/L		93	50 - 150	2	30
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.67		ng/L		101	50 - 150	9	30
Perfluorooctanesulfonic acid (PFOS)	7.44	7.59		ng/L		102	50 - 150	4	30
Perfluorononanesulfonic acid (PFNS)	7.70	7.10		ng/L		92	50 - 150	3	30
Perfluorodecanesulfonic acid (PFDS)	7.71	7.31		ng/L		95	50 - 150	1	30
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.28		ng/L		94	50 - 150	5	30
Perfluorooctanesulfonamide (FOSA)	8.00	7.48		ng/L		93	50 - 150	11	30
NEtFOSA	8.00	7.02		ng/L		88	50 - 150	2	30
NMeFOSA	8.00	7.20		ng/L		90	50 - 150	1	30
NMeFOSAA	8.00	8.08		ng/L		101	50 - 150	4	30
NEtFOSAA	8.00	8.30		ng/L		104	50 - 150	2	30
NMeFOSE	8.00	7.74		ng/L		97	50 - 150	1	30
NEtFOSE	8.00	8.27		ng/L		103	50 - 150	4	30
4:2 FTS	7.50	6.85		ng/L		91	50 - 150	22	30
6:2 FTS	7.62	7.24		ng/L		95	50 - 150	21	30
8:2 FTS	7.68	8.11		ng/L		106	50 - 150	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.46		ng/L		99	50 - 150	5	30
HFPO-DA (GenX)	8.00	7.42		ng/L		93	50 - 150	4	30
9Cl-PF3ONS	7.47	6.42		ng/L		86	50 - 150	3	30
11Cl-PF3OUdS	7.55	7.43		ng/L		98	50 - 150	4	30

Isotope Dilution	LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	95		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	98		25 - 150
13C4 PFHpA	97		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCSD 320-722019/3-A
Matrix: Water
Analysis Batch: 722367

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722019

Isotope Dilution	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	104		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	86		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	95		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	92		10 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	86		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	70		10 - 150
d7-N-MeFOSE-M	72		10 - 150
d9-N-EtFOSE-M	73		10 - 150
M2-4:2 FTS	69		25 - 150
M2-6:2 FTS	73		25 - 150
M2-8:2 FTS	74		25 - 150
13C3 HFPO-DA	88		25 - 150

Lab Sample ID: MB 320-722459/1-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722459

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		11/22/23 14:58	12/02/23 15:33	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		11/22/23 14:58	12/02/23 15:33	1
NEtFOSA	<0.87		2.0	0.87	ng/L		11/22/23 14:58	12/02/23 15:33	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-722459/1-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722459

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		11/22/23 14:58	12/02/23 15:33	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/22/23 14:58	12/02/23 15:33	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/22/23 14:58	12/02/23 15:33	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/22/23 14:58	12/02/23 15:33	1
NEtFOSE	<0.85		2.0	0.85	ng/L		11/22/23 14:58	12/02/23 15:33	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/22/23 14:58	12/02/23 15:33	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/22/23 14:58	12/02/23 15:33	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/22/23 14:58	12/02/23 15:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/22/23 14:58	12/02/23 15:33	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/22/23 14:58	12/02/23 15:33	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/22/23 14:58	12/02/23 15:33	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/22/23 14:58	12/02/23 15:33	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C5 PFPeA	85		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C2 PFHxA	117		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C4 PFHpA	123		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C4 PFOA	118		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C5 PFNA	129		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C2 PFDA	137		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C2 PFUnA	142		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C2 PFDoA	131		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C2 PFTeDA	129		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C3 PFBS	107		25 - 150	11/22/23 14:58	12/02/23 15:33	1
18O2 PFHxS	125		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C4 PFOS	131		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C8 FOSA	113		10 - 150	11/22/23 14:58	12/02/23 15:33	1
d3-NMeFOSAA	118		25 - 150	11/22/23 14:58	12/02/23 15:33	1
d5-NEtFOSAA	117		25 - 150	11/22/23 14:58	12/02/23 15:33	1
d-N-MeFOSA-M	111		10 - 150	11/22/23 14:58	12/02/23 15:33	1
d-N-EtFOSA-M	113		10 - 150	11/22/23 14:58	12/02/23 15:33	1
d7-N-MeFOSE-M	120		10 - 150	11/22/23 14:58	12/02/23 15:33	1
d9-N-EtFOSE-M	118		10 - 150	11/22/23 14:58	12/02/23 15:33	1
M2-4:2 FTS	109		25 - 150	11/22/23 14:58	12/02/23 15:33	1
M2-6:2 FTS	103		25 - 150	11/22/23 14:58	12/02/23 15:33	1
M2-8:2 FTS	131		25 - 150	11/22/23 14:58	12/02/23 15:33	1
13C3 HFPO-DA	114		25 - 150	11/22/23 14:58	12/02/23 15:33	1

Lab Sample ID: LCS 320-722459/3-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	160	143		ng/L		90	60 - 135
Perfluoropentanoic acid (PFPeA)	160	174		ng/L		109	60 - 135
Perfluorohexanoic acid (PFHxA)	160	153		ng/L		96	60 - 135
Perfluoroheptanoic acid (PFHpA)	160	158		ng/L		99	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-722459/3-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722459

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid (PFOA)	160	154		ng/L		96	60 - 135
Perfluorononanoic acid (PFNA)	160	155		ng/L		97	60 - 135
Perfluorodecanoic acid (PFDA)	160	152		ng/L		95	60 - 135
Perfluoroundecanoic acid (PFUnA)	160	157		ng/L		98	60 - 135
Perfluorododecanoic acid (PFDoA)	160	168		ng/L		105	60 - 135
Perfluorotridecanoic acid (PFTrDA)	160	153		ng/L		96	60 - 135
Perfluorotetradecanoic acid (PFTeA)	160	152		ng/L		95	60 - 135
Perfluorobutanesulfonic acid (PFBS)	142	141		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	150	158		ng/L		105	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	146	142		ng/L		97	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	153	154		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	149	149		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	154	157		ng/L		102	60 - 135
Perfluorodecanesulfonic acid (PFDS)	154	147		ng/L		95	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	155	147		ng/L		95	60 - 135
Perfluorooctanesulfonamide (FOSA)	160	172		ng/L		108	60 - 135
NEtFOSA	160	163		ng/L		102	60 - 135
NMeFOSA	160	158		ng/L		99	60 - 135
NMeFOSAA	160	152		ng/L		95	60 - 135
NEtFOSAA	160	172		ng/L		107	60 - 135
NMeFOSE	160	160		ng/L		100	60 - 135
NEtFOSE	160	171		ng/L		107	60 - 135
4:2 FTS	150	152		ng/L		101	60 - 135
6:2 FTS	152	157		ng/L		103	60 - 135
8:2 FTS	154	154		ng/L		100	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	169		ng/L		112	60 - 135
HFPO-DA (GenX)	160	156		ng/L		97	60 - 135
9Cl-PF3ONS	149	149		ng/L		100	60 - 135
11Cl-PF3OUdS	151	145		ng/L		96	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	82		25 - 150
13C5 PFPeA	55		25 - 150
13C2 PFHxA	74		25 - 150
13C4 PFHpA	76		25 - 150
13C4 PFOA	74		25 - 150
13C5 PFNA	72		25 - 150
13C2 PFDA	70		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-722459/3-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722459

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFUnA	71		25 - 150
13C2 PFDoA	64		25 - 150
13C2 PFTeDA	59		25 - 150
13C3 PFBS	66		25 - 150
18O2 PFHxS	67		25 - 150
13C4 PFOS	67		25 - 150
13C8 FOSA	59		10 - 150
d3-NMeFOSAA	70		25 - 150
d5-NEtFOSAA	61		25 - 150
d-N-MeFOSA-M	58		10 - 150
d-N-EtFOSA-M	52		10 - 150
d7-N-MeFOSE-M	53		10 - 150
d9-N-EtFOSE-M	52		10 - 150
M2-4:2 FTS	83		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	73		25 - 150
13C3 HFPO-DA	76		25 - 150

Lab Sample ID: LCSD 320-722459/4-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	160	141		ng/L		88	60 - 135	2	30	
Perfluoropentanoic acid (PFPeA)	160	175		ng/L		109	60 - 135	0	30	
Perfluorohexanoic acid (PFHxA)	160	154		ng/L		96	60 - 135	1	30	
Perfluoroheptanoic acid (PFHpA)	160	155		ng/L		97	60 - 135	2	30	
Perfluorooctanoic acid (PFOA)	160	154		ng/L		96	60 - 135	0	30	
Perfluorononanoic acid (PFNA)	160	153		ng/L		95	60 - 135	2	30	
Perfluorodecanoic acid (PFDA)	160	158		ng/L		99	60 - 135	4	30	
Perfluoroundecanoic acid (PFUnA)	160	157		ng/L		98	60 - 135	0	30	
Perfluorododecanoic acid (PFDoA)	160	156		ng/L		97	60 - 135	8	30	
Perfluorotridecanoic acid (PFTTrDA)	160	144		ng/L		90	60 - 135	6	30	
Perfluorotetradecanoic acid (PFTeA)	160	152		ng/L		95	60 - 135	0	30	
Perfluorobutanesulfonic acid (PFBS)	142	148		ng/L		104	60 - 135	4	30	
Perfluoropentanesulfonic acid (PFPeS)	150	169		ng/L		112	60 - 135	7	30	
Perfluorohexanesulfonic acid (PFHxS)	146	142		ng/L		97	60 - 135	0	30	
Perfluoroheptanesulfonic acid (PFHpS)	153	159		ng/L		104	60 - 135	3	30	
Perfluorooctanesulfonic acid (PFOS)	149	158		ng/L		106	60 - 135	6	30	
Perfluorononanesulfonic acid (PFNS)	154	163		ng/L		106	60 - 135	4	30	
Perfluorodecanesulfonic acid (PFDS)	154	155		ng/L		100	60 - 135	5	30	

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCSD 320-722459/4-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722459

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorododecanesulfonic acid (PFDoS)	155	163		ng/L		105	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)	160	159		ng/L		99	60 - 135	8	30
NEtFOSA	160	153		ng/L		96	60 - 135	6	30
NMeFOSA	160	158		ng/L		99	60 - 135	0	30
NMeFOSAA	160	165		ng/L		103	60 - 135	8	30
NEtFOSAA	160	171		ng/L		107	60 - 135	1	30
NMeFOSE	160	157		ng/L		98	60 - 135	2	30
NEtFOSE	160	178		ng/L		111	60 - 135	4	30
4:2 FTS	150	142		ng/L		95	60 - 135	7	30
6:2 FTS	152	172		ng/L		113	60 - 135	9	30
8:2 FTS	154	160		ng/L		104	60 - 135	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	151	179		ng/L		119	60 - 135	6	30
HFPO-DA (GenX)	160	157		ng/L		98	60 - 135	1	30
9CI-PF3ONS	149	151		ng/L		101	60 - 135	1	30
11CI-PF3OUdS	151	150		ng/L		99	60 - 135	3	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	73		25 - 150
13C5 PFPeA	52		25 - 150
13C2 PFHxA	76		25 - 150
13C4 PFHpA	69		25 - 150
13C4 PFOA	67		25 - 150
13C5 PFNA	62		25 - 150
13C2 PFDA	66		25 - 150
13C2 PFUnA	64		25 - 150
13C2 PFDoA	62		25 - 150
13C2 PFTeDA	55		25 - 150
13C3 PFBS	56		25 - 150
18O2 PFHxS	60		25 - 150
13C4 PFOS	57		25 - 150
13C8 FOSA	59		10 - 150
d3-NMeFOSAA	62		25 - 150
d5-NEtFOSAA	58		25 - 150
d-N-MeFOSA-M	56		10 - 150
d-N-EtFOSA-M	51		10 - 150
d7-N-MeFOSE-M	48		10 - 150
d9-N-EtFOSE-M	44		10 - 150
M2-4:2 FTS	69		25 - 150
M2-6:2 FTS	58		25 - 150
M2-8:2 FTS	59		25 - 150
13C3 HFPO-DA	66		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-722459/2-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722459

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	Limits	%Rec
								%Rec
Perfluorobutanoic acid (PFBA)	8.00	7.98		ng/L		100	50 - 150	
Perfluoropentanoic acid (PFPeA)	8.00	9.10		ng/L		114	50 - 150	
Perfluorohexanoic acid (PFHxA)	8.00	9.25		ng/L		116	50 - 150	
Perfluoroheptanoic acid (PFHpA)	8.00	8.46		ng/L		106	50 - 150	
Perfluorooctanoic acid (PFOA)	8.00	8.78		ng/L		110	50 - 150	
Perfluorononanoic acid (PFNA)	8.00	8.35		ng/L		104	50 - 150	
Perfluorodecanoic acid (PFDA)	8.00	8.89		ng/L		111	50 - 150	
Perfluoroundecanoic acid (PFUnA)	8.00	8.06		ng/L		101	50 - 150	
Perfluorododecanoic acid (PFDoA)	8.00	9.25		ng/L		116	50 - 150	
Perfluorotridecanoic acid (PFTTrDA)	8.00	8.49		ng/L		106	50 - 150	
Perfluorotetradecanoic acid (PFTeA)	8.00	8.00		ng/L		100	50 - 150	
Perfluorobutanesulfonic acid (PFBS)	7.10	7.78		ng/L		110	50 - 150	
Perfluoropentanesulfonic acid (PFPeS)	7.52	9.17		ng/L		122	50 - 150	
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.83		ng/L		107	50 - 150	
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.29		ng/L		109	50 - 150	
Perfluorooctanesulfonic acid (PFOS)	7.44	8.49		ng/L		114	50 - 150	
Perfluorononanesulfonic acid (PFNS)	7.70	8.68		ng/L		113	50 - 150	
Perfluorodecanesulfonic acid (PFDS)	7.71	8.21		ng/L		106	50 - 150	
Perfluorododecanesulfonic acid (PFDoS)	7.76	9.44		ng/L		122	50 - 150	
Perfluorooctanesulfonamide (FOSA)	8.00	9.05		ng/L		113	50 - 150	
NEtFOSA	8.00	8.03		ng/L		100	50 - 150	
NMeFOSA	8.00	8.69		ng/L		109	50 - 150	
NMeFOSAA	8.00	9.27		ng/L		116	50 - 150	
NEtFOSAA	8.00	9.17		ng/L		115	50 - 150	
NMeFOSE	8.00	8.58		ng/L		107	50 - 150	
NEtFOSE	8.00	9.17		ng/L		115	50 - 150	
4:2 FTS	7.50	8.31		ng/L		111	50 - 150	
6:2 FTS	7.62	8.84		ng/L		116	50 - 150	
8:2 FTS	7.68	9.03		ng/L		118	50 - 150	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.41		ng/L		98	50 - 150	
HFPO-DA (GenX)	8.00	8.45		ng/L		106	50 - 150	
9CI-PF3ONS	7.47	7.91		ng/L		106	50 - 150	
11CI-PF3OUdS	7.55	8.82		ng/L		117	50 - 150	
		LLCS	LLCS					
Isotope Dilution		%Recovery	Qualifier				Limits	
13C4 PFBA		120					25 - 150	
13C5 PFPeA		95					25 - 150	
13C2 PFHxA		132					25 - 150	

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-722459/2-A
Matrix: Water
Analysis Batch: 724508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722459

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	137		25 - 150
13C4 PFOA	143		25 - 150
13C5 PFNA	151	*5+	25 - 150
13C2 PFDA	162	*5+	25 - 150
13C2 PFUnA	177	*5+	25 - 150
13C2 PFDoA	160	*5+	25 - 150
13C2 PFTeDA	155	*5+	25 - 150
13C3 PFBS	121		25 - 150
18O2 PFHxS	140		25 - 150
13C4 PFOS	154	*5+	25 - 150
13C8 FOSA	139		10 - 150
d3-NMeFOSAA	122		25 - 150
d5-NEtFOSAA	128		25 - 150
d-N-MeFOSA-M	136		10 - 150
d-N-EtFOSA-M	135		10 - 150
d7-N-MeFOSE-M	137		10 - 150
d9-N-EtFOSE-M	144		10 - 150
M2-4:2 FTS	125		25 - 150
M2-6:2 FTS	119		25 - 150
M2-8:2 FTS	152	*5+	25 - 150
13C3 HFPO-DA	134		25 - 150

Lab Sample ID: MB 320-722462/1-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722462

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		11/22/23 15:11	12/02/23 21:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		11/22/23 15:11	12/02/23 21:23	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-722462/1-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.87		2.0	0.87	ng/L		11/22/23 15:11	12/02/23 21:23	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/22/23 15:11	12/02/23 21:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/22/23 15:11	12/02/23 21:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/22/23 15:11	12/02/23 21:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/22/23 15:11	12/02/23 21:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		11/22/23 15:11	12/02/23 21:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 21:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/22/23 15:11	12/02/23 21:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/22/23 15:11	12/02/23 21:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/22/23 15:11	12/02/23 21:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/22/23 15:11	12/02/23 21:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/22/23 15:11	12/02/23 21:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/22/23 15:11	12/02/23 21:23	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C5 PFPeA	87		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C2 PFHxA	103		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C4 PFHpA	118		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C4 PFOA	118		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C5 PFNA	118		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C2 PFDA	130		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C2 PFUnA	138		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C2 PFDoA	130		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C2 PFTeDA	125		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C3 PFBS	103		25 - 150	11/22/23 15:11	12/02/23 21:23	1
18O2 PFHxS	115		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C4 PFOS	116		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C8 FOSA	117		10 - 150	11/22/23 15:11	12/02/23 21:23	1
d3-NMeFOSAA	115		25 - 150	11/22/23 15:11	12/02/23 21:23	1
d5-NEtFOSAA	116		25 - 150	11/22/23 15:11	12/02/23 21:23	1
d-N-MeFOSA-M	111		10 - 150	11/22/23 15:11	12/02/23 21:23	1
d-N-EtFOSA-M	109		10 - 150	11/22/23 15:11	12/02/23 21:23	1
d7-N-MeFOSE-M	113		10 - 150	11/22/23 15:11	12/02/23 21:23	1
d9-N-EtFOSE-M	109		10 - 150	11/22/23 15:11	12/02/23 21:23	1
M2-4:2 FTS	101		25 - 150	11/22/23 15:11	12/02/23 21:23	1
M2-6:2 FTS	107		25 - 150	11/22/23 15:11	12/02/23 21:23	1
M2-8:2 FTS	140		25 - 150	11/22/23 15:11	12/02/23 21:23	1
13C3 HFPO-DA	111		25 - 150	11/22/23 15:11	12/02/23 21:23	1

Lab Sample ID: LLCS 320-722462/2-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722462

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.64		ng/L		96	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	8.41		ng/L		105	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	9.13		ng/L		114	50 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-722462/2-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722462

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	8.00	8.38		ng/L		105	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.44		ng/L		106	50 - 150
Perfluorononanoic acid (PFNA)	8.00	7.93		ng/L		99	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	8.79		ng/L		110	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.48		ng/L		106	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.71		ng/L		109	50 - 150
Perfluorotridecanoic acid (PFTrDA)	8.00	7.91		ng/L		99	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	7.72		ng/L		97	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.25		ng/L		102	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.63		ng/L		101	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.41		ng/L		102	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.94		ng/L		104	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	8.06		ng/L		108	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	8.16		ng/L		106	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.68		ng/L		100	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	8.23		ng/L		106	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	8.46		ng/L		106	50 - 150
NEtFOSA	8.00	7.94		ng/L		99	50 - 150
NMeFOSA	8.00	7.37		ng/L		92	50 - 150
NMeFOSAA	8.00	8.48		ng/L		106	50 - 150
NEtFOSAA	8.00	9.26		ng/L		116	50 - 150
NMeFOSE	8.00	7.31		ng/L		91	50 - 150
NEtFOSE	8.00	8.96		ng/L		112	50 - 150
4:2 FTS	7.50	7.29		ng/L		97	50 - 150
6:2 FTS	7.62	9.25		ng/L		121	50 - 150
8:2 FTS	7.68	7.88		ng/L		103	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.13		ng/L		107	50 - 150
HFPO-DA (GenX)	8.00	7.73		ng/L		97	50 - 150
9Cl-PF3ONS	7.47	7.46		ng/L		100	50 - 150
11Cl-PF3OUdS	7.55	7.88		ng/L		104	50 - 150
		LLCS	LLCS				
Isotope Dilution	%Recovery	Qualifier	Limits				
13C4 PFBA	84		25 - 150				
13C5 PFPeA	64		25 - 150				
13C2 PFHxA	83		25 - 150				
13C4 PFHpA	85		25 - 150				
13C4 PFOA	83		25 - 150				
13C5 PFNA	86		25 - 150				

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-722462/2-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722462

<u>Isotope Dilution</u>	<u>LLCS</u> <u>%Recovery</u>	<u>LLCS</u> <u>Qualifier</u>	<u>Limits</u>
13C2 PFDA	84		25 - 150
13C2 PFUnA	91		25 - 150
13C2 PFDoA	82		25 - 150
13C2 PFTeDA	71		25 - 150
13C3 PFBS	77		25 - 150
18O2 PFHxS	79		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	79		10 - 150
d3-NMeFOSAA	81		25 - 150
d5-NEtFOSAA	81		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	67		10 - 150
d7-N-MeFOSE-M	70		10 - 150
d9-N-EtFOSE-M	64		10 - 150
M2-4:2 FTS	95		25 - 150
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	90		25 - 150
13C3 HFPO-DA	86		25 - 150

Lab Sample ID: LLCSD 320-722462/3-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722462

<u>Analyte</u>	<u>Spike</u> <u>Added</u>	<u>LLCSD</u> <u>Result</u>	<u>LLCSD</u> <u>Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>%Rec</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>Limit</u>
Perfluorobutanoic acid (PFBA)	8.00	7.07		ng/L		88	50 - 150	8	30
Perfluoropentanoic acid (PFPeA)	8.00	8.72		ng/L		109	50 - 150	4	30
Perfluorohexanoic acid (PFHxA)	8.00	8.09		ng/L		101	50 - 150	12	30
Perfluoroheptanoic acid (PFHpA)	8.00	7.40		ng/L		93	50 - 150	12	30
Perfluorooctanoic acid (PFOA)	8.00	7.72		ng/L		96	50 - 150	9	30
Perfluorononanoic acid (PFNA)	8.00	7.77		ng/L		97	50 - 150	2	30
Perfluorodecanoic acid (PFDA)	8.00	7.95		ng/L		99	50 - 150	10	30
Perfluoroundecanoic acid (PFUnA)	8.00	7.57		ng/L		95	50 - 150	11	30
Perfluorododecanoic acid (PFDoA)	8.00	8.04		ng/L		101	50 - 150	8	30
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.01		ng/L		88	50 - 150	12	30
Perfluorotetradecanoic acid (PFTeA)	8.00	7.35		ng/L		92	50 - 150	5	30
Perfluorobutanesulfonic acid (PFBS)	7.10	7.26		ng/L		102	50 - 150	0.07	30
Perfluoropentanesulfonic acid (PFPeS)	7.52	7.67		ng/L		102	50 - 150	0.6	30
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.03		ng/L		96	50 - 150	5	30
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.56		ng/L		99	50 - 150	5	30
Perfluorooctanesulfonic acid (PFOS)	7.44	7.61		ng/L		102	50 - 150	6	30
Perfluorononanesulfonic acid (PFNS)	7.70	7.80		ng/L		101	50 - 150	4	30

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCSD 320-722462/3-A
Matrix: Water
Analysis Batch: 724517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722462

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanesulfonic acid (PFDS)	7.71	7.10		ng/L		92	50 - 150	8	30
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.99		ng/L		103	50 - 150	3	30
Perfluorooctanesulfonamide (FOSA)	8.00	8.08		ng/L		101	50 - 150	5	30
NEtFOSA	8.00	8.13		ng/L		102	50 - 150	2	30
NMeFOSA	8.00	7.66		ng/L		96	50 - 150	4	30
NMeFOSAA	8.00	8.03		ng/L		100	50 - 150	5	30
NEtFOSAA	8.00	8.23		ng/L		103	50 - 150	12	30
NMeFOSE	8.00	7.47		ng/L		93	50 - 150	2	30
NEtFOSE	8.00	7.98		ng/L		100	50 - 150	12	30
4:2 FTS	7.50	7.47		ng/L		99	50 - 150	2	30
6:2 FTS	7.62	8.64		ng/L		113	50 - 150	7	30
8:2 FTS	7.68	7.50		ng/L		98	50 - 150	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.50		ng/L		99	50 - 150	8	30
HFPO-DA (GenX)	8.00	7.39		ng/L		92	50 - 150	4	30
9Cl-PF3ONS	7.47	7.63		ng/L		102	50 - 150	2	30
11Cl-PF3OUdS	7.55	7.09		ng/L		94	50 - 150	11	30

Isotope Dilution	LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	92		25 - 150
13C5 PFPeA	65		25 - 150
13C2 PFHxA	88		25 - 150
13C4 PFHpA	94		25 - 150
13C4 PFOA	89		25 - 150
13C5 PFNA	88		25 - 150
13C2 PFDA	85		25 - 150
13C2 PFUnA	97		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	78		25 - 150
18O2 PFHxS	85		25 - 150
13C4 PFOS	83		25 - 150
13C8 FOSA	81		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	77		10 - 150
d-N-EtFOSA-M	72		10 - 150
d7-N-MeFOSE-M	71		10 - 150
d9-N-EtFOSE-M	70		10 - 150
M2-4:2 FTS	89		25 - 150
M2-6:2 FTS	83		25 - 150
M2-8:2 FTS	85		25 - 150
13C3 HFPO-DA	87		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-723587/1-A
Matrix: Water
Analysis Batch: 724949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723587

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/29/23 11:43	12/01/23 01:33	1
Isotope Dilution		MB MB	Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C4 PFOS	122		25 - 150				11/29/23 11:43	12/01/23 01:33	1

Lab Sample ID: LCS 320-723587/3-A
Matrix: Water
Analysis Batch: 724949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.3		ng/L		99	60 - 135
Isotope Dilution		LCS LCS	Limits			D	%Rec
	%Recovery	Qualifier					
13C4 PFOS	115		25 - 150				

Lab Sample ID: LLCS 320-723587/2-A
Matrix: Water
Analysis Batch: 724949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.75		ng/L		116	50 - 150
Isotope Dilution		LLCS LLCS	Limits			D	%Rec
	%Recovery	Qualifier					
13C4 PFOS	112		25 - 150				

Lab Sample ID: MB 320-724087/1-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724087

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		12/01/23 07:11	12/04/23 17:14	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-724087/1-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 724087

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		12/01/23 07:11	12/04/23 17:14	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		12/01/23 07:11	12/04/23 17:14	1
NEtFOSA	<0.87		2.0	0.87	ng/L		12/01/23 07:11	12/04/23 17:14	1
NMeFOSA	<0.43		2.0	0.43	ng/L		12/01/23 07:11	12/04/23 17:14	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		12/01/23 07:11	12/04/23 17:14	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		12/01/23 07:11	12/04/23 17:14	1
NMeFOSE	<1.4		4.0	1.4	ng/L		12/01/23 07:11	12/04/23 17:14	1
NEtFOSE	<0.85		2.0	0.85	ng/L		12/01/23 07:11	12/04/23 17:14	1
4:2 FTS	<0.24		2.0	0.24	ng/L		12/01/23 07:11	12/04/23 17:14	1
6:2 FTS	<2.5		5.0	2.5	ng/L		12/01/23 07:11	12/04/23 17:14	1
8:2 FTS	<0.46		2.0	0.46	ng/L		12/01/23 07:11	12/04/23 17:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		12/01/23 07:11	12/04/23 17:14	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		12/01/23 07:11	12/04/23 17:14	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		12/01/23 07:11	12/04/23 17:14	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		12/01/23 07:11	12/04/23 17:14	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	89		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C5 PFPeA	56		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C2 PFHxA	101		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C4 PFHpA	95		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C4 PFOA	97		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C5 PFNA	97		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C2 PFDA	105		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C2 PFUnA	99		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C2 PFDoA	101		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C2 PFTeDA	83		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C3 PFBS	69		25 - 150	12/01/23 07:11	12/04/23 17:14	1
18O2 PFHxS	87		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C4 PFOS	89		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C8 FOSA	91		10 - 150	12/01/23 07:11	12/04/23 17:14	1
d3-NMeFOSAA	81		25 - 150	12/01/23 07:11	12/04/23 17:14	1
d5-NEtFOSAA	74		25 - 150	12/01/23 07:11	12/04/23 17:14	1
d-N-MeFOSA-M	73		10 - 150	12/01/23 07:11	12/04/23 17:14	1
d-N-EtFOSA-M	70		10 - 150	12/01/23 07:11	12/04/23 17:14	1
d7-N-MeFOSE-M	75		10 - 150	12/01/23 07:11	12/04/23 17:14	1
d9-N-EtFOSE-M	74		10 - 150	12/01/23 07:11	12/04/23 17:14	1
M2-4:2 FTS	92		25 - 150	12/01/23 07:11	12/04/23 17:14	1
M2-6:2 FTS	80		25 - 150	12/01/23 07:11	12/04/23 17:14	1
M2-8:2 FTS	109		25 - 150	12/01/23 07:11	12/04/23 17:14	1
13C3 HFPO-DA	94		25 - 150	12/01/23 07:11	12/04/23 17:14	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-724087/3-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	33.7		ng/L		84	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.3		ng/L		103	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.6		ng/L		91	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	36.4		ng/L		91	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	36.8		ng/L		92	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.1		ng/L		95	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.1		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.7		ng/L		94	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.8		ng/L		99	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	37.7		ng/L		94	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	38.0		ng/L		95	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	36.0		ng/L		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.6		ng/L		108	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.8		ng/L		95	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.8		ng/L		94	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.1		ng/L		97	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	39.1		ng/L		102	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	34.4		ng/L		89	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	39.5		ng/L		102	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.8		ng/L		99	60 - 135
NEtFOSA	40.0	38.3		ng/L		96	60 - 135
NMeFOSA	40.0	37.3		ng/L		93	60 - 135
NMeFOSAA	40.0	38.9		ng/L		97	60 - 135
NEtFOSAA	40.0	42.0		ng/L		105	60 - 135
NMeFOSE	40.0	38.4		ng/L		96	60 - 135
NEtFOSE	40.0	42.6		ng/L		107	60 - 135
4:2 FTS	37.5	35.7		ng/L		95	60 - 135
6:2 FTS	38.1	38.9		ng/L		102	60 - 135
8:2 FTS	38.4	32.8		ng/L		86	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.2		ng/L		98	60 - 135
HFPO-DA (GenX)	40.0	36.2		ng/L		91	60 - 135
9CI-PF3ONS	37.4	35.2		ng/L		94	60 - 135
11CI-PF3OUdS	37.8	36.9		ng/L		98	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	62		25 - 150
13C2 PFHxA	106		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-724087/3-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724087

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	106		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	110		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	92		25 - 150
13C3 PFBS	83		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	92		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	73		25 - 150
d-N-MeFOSA-M	66		10 - 150
d-N-EtFOSA-M	61		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	76		10 - 150
M2-4:2 FTS	95		25 - 150
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	115		25 - 150
13C3 HFPO-DA	104		25 - 150

Lab Sample ID: LCSD 320-724087/4-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 724087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits	RPD	Limit	
Perfluorobutanoic acid (PFBA)	40.0	33.0		ng/L		82	60 - 135	2	30	
Perfluoropentanoic acid (PFPeA)	40.0	43.5		ng/L		109	60 - 135	5	30	
Perfluorohexanoic acid (PFHxA)	40.0	40.4		ng/L		101	60 - 135	10	30	
Perfluoroheptanoic acid (PFHpA)	40.0	37.1		ng/L		93	60 - 135	2	30	
Perfluorooctanoic acid (PFOA)	40.0	39.1		ng/L		98	60 - 135	6	30	
Perfluorononanoic acid (PFNA)	40.0	38.7		ng/L		97	60 - 135	2	30	
Perfluorodecanoic acid (PFDA)	40.0	38.5		ng/L		96	60 - 135	4	30	
Perfluoroundecanoic acid (PFUnA)	40.0	37.6		ng/L		94	60 - 135	0	30	
Perfluorododecanoic acid (PFDoA)	40.0	38.9		ng/L		97	60 - 135	2	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	37.7		ng/L		94	60 - 135	0	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	39.7		ng/L		99	60 - 135	4	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	37.1		ng/L		104	60 - 135	3	30	
Perfluoropentanesulfonic acid (PFPeS)	37.6	46.1		ng/L		122	60 - 135	13	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.1		ng/L		96	60 - 135	1	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.8		ng/L		96	60 - 135	3	30	

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCSD 320-724087/4-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 724087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	37.2	37.1		ng/L		100	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)	38.5	40.4		ng/L		105	60 - 135	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	37.1		ng/L		96	60 - 135	7	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	42.4		ng/L		109	60 - 135	7	30
Perfluorooctanesulfonamide (FOSA)	40.0	41.3		ng/L		103	60 - 135	4	30
NEtFOSA	40.0	38.5		ng/L		96	60 - 135	0	30
NMeFOSA	40.0	40.1		ng/L		100	60 - 135	7	30
NMeFOSAA	40.0	37.8		ng/L		95	60 - 135	3	30
NEtFOSAA	40.0	44.1		ng/L		110	60 - 135	5	30
NMeFOSE	40.0	38.5		ng/L		96	60 - 135	0	30
NEtFOSE	40.0	43.4		ng/L		109	60 - 135	2	30
4:2 FTS	37.5	35.6		ng/L		95	60 - 135	0	30
6:2 FTS	38.1	40.6		ng/L		107	60 - 135	4	30
8:2 FTS	38.4	37.7		ng/L		98	60 - 135	14	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.9		ng/L		100	60 - 135	2	30
HFPO-DA (GenX)	40.0	37.1		ng/L		93	60 - 135	2	30
9Cl-PF3ONS	37.4	39.1		ng/L		105	60 - 135	11	30
11Cl-PF3OUdS	37.8	38.8		ng/L		103	60 - 135	5	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	56		25 - 150
13C2 PFHxA	101		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	100		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	105		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	90		10 - 150
d3-NMeFOSAA	87		25 - 150
d5-NEtFOSAA	74		25 - 150
d-N-MeFOSA-M	76		10 - 150
d-N-EtFOSA-M	74		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	90		25 - 150
M2-6:2 FTS	83		25 - 150
M2-8:2 FTS	114		25 - 150
13C3 HFPO-DA	101		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-724087/2-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724087

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.21		ng/L		90	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	9.15		ng/L		114	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.38		ng/L		105	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	8.08		ng/L		101	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	8.16		ng/L		102	50 - 150
Perfluorononanoic acid (PFNA)	8.00	7.85		ng/L		98	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	8.47		ng/L		106	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.26		ng/L		103	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	8.46		ng/L		106	50 - 150
Perfluorotridecanoic acid (PFTTrDA)	8.00	7.49		ng/L		94	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.03		ng/L		100	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.64		ng/L		108	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	9.82		ng/L		131	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.38		ng/L		101	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.46		ng/L		98	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.50		ng/L		101	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	8.13		ng/L		106	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.00		ng/L		91	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.93		ng/L		102	50 - 150
Perfluorooctanesulfonamide (FOSA)	8.00	9.05		ng/L		113	50 - 150
NEtFOSA	8.00	8.33		ng/L		104	50 - 150
NMeFOSA	8.00	8.18		ng/L		102	50 - 150
NMeFOSAA	8.00	8.76		ng/L		109	50 - 150
NEtFOSAA	8.00	9.43		ng/L		118	50 - 150
NMeFOSE	8.00	8.03		ng/L		100	50 - 150
NEtFOSE	8.00	8.86		ng/L		111	50 - 150
4:2 FTS	7.50	7.58		ng/L		101	50 - 150
6:2 FTS	7.62	8.64		ng/L		113	50 - 150
8:2 FTS	7.68	8.04		ng/L		105	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	7.87		ng/L		104	50 - 150
HFPO-DA (GenX)	8.00	8.32		ng/L		104	50 - 150
9CI-PF3ONS	7.47	7.81		ng/L		104	50 - 150
11CI-PF3OUdS	7.55	7.35		ng/L		97	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	93		25 - 150
13C5 PFPeA	57		25 - 150
13C2 PFHxA	105		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-724087/2-A
Matrix: Water
Analysis Batch: 724902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 724087

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	108		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	111		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	90		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	87		10 - 150
d3-NMeFOSAA	80		25 - 150
d5-NEtFOSAA	69		25 - 150
d-N-MeFOSA-M	77		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	79		10 - 150
M2-4:2 FTS	103		25 - 150
M2-6:2 FTS	86		25 - 150
M2-8:2 FTS	120		25 - 150
13C3 HFPO-DA	101		25 - 150

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

Lab Sample ID: MB 320-723587/1-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723587

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA) - RA	<2.4		5.0	2.4	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluoropentanoic acid (PFPeA) - RA	<0.49		2.0	0.49	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorohexanoic acid (PFHxA) - RA	<0.58		2.0	0.58	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluoroheptanoic acid (PFHpA) - RA	<0.25		2.0	0.25	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorooctanoic acid (PFOA) - RA	<0.85		2.0	0.85	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorononanoic acid (PFNA) - RA	<0.27		2.0	0.27	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorodecanoic acid (PFDA) - RA	<0.31		2.0	0.31	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluoroundecanoic acid (PFUnA) - RA	<1.1		2.0	1.1	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorododecanoic acid (PFDoA) - RA	<0.55		2.0	0.55	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorotridecanoic acid (PFTTrDA) - RA	<1.3		2.0	1.3	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorotetradecanoic acid (PFTeA) - RA	<0.73		2.0	0.73	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorobutanesulfonic acid (PFBS) - RA	<0.20		2.0	0.20	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluoropentanesulfonic acid (PFPeS) - RA	<0.30		2.0	0.30	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorohexanesulfonic acid (PFHxS) - RA	<0.57		2.0	0.57	ng/L		11/29/23 11:43	12/06/23 18:15	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: MB 320-723587/1-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 723587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS) - RA	<0.19		2.0	0.19	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorooctanesulfonic acid (PFOS) - RA	<0.54		2.0	0.54	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorononanesulfonic acid (PFNS) - RA	<0.37		2.0	0.37	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorodecanesulfonic acid (PFDS) - RA	<0.32		2.0	0.32	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorododecanesulfonic acid (PFDoS) - RA	<0.97		2.0	0.97	ng/L		11/29/23 11:43	12/06/23 18:15	1
Perfluorooctanesulfonamide (FOSA) - RA	<0.98		2.0	0.98	ng/L		11/29/23 11:43	12/06/23 18:15	1
NEtFOSA - RA	<0.87		2.0	0.87	ng/L		11/29/23 11:43	12/06/23 18:15	1
NMeFOSA - RA	<0.43		2.0	0.43	ng/L		11/29/23 11:43	12/06/23 18:15	1
NMeFOSAA - RA	<1.2		5.0	1.2	ng/L		11/29/23 11:43	12/06/23 18:15	1
NEtFOSAA - RA	<1.3		5.0	1.3	ng/L		11/29/23 11:43	12/06/23 18:15	1
NMeFOSE - RA	<1.4		4.0	1.4	ng/L		11/29/23 11:43	12/06/23 18:15	1
NEtFOSE - RA	<0.85		2.0	0.85	ng/L		11/29/23 11:43	12/06/23 18:15	1
4:2 FTS - RA	<0.24		2.0	0.24	ng/L		11/29/23 11:43	12/06/23 18:15	1
6:2 FTS - RA	<2.5		5.0	2.5	ng/L		11/29/23 11:43	12/06/23 18:15	1
8:2 FTS - RA	<0.46		2.0	0.46	ng/L		11/29/23 11:43	12/06/23 18:15	1
HFPO-DA (GenX) - RA	<1.5		4.0	1.5	ng/L		11/29/23 11:43	12/06/23 18:15	1
9Cl-PF3ONS - RA	<0.24		2.0	0.24	ng/L		11/29/23 11:43	12/06/23 18:15	1
11Cl-PF3OUdS - RA	<0.32		2.0	0.32	ng/L		11/29/23 11:43	12/06/23 18:15	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA - RA	90		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C5 PFPeA - RA	108		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C2 PFHxA - RA	136		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C4 PFHpA - RA	139		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C4 PFOA - RA	115		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C5 PFNA - RA	106		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C2 PFDA - RA	140		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C2 PFUnA - RA	137		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C2 PFDoA - RA	173	*5+	25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C2 PFTeDA - RA	132		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C3 PFBS - RA	107		25 - 150	11/29/23 11:43	12/06/23 18:15	1
18O2 PFHxS - RA	91		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C4 PFOS - RA	132		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C8 FOSA - RA	131		10 - 150	11/29/23 11:43	12/06/23 18:15	1
d3-NMeFOSAA - RA	134		25 - 150	11/29/23 11:43	12/06/23 18:15	1
d5-NEtFOSAA - RA	131		25 - 150	11/29/23 11:43	12/06/23 18:15	1
d-N-MeFOSA-M - RA	106		10 - 150	11/29/23 11:43	12/06/23 18:15	1
d-N-EtFOSA-M - RA	104		10 - 150	11/29/23 11:43	12/06/23 18:15	1
d7-N-MeFOSE-M - RA	134		10 - 150	11/29/23 11:43	12/06/23 18:15	1
d9-N-EtFOSE-M - RA	119		10 - 150	11/29/23 11:43	12/06/23 18:15	1
M2-4:2 FTS - RA	99		25 - 150	11/29/23 11:43	12/06/23 18:15	1
M2-6:2 FTS - RA	98		25 - 150	11/29/23 11:43	12/06/23 18:15	1
M2-8:2 FTS - RA	101		25 - 150	11/29/23 11:43	12/06/23 18:15	1
13C3 HFPO-DA - RA	120		25 - 150	11/29/23 11:43	12/06/23 18:15	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LCS 320-723587/3-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA) - RA	40.0	43.7		ng/L		109	60 - 135
Perfluoropentanoic acid (PFPeA) - RA	40.0	36.7		ng/L		92	60 - 135
Perfluorohexanoic acid (PFHxA) - RA	40.0	38.2		ng/L		96	60 - 135
Perfluoroheptanoic acid (PFHpA) - RA	40.0	36.7		ng/L		92	60 - 135
Perfluorooctanoic acid (PFOA) - RA	40.0	35.1		ng/L		88	60 - 135
Perfluorononanoic acid (PFNA) - RA	40.0	38.4		ng/L		96	60 - 135
Perfluorodecanoic acid (PFDA) - RA	40.0	43.8		ng/L		110	60 - 135
Perfluoroundecanoic acid (PFUnA) - RA	40.0	40.7		ng/L		102	60 - 135
Perfluorododecanoic acid (PFDoA) - RA	40.0	42.2		ng/L		106	60 - 135
Perfluorotridecanoic acid (PFTrDA) - RA	40.0	35.9		ng/L		90	60 - 135
Perfluorotetradecanoic acid (PFTeA) - RA	40.0	40.5		ng/L		101	60 - 135
Perfluorobutanesulfonic acid (PFBS) - RA	35.5	39.6		ng/L		112	60 - 135
Perfluoropentanesulfonic acid (PFPeS) - RA	37.6	50.3		ng/L		134	60 - 135
Perfluorohexanesulfonic acid (PFHxS) - RA	36.5	40.9		ng/L		112	60 - 135
Perfluoroheptanesulfonic acid (PFHpS) - RA	38.2	35.2		ng/L		92	60 - 135
Perfluorooctanesulfonic acid (PFOS) - RA	37.2	34.8		ng/L		93	60 - 135
Perfluorononanesulfonic acid (PFNS) - RA	38.5	37.7		ng/L		98	60 - 135
Perfluorodecanesulfonic acid (PFDS) - RA	38.6	40.4		ng/L		105	60 - 135
Perfluorododecanesulfonic acid (PFDoS) - RA	38.8	33.0		ng/L		85	60 - 135
Perfluorooctanesulfonamide (FOSA) - RA	40.0	36.2		ng/L		91	60 - 135
NEtFOSA - RA	40.0	37.5		ng/L		94	60 - 135
NMeFOSA - RA	40.0	40.3		ng/L		101	60 - 135
NMeFOSAA - RA	40.0	41.1		ng/L		103	60 - 135
NEtFOSAA - RA	40.0	39.7		ng/L		99	60 - 135
NMeFOSE - RA	40.0	40.6		ng/L		101	60 - 135
NEtFOSE - RA	40.0	40.1		ng/L		100	60 - 135
4:2 FTS - RA	37.5	38.4		ng/L		102	60 - 135
6:2 FTS - RA	38.1	42.9		ng/L		113	60 - 135
8:2 FTS - RA	38.4	46.7		ng/L		122	60 - 135
HFPO-DA (GenX) - RA	40.0	38.7		ng/L		97	60 - 135
9CI-PF3ONS - RA	37.4	34.4		ng/L		92	60 - 135
11CI-PF3OUdS - RA	37.8	37.6		ng/L		99	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFBA - RA	81		25 - 150
13C5 PFPeA - RA	96		25 - 150
13C2 PFHxA - RA	118		25 - 150
13C4 PFHpA - RA	120		25 - 150
13C4 PFOA - RA	107		25 - 150
13C5 PFNA - RA	116		25 - 150
13C2 PFDA - RA	135		25 - 150
13C2 PFUnA - RA	123		25 - 150
13C2 PFDoA - RA	144		25 - 150
13C2 PFTeDA - RA	113		25 - 150
13C3 PFBS - RA	87		25 - 150
18O2 PFHxS - RA	86		25 - 150
13C4 PFOS - RA	131		25 - 150
13C8 FOSA - RA	135		10 - 150
d3-NMeFOSAA - RA	133		25 - 150
d5-NEtFOSAA - RA	124		25 - 150
d-N-MeFOSA-M - RA	101		10 - 150
d-N-EtFOSA-M - RA	94		10 - 150
d7-N-MeFOSE-M - RA	123		10 - 150
d9-N-EtFOSE-M - RA	104		10 - 150
M2-4:2 FTS - RA	84		25 - 150
M2-6:2 FTS - RA	82		25 - 150
M2-8:2 FTS - RA	107		25 - 150
13C3 HFPO-DA - RA	109		25 - 150

Lab Sample ID: LLCS 320-723587/2-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

<i>Analyte</i>	<i>Spike Added</i>	<i>LLCS Result</i>	<i>LLCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>
							<i>Limits</i>
Perfluorobutanoic acid (PFBA) - RA	8.00	8.53		ng/L		107	50 - 150
Perfluoropentanoic acid (PFPeA) - RA	8.00	8.06		ng/L		101	50 - 150
Perfluorohexanoic acid (PFHxA) - RA	8.00	8.04		ng/L		100	50 - 150
Perfluoroheptanoic acid (PFHpA) - RA	8.00	7.75		ng/L		97	50 - 150
Perfluorooctanoic acid (PFOA) - RA	8.00	7.19		ng/L		90	50 - 150
Perfluorononanoic acid (PFNA) - RA	8.00	7.88		ng/L		98	50 - 150
Perfluorodecanoic acid (PFDA) - RA	8.00	9.03		ng/L		113	50 - 150
Perfluoroundecanoic acid (PFUnA) - RA	8.00	8.09		ng/L		101	50 - 150
Perfluorododecanoic acid (PFDoA) - RA	8.00	8.51		ng/L		106	50 - 150
Perfluorotridecanoic acid (PFTTrDA) - RA	8.00	6.53		ng/L		82	50 - 150
Perfluorotetradecanoic acid (PFTeA) - RA	8.00	7.20		ng/L		90	50 - 150
Perfluorobutanesulfonic acid (PFBS) - RA	7.10	7.55		ng/L		106	50 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-723587/2-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS) - RA	7.52	9.37		ng/L		125	50 - 150
Perfluorohexanesulfonic acid (PFHxS) - RA	7.30	8.62		ng/L		118	50 - 150
Perfluoroheptanesulfonic acid (PFHpS) - RA	7.63	6.90		ng/L		90	50 - 150
Perfluorooctanesulfonic acid (PFOS) - RA	7.44	7.49		ng/L		101	50 - 150
Perfluorononanesulfonic acid (PFNS) - RA	7.70	7.68		ng/L		100	50 - 150
Perfluorodecanesulfonic acid (PFDS) - RA	7.71	8.53		ng/L		111	50 - 150
Perfluorododecanesulfonic acid (PFDoS) - RA	7.76	7.51		ng/L		97	50 - 150
Perfluorooctanesulfonamide (FOSA) - RA	8.00	7.58		ng/L		95	50 - 150
NEtFOSA - RA	8.00	7.30		ng/L		91	50 - 150
NMeFOSA - RA	8.00	7.96		ng/L		99	50 - 150
NMeFOSAA - RA	8.00	8.13		ng/L		102	50 - 150
NEtFOSAA - RA	8.00	8.16		ng/L		102	50 - 150
NMeFOSE - RA	8.00	7.41		ng/L		93	50 - 150
NEtFOSE - RA	8.00	7.67		ng/L		96	50 - 150
4:2 FTS - RA	7.50	7.64		ng/L		102	50 - 150
6:2 FTS - RA	7.62	7.98		ng/L		105	50 - 150
8:2 FTS - RA	7.68	8.95		ng/L		116	50 - 150
HFPO-DA (GenX) - RA	8.00	7.66		ng/L		96	50 - 150
9Cl-PF3ONS - RA	7.47	7.11		ng/L		95	50 - 150
11Cl-PF3OUdS - RA	7.55	8.01		ng/L		106	50 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA - RA	84		25 - 150
13C5 PFPeA - RA	93		25 - 150
13C2 PFHxA - RA	128		25 - 150
13C4 PFHpA - RA	125		25 - 150
13C4 PFOA - RA	108		25 - 150
13C5 PFNA - RA	111		25 - 150
13C2 PFDA - RA	132		25 - 150
13C2 PFUnA - RA	123		25 - 150
13C2 PFDoA - RA	161	*5+	25 - 150
13C2 PFTeDA - RA	127		25 - 150
13C3 PFBS - RA	98		25 - 150
18O2 PFHxS - RA	84		25 - 150
13C4 PFOS - RA	132		25 - 150
13C8 FOSA - RA	117		10 - 150
d3-NMeFOSAA - RA	129		25 - 150
d5-NEtFOSAA - RA	124		25 - 150
d-N-MeFOSA-M - RA	88		10 - 150
d-N-EtFOSA-M - RA	84		10 - 150
d7-N-MeFOSE-M - RA	111		10 - 150
d9-N-EtFOSE-M - RA	100		10 - 150
M2-4:2 FTS - RA	90		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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

Lab Sample ID: LLCS 320-723587/2-A
Matrix: Water
Analysis Batch: 725414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 723587

<i>Isotope Dilution</i>	<i>LLCS LLCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
M2-6:2 FTS - RA	91		25 - 150
M2-8:2 FTS - RA	114		25 - 150
13C3 HFPO-DA - RA	112		25 - 150

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QC Association Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS

Prep Batch: 721381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-1	MP-01-(277-293)-202311	Total/NA	Water	3535	
320-106878-2	MP-01-(253-274)-202311	Total/NA	Water	3535	
320-106878-3	MP-01-(223-250)-202311	Total/NA	Water	3535	
320-106878-4	MP-01-(198-220)-202311	Total/NA	Water	3535	
320-106878-5 - DL	MP-01-(155-195)-202311	Total/NA	Water	3535	
320-106878-5	MP-01-(155-195)-202311	Total/NA	Water	3535	
320-106878-6	MP-01-(121-152)-202311	Total/NA	Water	3535	
320-106878-6 - DL	MP-01-(121-152)-202311	Total/NA	Water	3535	
320-106878-7	MP-01-(091-118)-202311	Total/NA	Water	3535	
320-106878-7 - DL	MP-01-(091-118)-202311	Total/NA	Water	3535	
320-106878-8 - DL	MP-01-(051-088)-202311	Total/NA	Water	3535	
320-106878-8	MP-01-(051-088)-202311	Total/NA	Water	3535	
320-106878-9	MP-02-(279-300)-202311	Total/NA	Water	3535	
320-106878-10	MP-02-(253-276)-202311	Total/NA	Water	3535	
MB 320-721381/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-721381/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-721381/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-721381/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 721765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-1	MP-01-(277-293)-202311	Total/NA	Water	537 (modified)	721381
320-106878-2	MP-01-(253-274)-202311	Total/NA	Water	537 (modified)	721381
320-106878-3	MP-01-(223-250)-202311	Total/NA	Water	537 (modified)	721381
320-106878-4	MP-01-(198-220)-202311	Total/NA	Water	537 (modified)	721381
320-106878-5	MP-01-(155-195)-202311	Total/NA	Water	537 (modified)	721381
320-106878-6	MP-01-(121-152)-202311	Total/NA	Water	537 (modified)	721381
320-106878-7	MP-01-(091-118)-202311	Total/NA	Water	537 (modified)	721381
320-106878-8	MP-01-(051-088)-202311	Total/NA	Water	537 (modified)	721381
320-106878-9	MP-02-(279-300)-202311	Total/NA	Water	537 (modified)	721381
320-106878-10	MP-02-(253-276)-202311	Total/NA	Water	537 (modified)	721381
MB 320-721381/1-A	Method Blank	Total/NA	Water	537 (modified)	721381
LCS 320-721381/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	721381
LCSD 320-721381/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	721381
LLCS 320-721381/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	721381

Prep Batch: 722019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-11	MP-02-(223-250)-202311	Total/NA	Water	3535	
320-106878-12 - DL	MP-02-(198-220)-202311	Total/NA	Water	3535	
320-106878-12	MP-02-(198-220)-202311	Total/NA	Water	3535	
320-106878-13 - DL	MP-02-(153-195)-202311	Total/NA	Water	3535	
320-106878-13	MP-02-(153-195)-202311	Total/NA	Water	3535	
320-106878-14	MP-03-(280-300)-202311	Total/NA	Water	3535	
320-106878-15	MP-03-(245-277)-202311	Total/NA	Water	3535	
320-106878-16	MP-03-(220-242)-202311	Total/NA	Water	3535	
320-106878-17 - DL	MP-03-(190-217)-202311	Total/NA	Water	3535	
320-106878-17	MP-03-(190-217)-202311	Total/NA	Water	3535	
320-106878-18	MP-03-(160-187)-202311	Total/NA	Water	3535	
320-106878-19 - RA	MP-03-(120-157)-202311	Total/NA	Water	3535	
320-106878-19	MP-03-(120-157)-202311	Total/NA	Water	3535	

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS (Continued)

Prep Batch: 722019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-20	MP-03-(083-117)-202311	Total/NA	Water	3535	
320-106878-21 - RA	MP-03-(046-080)-202311	Total/NA	Water	3535	
320-106878-21	MP-03-(046-080)-202311	Total/NA	Water	3535	
320-106878-22 - RA	MP-04-(275-291)-202311	Total/NA	Water	3535	
320-106878-22	MP-04-(275-291)-202311	Total/NA	Water	3535	
320-106878-23	MP-04-(245-272)-202311	Total/NA	Water	3535	
320-106878-24	MP-04-(220-242)-202311	Total/NA	Water	3535	
320-106878-25	MP-04-(195-217)-202311	Total/NA	Water	3535	
320-106878-26 - DL	MP-04-(155-192)-202311	Total/NA	Water	3535	
320-106878-26	MP-04-(155-192)-202311	Total/NA	Water	3535	
320-106878-27 - DL	MP-04-(115-152)-202311	Total/NA	Water	3535	
320-106878-27	MP-04-(115-152)-202311	Total/NA	Water	3535	
320-106878-28	MP-04-(080-112)-202311	Total/NA	Water	3535	
320-106878-28 - DL	MP-04-(080-112)-202311	Total/NA	Water	3535	
320-106878-29	MP-04-(048-077)-202311	Total/NA	Water	3535	
320-106878-30	MP-05-(SWL-065)-202311	Total/NA	Water	3535	
MB 320-722019/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-722019/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-722019/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 722063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-5 - DL	MP-01-(155-195)-202311	Total/NA	Water	537 (modified)	721381

Analysis Batch: 722217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-6 - DL	MP-01-(121-152)-202311	Total/NA	Water	537 (modified)	721381
320-106878-7 - DL	MP-01-(091-118)-202311	Total/NA	Water	537 (modified)	721381
320-106878-8 - DL	MP-01-(051-088)-202311	Total/NA	Water	537 (modified)	721381

Analysis Batch: 722367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-11	MP-02-(223-250)-202311	Total/NA	Water	537 (modified)	722019
320-106878-12	MP-02-(198-220)-202311	Total/NA	Water	537 (modified)	722019
320-106878-13	MP-02-(153-195)-202311	Total/NA	Water	537 (modified)	722019
320-106878-14	MP-03-(280-300)-202311	Total/NA	Water	537 (modified)	722019
320-106878-15	MP-03-(245-277)-202311	Total/NA	Water	537 (modified)	722019
320-106878-16	MP-03-(220-242)-202311	Total/NA	Water	537 (modified)	722019
320-106878-17	MP-03-(190-217)-202311	Total/NA	Water	537 (modified)	722019
320-106878-18	MP-03-(160-187)-202311	Total/NA	Water	537 (modified)	722019
320-106878-19	MP-03-(120-157)-202311	Total/NA	Water	537 (modified)	722019
320-106878-20	MP-03-(083-117)-202311	Total/NA	Water	537 (modified)	722019
320-106878-21	MP-03-(046-080)-202311	Total/NA	Water	537 (modified)	722019
320-106878-22	MP-04-(275-291)-202311	Total/NA	Water	537 (modified)	722019
320-106878-23	MP-04-(245-272)-202311	Total/NA	Water	537 (modified)	722019
320-106878-24	MP-04-(220-242)-202311	Total/NA	Water	537 (modified)	722019
320-106878-25	MP-04-(195-217)-202311	Total/NA	Water	537 (modified)	722019
320-106878-26	MP-04-(155-192)-202311	Total/NA	Water	537 (modified)	722019
320-106878-27	MP-04-(115-152)-202311	Total/NA	Water	537 (modified)	722019
320-106878-28	MP-04-(080-112)-202311	Total/NA	Water	537 (modified)	722019
320-106878-29	MP-04-(048-077)-202311	Total/NA	Water	537 (modified)	722019

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS (Continued)

Analysis Batch: 722367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-30	MP-05-(SWL-065)-202311	Total/NA	Water	537 (modified)	722019
MB 320-722019/1-A	Method Blank	Total/NA	Water	537 (modified)	722019
LLCS 320-722019/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	722019
LLCSD 320-722019/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	722019

Prep Batch: 722459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-31	MP-06-(148-178)-202311	Total/NA	Water	3535	
320-106878-32	MP-06-(113-145)-202311	Total/NA	Water	3535	
320-106878-33	MP-06-(073-110)-202311	Total/NA	Water	3535	
320-106878-34	MP-06-(036-070)-202311	Total/NA	Water	3535	
320-106878-35	MP-06-(021-033)-202311	Total/NA	Water	3535	
320-106878-35 - DL	MP-06-(021-033)-202311	Total/NA	Water	3535	
320-106878-36	MP-07-(220-258)-202311	Total/NA	Water	3535	
320-106878-37	MP-07-(195-217)-202311	Total/NA	Water	3535	
320-106878-38	MP-07-(155-192)-202311	Total/NA	Water	3535	
320-106878-40	MP-07-(080-112)-202311	Total/NA	Water	3535	
320-106878-41	MP-07-(048-077)-202311	Total/NA	Water	3535	
320-106878-42	MP-08-(220-246)-202311	Total/NA	Water	3535	
320-106878-43	MP-08-(195-217)-202311	Total/NA	Water	3535	
320-106878-44	MP-08-(155-192)-202311	Total/NA	Water	3535	
320-106878-45	MP-08-(115-152)-202311	Total/NA	Water	3535	
320-106878-46	MP-08-(080-112)-202311	Total/NA	Water	3535	
320-106878-47	MP-08-(048-077)-202311	Total/NA	Water	3535	
MB 320-722459/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-722459/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-722459/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-722459/2-A	Lab Control Sample	Total/NA	Water	3535	

Prep Batch: 722462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-48	DUP-01-202311	Total/NA	Water	3535	
320-106878-49	DUP-02-202311	Total/NA	Water	3535	
320-106878-50	DUP-03-202311	Total/NA	Water	3535	
320-106878-51	DUP-04-202311	Total/NA	Water	3535	
320-106878-51 - DL	DUP-04-202311	Total/NA	Water	3535	
320-106878-52	DUP-05-202311	Total/NA	Water	3535	
320-106878-52 - DL	DUP-05-202311	Total/NA	Water	3535	
320-106878-53	DUP-06-202311	Total/NA	Water	3535	
320-106878-54	DUP-07-202311	Total/NA	Water	3535	
320-106878-54 - DL	DUP-07-202311	Total/NA	Water	3535	
320-106878-55	DUP-08-202311	Total/NA	Water	3535	
320-106878-56	FB-01-202311	Total/NA	Water	3535	
MB 320-722462/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-722462/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-722462/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 723106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-12 - DL	MP-02-(198-220)-202311	Total/NA	Water	537 (modified)	722019
320-106878-13 - DL	MP-02-(153-195)-202311	Total/NA	Water	537 (modified)	722019

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS

Analysis Batch: 723281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-17 - DL	MP-03-(190-217)-202311	Total/NA	Water	537 (modified)	722019
320-106878-19 - RA	MP-03-(120-157)-202311	Total/NA	Water	537 (modified)	722019
320-106878-21 - RA	MP-03-(046-080)-202311	Total/NA	Water	537 (modified)	722019
320-106878-22 - RA	MP-04-(275-291)-202311	Total/NA	Water	537 (modified)	722019

Prep Batch: 723587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-57	EB-01-202311	Total/NA	Water	3535	
320-106878-57 - RA	EB-01-202311	Total/NA	Water	3535	
320-106878-58 - RA	EB-02-202311	Total/NA	Water	3535	
320-106878-58	EB-02-202311	Total/NA	Water	3535	
320-106878-59 - RA	EB-03-202311	Total/NA	Water	3535	
320-106878-59	EB-03-202311	Total/NA	Water	3535	
320-106878-60	EB-04-202311	Total/NA	Water	3535	
320-106878-60 - RA	EB-04-202311	Total/NA	Water	3535	
320-106878-61 - RA	EB-05-202311	Total/NA	Water	3535	
320-106878-61	EB-05-202311	Total/NA	Water	3535	
320-106878-62	EB-06-202311	Total/NA	Water	3535	
320-106878-62 - RA	EB-06-202311	Total/NA	Water	3535	
320-106878-63 - RA	EB-07-202311	Total/NA	Water	3535	
320-106878-63	EB-07-202311	Total/NA	Water	3535	
320-106878-64 - RA	EB-08-202311	Total/NA	Water	3535	
320-106878-64	EB-08-202311	Total/NA	Water	3535	
MB 320-723587/1-A	Method Blank	Total/NA	Water	3535	
MB 320-723587/1-A - RA	Method Blank	Total/NA	Water	3535	
LCS 320-723587/3-A	Lab Control Sample	Total/NA	Water	3535	
LCS 320-723587/3-A - RA	Lab Control Sample	Total/NA	Water	3535	
LLCS 320-723587/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCS 320-723587/2-A - RA	Lab Control Sample	Total/NA	Water	3535	

Prep Batch: 724087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-39	MP-07-(115-152)-202311	Total/NA	Water	3535	
320-106878-39 - DL	MP-07-(115-152)-202311	Total/NA	Water	3535	
MB 320-724087/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-724087/3-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-724087/4-A	Lab Control Sample Dup	Total/NA	Water	3535	
LLCS 320-724087/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 724351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-26 - DL	MP-04-(155-192)-202311	Total/NA	Water	537 (modified)	722019
320-106878-27 - DL	MP-04-(115-152)-202311	Total/NA	Water	537 (modified)	722019
320-106878-28 - DL	MP-04-(080-112)-202311	Total/NA	Water	537 (modified)	722019

Analysis Batch: 724508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-31	MP-06-(148-178)-202311	Total/NA	Water	537 (modified)	722459
320-106878-32	MP-06-(113-145)-202311	Total/NA	Water	537 (modified)	722459
320-106878-33	MP-06-(073-110)-202311	Total/NA	Water	537 (modified)	722459
320-106878-34	MP-06-(036-070)-202311	Total/NA	Water	537 (modified)	722459

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS (Continued)

Analysis Batch: 724508 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-35	MP-06-(021-033)-202311	Total/NA	Water	537 (modified)	722459
320-106878-36	MP-07-(220-258)-202311	Total/NA	Water	537 (modified)	722459
320-106878-37	MP-07-(195-217)-202311	Total/NA	Water	537 (modified)	722459
320-106878-38	MP-07-(155-192)-202311	Total/NA	Water	537 (modified)	722459
320-106878-40	MP-07-(080-112)-202311	Total/NA	Water	537 (modified)	722459
320-106878-41	MP-07-(048-077)-202311	Total/NA	Water	537 (modified)	722459
320-106878-42	MP-08-(220-246)-202311	Total/NA	Water	537 (modified)	722459
320-106878-43	MP-08-(195-217)-202311	Total/NA	Water	537 (modified)	722459
320-106878-44	MP-08-(155-192)-202311	Total/NA	Water	537 (modified)	722459
320-106878-45	MP-08-(115-152)-202311	Total/NA	Water	537 (modified)	722459
320-106878-46	MP-08-(080-112)-202311	Total/NA	Water	537 (modified)	722459
320-106878-47	MP-08-(048-077)-202311	Total/NA	Water	537 (modified)	722459
MB 320-722459/1-A	Method Blank	Total/NA	Water	537 (modified)	722459
LCS 320-722459/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	722459
LCSD 320-722459/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	722459
LLCS 320-722459/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	722459

Analysis Batch: 724517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-48	DUP-01-202311	Total/NA	Water	537 (modified)	722462
320-106878-49	DUP-02-202311	Total/NA	Water	537 (modified)	722462
320-106878-50	DUP-03-202311	Total/NA	Water	537 (modified)	722462
320-106878-51	DUP-04-202311	Total/NA	Water	537 (modified)	722462
320-106878-52	DUP-05-202311	Total/NA	Water	537 (modified)	722462
320-106878-53	DUP-06-202311	Total/NA	Water	537 (modified)	722462
320-106878-54	DUP-07-202311	Total/NA	Water	537 (modified)	722462
320-106878-55	DUP-08-202311	Total/NA	Water	537 (modified)	722462
320-106878-56	FB-01-202311	Total/NA	Water	537 (modified)	722462
MB 320-722462/1-A	Method Blank	Total/NA	Water	537 (modified)	722462
LLCS 320-722462/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	722462
LLCSD 320-722462/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	722462

Analysis Batch: 724702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-51 - DL	DUP-04-202311	Total/NA	Water	537 (modified)	722462
320-106878-52 - DL	DUP-05-202311	Total/NA	Water	537 (modified)	722462
320-106878-54 - DL	DUP-07-202311	Total/NA	Water	537 (modified)	722462

Analysis Batch: 724850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-35 - DL	MP-06-(021-033)-202311	Total/NA	Water	537 (modified)	722459

Analysis Batch: 724902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-39	MP-07-(115-152)-202311	Total/NA	Water	537 (modified)	724087
MB 320-724087/1-A	Method Blank	Total/NA	Water	537 (modified)	724087
LCS 320-724087/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	724087
LCSD 320-724087/4-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	724087
LLCS 320-724087/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	724087

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

LCMS

Analysis Batch: 724949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-57	EB-01-202311	Total/NA	Water	537 (modified)	723587
320-106878-60	EB-04-202311	Total/NA	Water	537 (modified)	723587
320-106878-61	EB-05-202311	Total/NA	Water	537 (modified)	723587
320-106878-62	EB-06-202311	Total/NA	Water	537 (modified)	723587
320-106878-64	EB-08-202311	Total/NA	Water	537 (modified)	723587
MB 320-723587/1-A	Method Blank	Total/NA	Water	537 (modified)	723587
LCS 320-723587/3-A	Lab Control Sample	Total/NA	Water	537 (modified)	723587
LLCS 320-723587/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	723587

Analysis Batch: 725208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-39 - DL	MP-07-(115-152)-202311	Total/NA	Water	537 (modified)	724087

Analysis Batch: 725414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-57 - RA	EB-01-202311	Total/NA	Water	537 (modified)	723587
320-106878-58	EB-02-202311	Total/NA	Water	537 (modified)	723587
320-106878-59	EB-03-202311	Total/NA	Water	537 (modified)	723587
320-106878-60 - RA	EB-04-202311	Total/NA	Water	537 (modified)	723587
320-106878-61 - RA	EB-05-202311	Total/NA	Water	537 (modified)	723587
320-106878-62 - RA	EB-06-202311	Total/NA	Water	537 (modified)	723587
320-106878-63	EB-07-202311	Total/NA	Water	537 (modified)	723587
320-106878-64 - RA	EB-08-202311	Total/NA	Water	537 (modified)	723587
MB 320-723587/1-A - RA	Method Blank	Total/NA	Water	537 (modified)	723587
LCS 320-723587/3-A - RA	Lab Control Sample	Total/NA	Water	537 (modified)	723587
LLCS 320-723587/2-A - RA	Lab Control Sample	Total/NA	Water	537 (modified)	723587

Analysis Batch: 726003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-106878-58 - RA	EB-02-202311	Total/NA	Water	537 (modified)	723587
320-106878-59 - RA	EB-03-202311	Total/NA	Water	537 (modified)	723587
320-106878-63 - RA	EB-07-202311	Total/NA	Water	537 (modified)	723587

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(277-293)-202311

Lab Sample ID: 320-106878-1

Date Collected: 11/08/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			224 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 12:20	RS1	EET SAC

Client Sample ID: MP-01-(253-274)-202311

Lab Sample ID: 320-106878-2

Date Collected: 11/08/23 08:43

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			218.3 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 12:31	RS1	EET SAC

Client Sample ID: MP-01-(223-250)-202311

Lab Sample ID: 320-106878-3

Date Collected: 11/08/23 08:53

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			238 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 12:41	RS1	EET SAC

Client Sample ID: MP-01-(198-220)-202311

Lab Sample ID: 320-106878-4

Date Collected: 11/08/23 09:10

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.5 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 12:51	RS1	EET SAC

Client Sample ID: MP-01-(155-195)-202311

Lab Sample ID: 320-106878-5

Date Collected: 11/08/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 13:02	RS1	EET SAC
Total/NA	Prep	3535	DL		235.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	722063	11/21/23 16:25	C1P	EET SAC

Client Sample ID: MP-01-(121-152)-202311

Lab Sample ID: 320-106878-6

Date Collected: 11/08/23 09:37

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			223.8 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 13:12	RS1	EET SAC
Total/NA	Prep	3535	DL		223.8 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	722217	11/22/23 10:45	RS1	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-01-(091-118)-202311

Lab Sample ID: 320-106878-7

Date Collected: 11/08/23 09:45

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 13:43	RS1	EET SAC
Total/NA	Prep	3535	DL		221.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	722217	11/22/23 10:55	RS1	EET SAC

Client Sample ID: MP-01-(051-088)-202311

Lab Sample ID: 320-106878-8

Date Collected: 11/08/23 10:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			222.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 13:53	RS1	EET SAC
Total/NA	Prep	3535	DL		222.2 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	722217	11/22/23 11:06	RS1	EET SAC

Client Sample ID: MP-02-(279-300)-202311

Lab Sample ID: 320-106878-9

Date Collected: 11/07/23 13:24

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			258.3 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 14:03	RS1	EET SAC

Client Sample ID: MP-02-(253-276)-202311

Lab Sample ID: 320-106878-10

Date Collected: 11/07/23 13:40

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.3 mL	10.0 mL	721381	11/18/23 07:56	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	721765	11/20/23 14:14	RS1	EET SAC

Client Sample ID: MP-02-(223-250)-202311

Lab Sample ID: 320-106878-11

Date Collected: 11/07/23 14:03

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			257.1 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 01:19	K1S	EET SAC

Client Sample ID: MP-02-(198-220)-202311

Lab Sample ID: 320-106878-12

Date Collected: 11/07/23 14:17

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		231.6 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	723106	11/27/23 22:33	RS1	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-02-(198-220)-202311

Lab Sample ID: 320-106878-12

Date Collected: 11/07/23 14:17

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.6 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 01:29	K1S	EET SAC

Client Sample ID: MP-02-(153-195)-202311

Lab Sample ID: 320-106878-13

Date Collected: 11/07/23 14:40

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		231.8 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	723106	11/27/23 22:44	RS1	EET SAC
Total/NA	Prep	3535			231.8 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 01:39	K1S	EET SAC

Client Sample ID: MP-03-(280-300)-202311

Lab Sample ID: 320-106878-14

Date Collected: 11/07/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227.9 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 01:49	K1S	EET SAC

Client Sample ID: MP-03-(245-277)-202311

Lab Sample ID: 320-106878-15

Date Collected: 11/07/23 11:12

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.4 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 02:00	K1S	EET SAC

Client Sample ID: MP-03-(220-242)-202311

Lab Sample ID: 320-106878-16

Date Collected: 11/07/23 11:22

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			237.8 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 02:10	K1S	EET SAC

Client Sample ID: MP-03-(190-217)-202311

Lab Sample ID: 320-106878-17

Date Collected: 11/07/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		236 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	723281	11/28/23 15:21	C1P	EET SAC
Total/NA	Prep	3535			236 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 02:20	K1S	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-03-(160-187)-202311

Lab Sample ID: 320-106878-18

Date Collected: 11/07/23 11:40

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 02:51	K1S	EET SAC

Client Sample ID: MP-03-(120-157)-202311

Lab Sample ID: 320-106878-19

Date Collected: 11/07/23 12:05

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		229.2 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	723281	11/28/23 14:48	C1P	EET SAC
Total/NA	Prep	3535			229.2 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:01	K1S	EET SAC

Client Sample ID: MP-03-(083-117)-202311

Lab Sample ID: 320-106878-20

Date Collected: 11/07/23 12:18

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			223.4 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:12	K1S	EET SAC

Client Sample ID: MP-03-(046-080)-202311

Lab Sample ID: 320-106878-21

Date Collected: 11/07/23 12:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		195.1 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	723281	11/28/23 14:59	C1P	EET SAC
Total/NA	Prep	3535			195.1 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:22	K1S	EET SAC

Client Sample ID: MP-04-(275-291)-202311

Lab Sample ID: 320-106878-22

Date Collected: 11/06/23 14:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		251.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	723281	11/28/23 15:10	C1P	EET SAC
Total/NA	Prep	3535			251.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:32	K1S	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(245-272)-202311

Lab Sample ID: 320-106878-23

Date Collected: 11/06/23 14:20

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227.6 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:42	K1S	EET SAC

Client Sample ID: MP-04-(220-242)-202311

Lab Sample ID: 320-106878-24

Date Collected: 11/06/23 14:35

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			223.7 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 03:53	K1S	EET SAC

Client Sample ID: MP-04-(195-217)-202311

Lab Sample ID: 320-106878-25

Date Collected: 11/06/23 14:45

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 04:03	K1S	EET SAC

Client Sample ID: MP-04-(155-192)-202311

Lab Sample ID: 320-106878-26

Date Collected: 11/06/23 15:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246.7 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 04:13	K1S	EET SAC
Total/NA	Prep	3535	DL		246.7 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	724351	12/01/23 23:28	RS1	EET SAC

Client Sample ID: MP-04-(115-152)-202311

Lab Sample ID: 320-106878-27

Date Collected: 11/06/23 15:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.1 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 04:23	K1S	EET SAC
Total/NA	Prep	3535	DL		244.1 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	724351	12/01/23 23:48	RS1	EET SAC

Client Sample ID: MP-04-(080-112)-202311

Lab Sample ID: 320-106878-28

Date Collected: 11/06/23 15:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232.7 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 04:54	K1S	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-04-(080-112)-202311

Lab Sample ID: 320-106878-28

Date Collected: 11/06/23 15:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		232.7 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	724351	12/01/23 23:58	RS1	EET SAC

Client Sample ID: MP-04-(048-077)-202311

Lab Sample ID: 320-106878-29

Date Collected: 11/06/23 15:45

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			192.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 05:05	K1S	EET SAC

Client Sample ID: MP-05-(SWL-065)-202311

Lab Sample ID: 320-106878-30

Date Collected: 11/06/23 13:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			240.5 mL	10.0 mL	722019	11/21/23 12:06	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	722367	11/23/23 05:15	K1S	EET SAC

Client Sample ID: MP-06-(148-178)-202311

Lab Sample ID: 320-106878-31

Date Collected: 11/07/23 08:25

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 16:18	AP1	EET SAC

Client Sample ID: MP-06-(113-145)-202311

Lab Sample ID: 320-106878-32

Date Collected: 11/07/23 08:44

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.5 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 16:29	AP1	EET SAC

Client Sample ID: MP-06-(073-110)-202311

Lab Sample ID: 320-106878-33

Date Collected: 11/07/23 09:24

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			237 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 16:40	AP1	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-06-(036-070)-202311

Lab Sample ID: 320-106878-34

Date Collected: 11/07/23 09:35

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.6 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 16:51	AP1	EET SAC

Client Sample ID: MP-06-(021-033)-202311

Lab Sample ID: 320-106878-35

Date Collected: 11/07/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			191.6 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 17:03	AP1	EET SAC
Total/NA	Prep	3535	DL		191.6 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	724850	12/05/23 00:56	S1C	EET SAC

Client Sample ID: MP-07-(220-258)-202311

Lab Sample ID: 320-106878-36

Date Collected: 11/06/23 11:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			206 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 17:14	AP1	EET SAC

Client Sample ID: MP-07-(195-217)-202311

Lab Sample ID: 320-106878-37

Date Collected: 11/06/23 11:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			243.2 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 17:48	AP1	EET SAC

Client Sample ID: MP-07-(155-192)-202311

Lab Sample ID: 320-106878-38

Date Collected: 11/06/23 11:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			237.8 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 17:59	AP1	EET SAC

Client Sample ID: MP-07-(115-152)-202311

Lab Sample ID: 320-106878-39

Date Collected: 11/06/23 11:45

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			220.6 mL	10.0 mL	724087	12/01/23 07:11	EJR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724902	12/04/23 17:59	C1P	EET SAC
Total/NA	Prep	3535	DL		220.6 mL	10.0 mL	724087	12/01/23 07:11	EJR	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	725208	12/06/23 00:24	RS1	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-07-(080-112)-202311

Lab Sample ID: 320-106878-40

Date Collected: 11/06/23 12:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.2 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 18:10	AP1	EET SAC

Client Sample ID: MP-07-(048-077)-202311

Lab Sample ID: 320-106878-41

Date Collected: 11/06/23 12:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			183.4 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 18:22	AP1	EET SAC

Client Sample ID: MP-08-(220-246)-202311

Lab Sample ID: 320-106878-42

Date Collected: 11/06/23 08:35

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.9 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 18:33	AP1	EET SAC

Client Sample ID: MP-08-(195-217)-202311

Lab Sample ID: 320-106878-43

Date Collected: 11/06/23 08:50

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.7 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 18:44	AP1	EET SAC

Client Sample ID: MP-08-(155-192)-202311

Lab Sample ID: 320-106878-44

Date Collected: 11/06/23 09:40

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.5 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 18:55	AP1	EET SAC

Client Sample ID: MP-08-(115-152)-202311

Lab Sample ID: 320-106878-45

Date Collected: 11/06/23 09:55

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			226.3 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 19:07	AP1	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: MP-08-(080-112)-202311

Lab Sample ID: 320-106878-46

Date Collected: 11/06/23 10:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			207.3 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 19:18	AP1	EET SAC

Client Sample ID: MP-08-(048-077)-202311

Lab Sample ID: 320-106878-47

Date Collected: 11/06/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			216.6 mL	10.0 mL	722459	11/22/23 14:58	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724508	12/02/23 19:29	AP1	EET SAC

Client Sample ID: DUP-01-202311

Lab Sample ID: 320-106878-48

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			216 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 21:57	S1M	EET SAC

Client Sample ID: DUP-02-202311

Lab Sample ID: 320-106878-49

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 22:08	S1M	EET SAC

Client Sample ID: DUP-03-202311

Lab Sample ID: 320-106878-50

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			179.2 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 22:19	S1M	EET SAC

Client Sample ID: DUP-04-202311

Lab Sample ID: 320-106878-51

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			240.4 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 22:31	S1M	EET SAC
Total/NA	Prep	3535	DL		240.4 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	724702	12/04/23 16:18	S1M	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: DUP-05-202311

Lab Sample ID: 320-106878-52

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			195.7 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 22:42	S1M	EET SAC
Total/NA	Prep	3535	DL		195.7 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	724702	12/04/23 15:55	S1M	EET SAC

Client Sample ID: DUP-06-202311

Lab Sample ID: 320-106878-53

Date Collected: 11/07/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.1 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 22:53	S1M	EET SAC

Client Sample ID: DUP-07-202311

Lab Sample ID: 320-106878-54

Date Collected: 11/06/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.7 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 23:05	S1M	EET SAC
Total/NA	Prep	3535	DL		229.7 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	724702	12/04/23 16:06	S1M	EET SAC

Client Sample ID: DUP-08-202311

Lab Sample ID: 320-106878-55

Date Collected: 11/08/23 00:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.3 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 23:38	S1M	EET SAC

Client Sample ID: FB-01-202311

Lab Sample ID: 320-106878-56

Date Collected: 11/08/23 10:30

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.5 mL	10.0 mL	722462	11/22/23 15:11	EH	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724517	12/02/23 23:50	S1M	EET SAC

Client Sample ID: EB-01-202311

Lab Sample ID: 320-106878-57

Date Collected: 11/06/23 08:20

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.3 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724949	12/01/23 02:07	K1S	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-01-202311

Lab Sample ID: 320-106878-57

Date Collected: 11/06/23 08:20

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		261.3 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	725414	12/06/23 18:49	S1C	EET SAC

Client Sample ID: EB-02-202311

Lab Sample ID: 320-106878-58

Date Collected: 11/06/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		264.3 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	726003	12/08/23 11:08	S1M	EET SAC
Total/NA	Prep	3535			264.3 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725414	12/06/23 19:00	S1C	EET SAC

Client Sample ID: EB-03-202311

Lab Sample ID: 320-106878-59

Date Collected: 11/06/23 12:55

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		267.9 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	726003	12/08/23 11:20	S1M	EET SAC
Total/NA	Prep	3535			267.9 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725414	12/06/23 19:11	S1C	EET SAC

Client Sample ID: EB-04-202311

Lab Sample ID: 320-106878-60

Date Collected: 11/06/23 13:55

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724949	12/01/23 02:41	K1S	EET SAC
Total/NA	Prep	3535	RA		268 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	725414	12/06/23 19:23	S1C	EET SAC

Client Sample ID: EB-05-202311

Lab Sample ID: 320-106878-61

Date Collected: 11/07/23 08:15

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			260 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724949	12/01/23 02:52	K1S	EET SAC
Total/NA	Prep	3535	RA		260 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	725414	12/06/23 19:34	S1C	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-106878-1

Client Sample ID: EB-06-202311

Lab Sample ID: 320-106878-62

Date Collected: 11/07/23 10:55

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724949	12/01/23 03:04	K1S	EET SAC
Total/NA	Prep	3535	RA		263 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	725414	12/06/23 19:46	S1C	EET SAC

Client Sample ID: EB-07-202311

Lab Sample ID: 320-106878-63

Date Collected: 11/07/23 13:20

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RA		256.5 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	726003	12/08/23 12:05	S1M	EET SAC
Total/NA	Prep	3535			256.5 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	725414	12/06/23 19:57	S1C	EET SAC

Client Sample ID: EB-08-202311

Lab Sample ID: 320-106878-64

Date Collected: 11/08/23 08:00

Matrix: Water

Date Received: 11/09/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.7 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	724949	12/01/23 03:49	K1S	EET SAC
Total/NA	Prep	3535	RA		263.7 mL	10.0 mL	723587	11/29/23 11:43	C1A	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	725414	12/06/23 20:31	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: 320-106878-1

Laboratory: Eurofins Sacramento

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

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

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Method Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

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: 320-106878-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-106878-1	MP-01-(277-293)-202311	Water	11/08/23 08:15	11/09/23 09:45
320-106878-2	MP-01-(253-274)-202311	Water	11/08/23 08:43	11/09/23 09:45
320-106878-3	MP-01-(223-250)-202311	Water	11/08/23 08:53	11/09/23 09:45
320-106878-4	MP-01-(198-220)-202311	Water	11/08/23 09:10	11/09/23 09:45
320-106878-5	MP-01-(155-195)-202311	Water	11/08/23 09:24	11/09/23 09:45
320-106878-6	MP-01-(121-152)-202311	Water	11/08/23 09:37	11/09/23 09:45
320-106878-7	MP-01-(091-118)-202311	Water	11/08/23 09:45	11/09/23 09:45
320-106878-8	MP-01-(051-088)-202311	Water	11/08/23 10:00	11/09/23 09:45
320-106878-9	MP-02-(279-300)-202311	Water	11/07/23 13:24	11/09/23 09:45
320-106878-10	MP-02-(253-276)-202311	Water	11/07/23 13:40	11/09/23 09:45
320-106878-11	MP-02-(223-250)-202311	Water	11/07/23 14:03	11/09/23 09:45
320-106878-12	MP-02-(198-220)-202311	Water	11/07/23 14:17	11/09/23 09:45
320-106878-13	MP-02-(153-195)-202311	Water	11/07/23 14:40	11/09/23 09:45
320-106878-14	MP-03-(280-300)-202311	Water	11/07/23 11:00	11/09/23 09:45
320-106878-15	MP-03-(245-277)-202311	Water	11/07/23 11:12	11/09/23 09:45
320-106878-16	MP-03-(220-242)-202311	Water	11/07/23 11:22	11/09/23 09:45
320-106878-17	MP-03-(190-217)-202311	Water	11/07/23 11:30	11/09/23 09:45
320-106878-18	MP-03-(160-187)-202311	Water	11/07/23 11:40	11/09/23 09:45
320-106878-19	MP-03-(120-157)-202311	Water	11/07/23 12:05	11/09/23 09:45
320-106878-20	MP-03-(083-117)-202311	Water	11/07/23 12:18	11/09/23 09:45
320-106878-21	MP-03-(046-080)-202311	Water	11/07/23 12:30	11/09/23 09:45
320-106878-22	MP-04-(275-291)-202311	Water	11/06/23 14:00	11/09/23 09:45
320-106878-23	MP-04-(245-272)-202311	Water	11/06/23 14:20	11/09/23 09:45
320-106878-24	MP-04-(220-242)-202311	Water	11/06/23 14:35	11/09/23 09:45
320-106878-25	MP-04-(195-217)-202311	Water	11/06/23 14:45	11/09/23 09:45
320-106878-26	MP-04-(155-192)-202311	Water	11/06/23 15:00	11/09/23 09:45
320-106878-27	MP-04-(115-152)-202311	Water	11/06/23 15:15	11/09/23 09:45
320-106878-28	MP-04-(080-112)-202311	Water	11/06/23 15:30	11/09/23 09:45
320-106878-29	MP-04-(048-077)-202311	Water	11/06/23 15:45	11/09/23 09:45
320-106878-30	MP-05-(SWL-065)-202311	Water	11/06/23 13:00	11/09/23 09:45
320-106878-31	MP-06-(148-178)-202311	Water	11/07/23 08:25	11/09/23 09:45
320-106878-32	MP-06-(113-145)-202311	Water	11/07/23 08:44	11/09/23 09:45
320-106878-33	MP-06-(073-110)-202311	Water	11/07/23 09:24	11/09/23 09:45
320-106878-34	MP-06-(036-070)-202311	Water	11/07/23 09:35	11/09/23 09:45
320-106878-35	MP-06-(021-033)-202311	Water	11/07/23 10:15	11/09/23 09:45
320-106878-36	MP-07-(220-258)-202311	Water	11/06/23 11:00	11/09/23 09:45
320-106878-37	MP-07-(195-217)-202311	Water	11/06/23 11:15	11/09/23 09:45
320-106878-38	MP-07-(155-192)-202311	Water	11/06/23 11:30	11/09/23 09:45
320-106878-39	MP-07-(115-152)-202311	Water	11/06/23 11:45	11/09/23 09:45
320-106878-40	MP-07-(080-112)-202311	Water	11/06/23 12:00	11/09/23 09:45
320-106878-41	MP-07-(048-077)-202311	Water	11/06/23 12:15	11/09/23 09:45
320-106878-42	MP-08-(220-246)-202311	Water	11/06/23 08:35	11/09/23 09:45
320-106878-43	MP-08-(195-217)-202311	Water	11/06/23 08:50	11/09/23 09:45
320-106878-44	MP-08-(155-192)-202311	Water	11/06/23 09:40	11/09/23 09:45
320-106878-45	MP-08-(115-152)-202311	Water	11/06/23 09:55	11/09/23 09:45
320-106878-46	MP-08-(080-112)-202311	Water	11/06/23 10:15	11/09/23 09:45
320-106878-47	MP-08-(048-077)-202311	Water	11/06/23 10:30	11/09/23 09:45
320-106878-48	DUP-01-202311	Water	11/06/23 00:00	11/09/23 09:45
320-106878-49	DUP-02-202311	Water	11/06/23 00:00	11/09/23 09:45
320-106878-50	DUP-03-202311	Water	11/06/23 00:00	11/09/23 09:45
320-106878-51	DUP-04-202311	Water	11/06/23 00:00	11/09/23 09:45
320-106878-52	DUP-05-202311	Water	11/06/23 00:00	11/09/23 09:45
320-106878-53	DUP-06-202311	Water	11/07/23 00:00	11/09/23 09:45
320-106878-54	DUP-07-202311	Water	11/06/23 00:00	11/09/23 09:45

Sample Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-106878-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-106878-55	DUP-08-202311	Water	11/08/23 00:00	11/09/23 09:45
320-106878-56	FB-01-202311	Water	11/08/23 10:30	11/09/23 09:45
320-106878-57	EB-01-202311	Water	11/06/23 08:20	11/09/23 09:45
320-106878-58	EB-02-202311	Water	11/06/23 10:55	11/09/23 09:45
320-106878-59	EB-03-202311	Water	11/06/23 12:55	11/09/23 09:45
320-106878-60	EB-04-202311	Water	11/06/23 13:55	11/09/23 09:45
320-106878-61	EB-05-202311	Water	11/07/23 08:15	11/09/23 09:45
320-106878-62	EB-06-202311	Water	11/07/23 10:55	11/09/23 09:45
320-106878-63	EB-07-202311	Water	11/07/23 13:20	11/09/23 09:45
320-106878-64	EB-08-202311	Water	11/08/23 08:00	11/09/23 09:45

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Chain of Custody Record

Client Information		Sampler: Marshal Toffe	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 1/5	
Company: TRC		PWSID:		Job #:		
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Analysis Requested		
City: West Allis		TAT Requested (days): Standard 10-Day		Preservation Codes		
State, Zip: WI 53214		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 F MeOH Q Na2SO3 G Amchlor R H2SO4 S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone V MCAA J DI Water W pH 4-5 K EDTA L EDA Z other (specify) Other:		
Phone: 414.294.9247		PO #: 178604		Total Number of containers: <input checked="" type="checkbox"/> N <input type="checkbox"/> X		
Email: jramey@trccompanies.com		WO #: _____		Special Instructions/Note		
Project Name: RockGen Phase 2		Project #: 451482		Field Filled Sample (Yes or No) <input checked="" type="checkbox"/> N <input type="checkbox"/> X		
Site: RockGen		SSOW#: _____		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N <input type="checkbox"/> X		
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Preservation Code
MP-01-(277-293)-202311	11/8/23	8:15	G	GW		
MP-01-(253-274)-202311	11/8/23	8:43	G	GW		
MP-01-(223-250)-202311	11/8/23	8:53	G	GW		
MP-01-(198-220)-202311	11/8/23	9:10	G	GW		
MP-01-(155-195)-202311	11/8/23	9:24	G	GW		
MP-01-(121-152)-202311	11/8/23	9:37	G	GW		
MP-01-(091-118)-202311	11/8/23	9:45	G	GW		
MP-01-(051-088)-202311	11/8/23	10:00	G	GW		
MP-02-(279-300)-202311	11/7/23	13:24	G	GW		
MP-02-(253-276)-202311	11/7/23	13:40	G	GW		
MP-02-(223-250)-202311	11/7/23	14:03	G	GW		
MP-02-(198-220)-202311	11/7/23	14:17	G	GW		
MP-02-(153-195)-202311	11/7/23	14:40	G	GW		
MP-03-(280-300)-202311	11/7/23	11:00	G	GW		
MP-03-(245-277)-202311	11/7/23	11:12	G	GW		
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		Special Instructions/QC Requirements		
Deliverable Requested I II III IV Other (specify)		Empty Kit Relinquished by		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Relinquished by: Marshal Toffe		Date: 11/8/2023 at 16:30		Method of Shipment:		
Relinquished by:		Date/Time: 11/9/23 9:45		Company:		
Relinquished by:		Date/Time:		Company:		
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. 3-0		Cooler Temperature(s) °C and Other Remarks:		



Chain of Custody Record

Client Information		Sampler: Marshal Toife		Lab PM: Micah Smith		Center 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		Analysis Requested		Job #:		Preservation Codes	
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note	
City: West Allis		TAT Requested (days): Standard 10-Day		Perform MS/MSD (Yes or No)				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	
State, Zip: WI 53214		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Phone: 414 294 9247		PO #: 178804		Sample Date		Sample Time		Matrix (Water, Solid, On-water, Off-Tissue, AA&P)	
Email: Jramey@trccompanies.com		WO #: 451482		Sample Date		Sample Time		Preservation Code	
Project Name: RockGen Phase 2		Project #: 451482		Sample Date		Sample Time		Matrix	
Site: RockGen		SSOW#:		Sample Date		Sample Time		Preservation Code	
Sample Identification		Sample Date		Sample Time		Sample Type		Matrix	
MP-03-(220-242)-202311		11/7/23		11 22		G		GW	
MP-03-(190-217)-202311		11/7/23		11 30		G		GW	
MP-03-(160-187)-202311		11/7/23		11 40		G		GW	
MP-03-(120-157)-202311		11/7/23		12 05		G		GW	
MP-03-(083-117)-202311		11/7/23		12 18		G		GW	
MP-03-(046-080)-202311		11/7/23		12 30		G		GW	
MP-04-(275-281)-202311		11/6/23		14 00		G		GW	
MP-04-(245-272)-202311		11/6/23		14 20		G		GW	
MP-04-(220-242)-202311		11/6/23		14 35		G		GW	
MP-04-(195-217)-202311		11/6/23		14 45		G		GW	
MP-04-(155-192)-202311		11/6/23		15 00		G		GW	
MP-04-(115-152)-202311		11/6/23		15 15		G		GW	
MP-04-(080-112)-202311		11/6/23		15 30		G		GW	
MP-04-(048-077)-202311		11/6/23		15 45		G		GW	
MP-05-(SWL-065)-202311		11/6/23		13 00		G		GW	
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:									
Relinquished by: Marshal Toife									
Relinquished by:									
Relinquished by:									
Relinquished by:									
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No									
Custody Seal No									
Cooler Temperature(s) °C and Other Remarks: 3.0									
Special Instructions/QC Requirements:									
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 <input type="checkbox"/> Months									
Method of Shipment:									
Date/Time: 11/9/23 9:45									
Date/Time:									
Date/Time:									
Date/Time:									
Date/Time:									

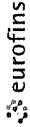


Chain of Custody Record

Client Information		Sampler: Marshal Toffe		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 4/5	
Company: TRC		PWSID:		Analysis Requested		Job #:		Preservation Codes	
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers		M Hexane N None O AsNaO2 P Na2O4S Q Na2SO3 R Na2SO3 S H2SO4 T TSP Dodecahydrate U Acetone V DI Water W PH 4-5 X EDTA Y EDA Z other (specify)	
City: West Allis		TAT Requested (days): Standard 10-Day		Perform MS/MSD (Yes or No)		P FAS (M-13)		Special Instructions/Note	
State, Zip: WI 53214		Compliance Project: Δ Yes Δ No		Sample Date		Sample Time			
Phone: 414 294 9247		PO #: 178804		Sample Type (C=Comp, G=grab)		Matrix (Water, Solid, Other)			
Email: jramey@trccompanies.com		WC #: 451482		Preservation Code		Preservation Code			
Project Name: RockGen Phase 2		Project #: 451482		Sample Date		Sample Time			
Site: RockGen		SSOW#:		Sample Date		Sample Time			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Water, Solid, Other)	
MP-08-(080-112)-202311		11/6/23		10 15		G		GW	
MP-08-(048-077)-202311		11/6/23		10 30		G		GW	
DUP-01-202311						G		GW	
DUP-02-202311						G		GW	
DUP-03-202311						G		GW	
DUP-04-202311						G		GW	
DUP-05-202311						G		GW	
DUP-06-202311						G		GW	
DUP-07-202311						G		GW	
DUP-08-202311						G		GW	
FB-01-202311		11/8/23		10 30		G		W	
EB-01-202311		11/6/23		8 20		G		W	
EB-02-202311		11/6/23		10 55		G		W	
EB-03-202311		11/6/23		12 55		G		W	
EB-04-202311		11/6/23		13 55		G		W	
Possible Hazard Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Water, Solid, Other)	
<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		Time		Method of Shipment:			
Relinquished by: Marshal Toffe		Date/Time: 11/8/2023 at 16 30				Received by:		Date/Time: 11/13/23 945	
Relinquished by:		Date/Time:				Received by:		Date/Time:	
Relinquished by:		Date/Time:				Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 30					



Chain of Custody Record



Client Information		Sampler: Marshall Toft	Lab PM: Micah Smith	Carrier Tracking No(s):	GOC No:		
Client Contact: Jeff Ramey		Phone: 608-630-4732	E-Mail: m.cash.smith@et.eurofins.com	State of Origin: Wisconsin	Page: 5/5		
Company: TRC		PWSID:		Job #:			
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Analysis Requested			
City: West Allis		TAT Requested (days): Standard 10-Day		Preservation Codes			
State, Zip: WI 53214		Compliance Project: Δ Yes Δ No		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			
Phone: 414 294 9247		PO #: 178804		M Hexane N None O As/NaO2 P Na2O/S Q Na2SO3 R Na2SO4 S TSP Dodecahydrate T U Acetone V MCAA W pH 4-5 Z other (specify)			
Email: jramey@trccompanies.com		WO #:		Total Number of Containers			
Project Name: RockGen Phase 2		Project #: 451482		Special Instructions/Note			
Site: RockGen		SSOW#:					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PAS (W-1-3)
EB-05-202311	11/7/23	8:15	G	W	N	X	X
EB-06-202311	11/7/23	10:55	G	W	N	X	X
EB-07-202311	11/7/23	13:20	G	W	N	X	X
EB-08-202311	11/8/23	8:00	G	W	N	X	X
<p>Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)</p> <p>Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____</p> <p>Relinquished by: Marshall Toft Date/Time: 11/8/2023 at 16:30 Company: TRC</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seals Intact: Custody Seal No Δ Yes Δ No</p>							





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc: 320
106878

Tracking # 7861 2442 5396

Job _____

SO / RO / 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>610</u> Corr. Factor (+/-) _____ °C	Notes: _____
Ice _____ Wet _____ Gel _____ Other _____	<u>NO time</u>
Cooler Custody Seal _____	<u>Sk, 60, 61</u>
Cooler ID _____	<u>(S7) 0840</u>
Temp Observed <u>30</u> °C Corrected <u>30</u> °C	<u>(S8) 1105</u>
From Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/>	<u>(S9) 1220</u>
Opening/Processing The Shipment	<u>NO time; date</u>
Cooler compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	<u>02-04, 52, 54</u>
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	<u>date 11/6</u>
Frozen samples show signs of thaw? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	<u>48-51</u>
Initials <u>JF</u> Date <u>11/9/23</u>	<u>(S3) Date 11/7</u>
Unpacking/Labeling The Samples	<u>(S8) Date 11/8</u>
Containers are not broken or leaking? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Trizma Lot #(s) _____
Samples compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	_____
COC is complete w/o discrepancies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	Ammonium _____
Sample custody seal? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	Acetate Lot #(s) _____
Sample containers have legible labels? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	_____
Sample date/times are provided? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	_____
Appropriate containers are used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	_____
Sample bottles are completely filled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	_____
Sample preservatives verified? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	_____
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	Login Completion
Samples w/o discrepancies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	Receipt Temperature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Zero headspace?* <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	NCM Filed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Alkalinity has no headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	Samples received within hold time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Perchlorate has headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	Log Release checked in TALS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
(Methods 314, 331, 6850)	
Multiphasic samples are not present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
<small>*Containers requiring zero headspace have no headspace or bubble < 6 mm (1/4)</small>	
Initials <u>SO</u> Date <u>11/9/23</u>	Initials <u>SO</u> Date <u>11/9/23</u>

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



Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 780 / 2442 3400

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>110</u> Corr. Factor (+/-) _____ °C	Notes: <u>Hold w/ine Both</u> <u>45, 50, 52, 54, 55, 53</u> <u>43, 47, 8, 46, 41, 35</u> <u>40,</u>																				
Ice <input checked="" type="checkbox"/> Wet _____ Gel _____ Other _____																					
Cooler Custody Seal: _____																					
Cooler ID _____																					
Temp Observed <u>3.2</u> °C Corrected <u>3.2</u> °C From Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/>																					
Opening/Processing The Shipment																					
Cooler compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA																					
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Frozen samples show signs of thaw? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Initials <u>JF</u> Date <u>11/9/23</u>																					
Unpacking/Labeling The Samples	Trizma Lot #(s) _____ Ammonium Acetate Lot #(s) _____																				
Containers are not broken or leaking? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Samples compromised/tampered with? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA																					
COC is complete w/o discrepancies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Sample custody seal? <u>(1/9/11)</u> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Sample containers have legible labels? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Sample date/times are provided? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Appropriate containers are used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Sample bottles are completely filled? <u>S</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
Sample preservatives verified? <u>(1/9/11)</u> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Is the Field Sampler's name on COC? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> NA	<table border="0"> <tr> <td>Login Completion</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>	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"/>
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"/>																	
Samples w/o discrepancies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA																					
Zero headspace?* <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Alkalinity has no headspace? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Perchlorate has headspace? (Methods 314, 331, 6850) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA																					
Multiphasic samples are not present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA																					
*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")																					
Initials <u>S</u> Date <u>11/9/23</u>	Initials <u>S</u> Date <u>11/9/23</u>																				

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-106878-1

Login Number: 106878

List Source: Eurofins Sacramento

List Number: 1

Creator: Fisher, Jamyiah L

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

