eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/31/2023 1:18:07 PM Revision 1

JOB DESCRIPTION

451482 RockGen

JOB NUMBER

320-101519-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

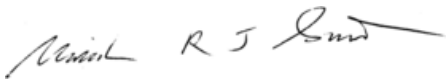
Eurofins Sacramento

Job Notes

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

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

Authorization



Generated
7/31/2023 1:18:07 PM
Revision 1

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

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.
¤	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

Job ID: 320-101519-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-101519-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 7/21/2023. The report (revision 1) is being revised to correct the sample IDs to all list the ending ID as -202306. Also, the collection time for sample MP-05-(SWL-065)-202306 (320-101519-30) was corrected to 06/12/2023, as requested.

Receipt
The samples were received on 6/15/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.0º C, 2.4º C, 2.6º C and 2.9º C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MP-01-(277-293)-202306 (320-101519-1), MP-01-(253-274)-202306 (320-101519-2), MP-01-(223-250)-202306 (320-101519-3), MP-01-(198-220)-202306 (320-101519-4), MP-01-(155-195)-202306 (320-101519-5), MP-01-(121-152)-202306 (320-101519-6), MP-01-(091-118)-202306 (320-101519-7), MP-01-(051-088)-202306 (320-101519-8), MP-02-(279-300)-202306 (320-101519-9), MP-02-(253-276)-202306 (320-101519-10), MP-02-(223-250)-202306 (320-101519-11), MP-02-(198-220)-202306 (320-101519-12), MP-03-(220-242)-202306 (320-101519-16), MP-03-(190-217)-202306 (320-101519-17), MP-03-(160-187)-202306 (320-101519-18), MP-03-(120-157)-202306 (320-101519-19), MP-03-(083-117)-202306 (320-101519-20), MP-03-(046-080)-202306 (320-101519-21), MP-04-(275-291)-202306 (320-101519-22), MP-04-(245-272)-202306 (320-101519-23), MP-04-(220-242)-202306 (320-101519-24), MP-04-(195-217)-202306 (320-101519-25), MP-04-(155-192)-202306 (320-101519-26), MP-04-(115-152)-202306 (320-101519-27), MP-04-(080-112)-202306 (320-101519-28), MP-04-(048-077)-202306 (320-101519-29) and MP-05-(SWL-065)-202306 (320-101519-30). Samples 1-12 & 16-30, all containers have ID ending 202306 but COC has ID ending in 202210. Samples were logged in based on the IDs listed on the samples containers.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: MP-08-(80-112)-202306 (320-101519-46)

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-688914 recovery above the upper control limit for Perfluorododecanesulfonic acid (PFDoS). The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: MP-03-(280-300)-202306 (320-101519-14), MP-03-(245-277)-202306 (320-101519-15), MP-03-(220-242)-202306 (320-101519-16), MP-03-(190-217)-202306 (320-101519-17), MP-03-(160-187)-202306 (320-101519-18), MP-03-(120-157)-202306 (320-101519-19), MP-03-(083-117)-202306 (320-101519-20) and (CCV 320-688914/1).

Method 537 (modified): Results for samples DUP-02-202306 (320-101519-49) and DUP-04-202306 (320-101519-51) 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-07-(115-152)-202306 (320-101519-39) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for samples MP-04-(155-192)-202306 (320-101519-26), MP-04-(115-152)-202306 (320-101519-27) and MP-04-(080-112)-202306 (320-101519-28) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits.

Job ID: 320-101519-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: MP-04-(048-077)-202306 (320-101519-29).

Method 537 (modified): Results for samples MP-01-(155-195)-202306 (320-101519-5), MP-01-(121-152)-202306 (320-101519-6), MP-01-(091-118)-202306 (320-101519-7), MP-01-(051-088)-202306 (320-101519-8), MP-02-(198-220)-202306 (320-101519-12) and MP-02-(153-195)-202306 (320-101519-13) 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): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: MP-01-(155-195)-202306 (320-101519-5).

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(091-118)-202306 (320-101519-7) and MP-01-(051-088)-202306 (320-101519-8). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The samples were re-analyzed with concurring results.

Method 537 (modified): Results for samples MP-01-(091-118)-202306 (320-101519-7) and MP-01-(051-088)-202306 (320-101519-8) 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): Isotope Dilution Analyte (IDA) recovery of M2-6:2 FTS is above the method recommended limit for the following samples: MP-01-(155-195)-202306 (320-101519-5) and MP-01-(121-152)-202306 (320-101519-6). Since the high recovery is due to matrix interferences, the analytes associated with this IDA may have a low bias. The client chose to narrate the high IDA recovery, as opposed to analyzing via complex dilution.

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-688180, 320-688180, 320-688180 and 320-688180.

Method 3535: The following sample in preparation batch 320-688180 was observed to have floating particulates present in the sample bottle. DUP-06-202306 (320-101519-53)

Method 3535: The following samples in preparation batch 320-688436 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-01-(277-293)-202306 (320-101519-1), MP-01-(253-274)-202306 (320-101519-2), MP-01-(223-250)-202306 (320-101519-3), MP-01-(198-220)-202306 (320-101519-4), MP-02-(279-300)-202306 (320-101519-9), MP-02-(253-276)-202306 (320-101519-10), MP-02-(223-250)-202306 (320-101519-11), MP-02-(198-220)-202306 (320-101519-12) and MP-02-(153-195)-202306 (320-101519-13)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-688436.

Method 3535: The following samples in preparation batch 320-688432 were slightly yellow in color prior to extraction. MP-03-(280-300)-202306 (320-101519-14), MP-03-(245-277)-202306 (320-101519-15), MP-03-(220-242)-202306 (320-101519-16), MP-03-(190-217)-202306 (320-101519-17), MP-04-(245-272)-202306 (320-101519-23), MP-04-(220-242)-202306 (320-101519-24) and MP-04-(195-217)-202306 (320-101519-25)

Method 3535: The following samples in preparation batch 320-688434 were slightly yellow in color prior to extraction MP-04-(155-192)-202306 (320-101519-26), MP-06-(148-178)-202306 (320-101519-31), MP-06-(113-145)-202306 (320-101519-32), MP-07-(220-258)-202306 (320-101519-36) and MP-07-(195-217)-202306 (320-101519-37)

Method 3535: The following samples in preparation batch 320-688434 were orange in color prior to extraction. MP-05-(SWL-065)-202306 (320-101519-30) and MP-06-(21-33)-202306 (320-101519-35)

Job ID: 320-101519-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

Method 3535: The following samples in preparation batch 320-688434 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-05-(SWL-065)-202306 (320-101519-30), MP-06-(148-178)-202306 (320-101519-31) and MP-06-(21-33)-202306 (320-101519-35)

Method 3535: During the solid phase extraction process, the following sample contain non-settable particulates which clogged the solid phase extraction column: MP-05-(SWL-065)-202306 (320-101519-30).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-688432.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-688434.

Method 3535: The following samples in preparation batch 320-688626 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-07-(155-192)-202306 (320-101519-38), MP-07-(115-152)-202306 (320-101519-39), MP-07-(80-112)-202306 (320-101519-40), MP-07-(48-77)-202306 (320-101519-41) and MP-08-(220-246)-202306 (320-101519-42).

Method 3535: The following sample was inadvertently eluted outside of the collection vessel in error: MP-08-(155-192)-202306 (320-101519-44).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 320-688626.

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

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(277-293)-202306 — Lab Sample ID: 320-101519-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.67	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.25	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	3.7	J	4.9	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.4	J	2.0	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(253-274)-202306 — Lab Sample ID: 320-101519-2

No Detections.

Client Sample ID: MP-01-(223-250)-202306 — Lab Sample ID: 320-101519-3

No Detections.

Client Sample ID: MP-01-(198-220)-202306 — Lab Sample ID: 320-101519-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.9	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	14		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.9		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.6		2.0	0.84	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.78	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	130		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	9.1		2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(155-195)-202306 — Lab Sample ID: 320-101519-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	350		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	64		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	11		2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.86	J I	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.65	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.6		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	20		2.2	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.3	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA
4:2 FTS	71		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1500		44	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		44	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	530		44	5.6	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1100		44	19	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	7600		110	56	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1500		44	10	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(121-152)-202306 — Lab Sample ID: 320-101519-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	360		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	77		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	14		2.2	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.92	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.69	J	2.2	0.33	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample ID: MP-01-(121-152)-202306 (Continued) — Lab Sample ID: 320-101519-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	6.9		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	24		2.2	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.5	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA
4:2 FTS	70		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1700		44	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1300		44	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	550		44	5.6	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1200		44	19	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	6900		110	56	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1900		44	10	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(091-118)-202306 — Lab Sample ID: 320-101519-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	300		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	50		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	10		2.1	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.61	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.41	J	2.1	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.3		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	14		2.1	0.56	ng/L	1		537 (modified)	Total/NA
4:2 FTS	57		2.1	0.25	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1400		42	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1000		42	12	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	440		42	5.2	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	830		42	18	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1200		42	9.6	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL2	6000		520	260	ng/L	100		537 (modified)	Total/NA

Client Sample ID: MP-01-(051-088)-202306 — Lab Sample ID: 320-101519-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	70		2.3	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	27		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)	0.81	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.52	J	2.3	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.5		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	62		2.3	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	500		110	54	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2100		45	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1700		45	13	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	880		45	5.6	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1400		45	19	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	2900		45	10	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL2	6500		560	280	ng/L	100		537 (modified)	Total/NA

Client Sample ID: MP-02-(279-300)-202306 — Lab Sample ID: 320-101519-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-02-(253-276)-202306 — Lab Sample ID: 320-101519-10

No Detections.

Client Sample ID: MP-02-(223-250)-202306 — Lab Sample ID: 320-101519-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	0.56	J	2.2	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-(198-220)-202306 — Lab Sample ID: 320-101519-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	35		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	160		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	100		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	35		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	32		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.3		2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.1		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	23		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	560		25	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202306 — Lab Sample ID: 320-101519-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	71		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	290		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	200		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	87		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	89		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	9.8		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.5		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	220		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1100		25	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-03-(280-300)-202306 — Lab Sample ID: 320-101519-14

No Detections.

Client Sample ID: MP-03-(245-277)-202306 — Lab Sample ID: 320-101519-15

No Detections.

Client Sample ID: MP-03-(220-242)-202306 — Lab Sample ID: 320-101519-16

No Detections.

Client Sample ID: MP-03-(190-217)-202306 — Lab Sample ID: 320-101519-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA) - RA	2.8		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	1.9	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	0.88	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RA	0.90	J	2.0	0.84	ng/L	1		537 (modified)	Total/NA
6:2 FTS - RA	11		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS - RA	0.70	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-03-(160-187)-202306 — Lab Sample ID: 320-101519-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA) - RA	23		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RA	130		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	64		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	25		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RA	22		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA) - RA	1.7	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA) - RA	0.37	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA) - RA	1.6	J	1.9	0.92	ng/L	1		537 (modified)	Total/NA
4:2 FTS - RA	0.87	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
6:2 FTS - RA	160		4.7	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS - RA	12		1.9	0.43	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(120-157)-202306 — Lab Sample ID: 320-101519-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA) - RA	16		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RA	24		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	15		2.2	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	11		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RA	8.0		2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS) - RA	0.46	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - RA	1.4	J	2.2	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA) - RA	1.8	J	2.2	1.1	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(083-117)-202306 — Lab Sample ID: 320-101519-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA) - RA	24		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RA	42		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	26		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	38		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RA	19		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA) - RA	1.6	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA) - RA	0.43	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS) - RA	0.58	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - RA	1.0	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
8:2 FTS - RA	3.1		1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(046-080)-202306 — Lab Sample ID: 320-101519-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA) - RA	50		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RA	170		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RA	96		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RA	96		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RA	16		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA) - RA	1.3	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-03-(046-080)-202306 (Continued) — Lab Sample ID: 320-101519-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS) - RA	0.53	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(275-291)-202306 — Lab Sample ID: 320-101519-22

No Detections.

Client Sample ID: MP-04-(245-272)-202306 — Lab Sample ID: 320-101519-23

No Detections.

Client Sample ID: MP-04-(220-242)-202306 — Lab Sample ID: 320-101519-24

No Detections.

Client Sample ID: MP-04-(195-217)-202306 — Lab Sample ID: 320-101519-25

No Detections.

Client Sample ID: MP-04-(155-192)-202306 — Lab Sample ID: 320-101519-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	30		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	140		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	95		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	30		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	38		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.0		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.68	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.21	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.71	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.5		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	26		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	640		25	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(115-152)-202306 — Lab Sample ID: 320-101519-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	190		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	180		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	300		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	15		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.7	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.79	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.62	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.7		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.0		2.0	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.4	J	2.0	0.99	ng/L	1		537 (modified)	Total/NA
4:2 FTS	46		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	260		2.0	0.46	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	860		40	9.9	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	670		40	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3600		100	51	ng/L	20		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-04-(080-112)-202306 — Lab Sample ID: 320-101519-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	160		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	200		2.2	0.92	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.5		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.60	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		2.2	0.59	ng/L	1		537 (modified)	Total/NA
4:2 FTS	26		2.2	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	23		2.2	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	820		22	5.3	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	490		22	6.3	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1900		54	27	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-04-(048-077)-202306 — Lab Sample ID: 320-101519-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.2	J	6.0	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.8		2.4	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.7		2.4	0.69	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.62	J	2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.61	J I	2.4	0.24	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-05-(SWL-065)-202306 — Lab Sample ID: 320-101519-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	24		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	54		2.1	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	33		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.8		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.2	J	2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.93	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(148-178)-202306 — Lab Sample ID: 320-101519-31

No Detections.

Client Sample ID: MP-06-(113-145)-202306 — Lab Sample ID: 320-101519-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.64	J	2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.50	J	2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.1	J	2.1	0.90	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(73-110)-202306 — Lab Sample ID: 320-101519-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.4	J	2.2	0.54	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)	1.1	J	2.2	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	2.8		2.2	1.1	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(36-70)-202306 — Lab Sample ID: 320-101519-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		5.5	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	45		2.2	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	28		2.2	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	35		2.2	0.94	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.9		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-06-(21-33)-202306 — Lab Sample ID: 320-101519-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	26		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	100		2.2	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	71		2.2	0.65	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	66		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	78		2.2	0.95	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	14		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.65	J	2.2	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.26	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.67	J	2.2	0.61	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.4	J	5.6	2.8	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.8		2.2	0.52	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(220-258)-202306 — Lab Sample ID: 320-101519-36

No Detections.

Client Sample ID: MP-07-(195-217)-202306 — Lab Sample ID: 320-101519-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.0	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.0	J	4.9	2.5	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(155-192)-202306 — Lab Sample ID: 320-101519-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	14		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	9.4		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.0		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.3		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.28	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.35	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	40		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.1	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(115-152)-202306 — Lab Sample ID: 320-101519-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	50		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	190		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	140		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	41		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	41		2.0	0.86	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample ID: MP-07-(115-152)-202306 (Continued) — Lab Sample ID: 320-101519-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	2.6		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.32	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.98	J	2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.8		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	14		2.0	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	660		25	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-07-(80-112)-202306 — Lab Sample ID: 320-101519-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.76	J	2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.63	J	2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	7.2		2.1	0.21	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-07-(48-77)-202306 — Lab Sample ID: 320-101519-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	7.5		2.4	0.24	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(220-246)-202306 — Lab Sample ID: 320-101519-42

No Detections.

Client Sample ID: MP-08-(195-217)-202306 — Lab Sample ID: 320-101519-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(155-192)-202306 — Lab Sample ID: 320-101519-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.28	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(115-152)-202306 — Lab Sample ID: 320-101519-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.74	J	2.0	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(80-112)-202306 — Lab Sample ID: 320-101519-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	71		5.3	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	290		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	29		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		2.1	0.90	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.84	J I	2.1	0.21	ng/L	1		537 (modified)	Total/NA
4:2 FTS	8.4		2.1	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	45		5.3	2.7	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-08-(48-77)-202306 — Lab Sample ID: 320-101519-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-08-(48-77)-202306 (Continued) — Lab Sample ID: 320-101519-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	13		2.0	0.20	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-01-202306 — Lab Sample ID: 320-101519-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	14		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	11		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.2		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.4		2.0	0.84	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.69	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	120		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	7.8		2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-02-202306 — Lab Sample ID: 320-101519-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	71		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	300		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	210		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	100		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	97		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
Perfluorodecanoic acid (PFDA)	2.2		2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.60	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	2.1	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.5		2.1	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	190		2.1	0.49	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	930		27	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: DUP-03-202306 — Lab Sample ID: 320-101519-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	110		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	70		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	23		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	21		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.7	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.31	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.89	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	140		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	8.4		2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-04-202306 — Lab Sample ID: 320-101519-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	200		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	190		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	280		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.75	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-04-202306 (Continued) — Lab Sample ID: 320-101519-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanesulfonic acid (PFPeS)	0.54	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.0		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.6		2.0	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	2.1		2.0	0.99	ng/L	1		537 (modified)	Total/NA
4:2 FTS	41		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	250		2.0	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	840		41	9.9	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	630		41	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3600		100	51	ng/L	20		537 (modified)	Total/NA

Client Sample ID: DUP-05-202306 — Lab Sample ID: 320-101519-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	52		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	37		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.9		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.3	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.82	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-06-202306 — Lab Sample ID: 320-101519-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	25		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	99		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	80		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	71		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	92		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	12		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.60	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.29	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.7	J	4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.2	J	1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-07-202306 — Lab Sample ID: 320-101519-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.2	J	5.3	2.6	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)	10		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.3		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.2		2.1	0.91	ng/L	1		537 (modified)	Total/NA
6:2 FTS	49		5.3	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.5	J	2.1	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-08-202306 — Lab Sample ID: 320-101519-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.37	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
NMeFOSE	2.0	J	4.0	1.4	ng/L	1		537 (modified)	Total/NA
NEtFOSE	2.4		2.0	0.85	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: FB-01-202306 — Lab Sample ID: 320-101519-56

No Detections.

Client Sample ID: EB-01-202306 — Lab Sample ID: 320-101519-57

No Detections.

Client Sample ID: EB-02-202306 — Lab Sample ID: 320-101519-58

No Detections.

Client Sample ID: EB-03-202306 — Lab Sample ID: 320-101519-59

No Detections.

Client Sample ID: EB-04-202306 — Lab Sample ID: 320-101519-60

No Detections.

Client Sample ID: EB-05-202306 — Lab Sample ID: 320-101519-61

No Detections.

Client Sample ID: EB-06-202306 — Lab Sample ID: 320-101519-62

No Detections.

Client Sample ID: EB-07-202306 — Lab Sample ID: 320-101519-63

No Detections.

Client Sample ID: EB-08-202306 — Lab Sample ID: 320-101519-64

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-01-(277-293)-202306

Date Collected: 06/14/23 09:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-1

Matrix: Water

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		07/06/23 11:50	07/15/23 13:14	1
Perfluoropentanoic acid (PFPeA)	**0.67**	**J**	2.0	0.48	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluoroheptanoic acid (PFHpA)	**0.25**	**J**	2.0	0.25	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/06/23 11:50	07/15/23 13:14	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/06/23 11:50	07/15/23 13:14	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 13:14	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:50	07/15/23 13:14	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:50	07/15/23 13:14	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:50	07/15/23 13:14	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/06/23 11:50	07/15/23 13:14	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 13:14	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 13:14	1
6:2 FTS	**3.7**	**J**	4.9	2.5	ng/L		07/06/23 11:50	07/15/23 13:14	1
8:2 FTS	**1.4**	**J**	2.0	0.45	ng/L		07/06/23 11:50	07/15/23 13:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/06/23 11:50	07/15/23 13:14	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/06/23 11:50	07/15/23 13:14	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 13:14	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 13:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C5 PFPeA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C2 PFHxA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C4 PFHpA	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C4 PFOA	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C5 PFNA	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C2 PFDA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C2 PFUnA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C2 PFDoA	*121*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C2 PFTeDA	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
13C3 PFBS	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*
18O2 PFHxS	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:14*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(277-293)-202306

Lab Sample ID: 320-101519-1

Date Collected: 06/14/23 09:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	126		25 - 150	07/06/23 11:50	07/15/23 13:14	1
13C8 FOSA	126		10 - 150	07/06/23 11:50	07/15/23 13:14	1
d3-NMeFOSAA	119		25 - 150	07/06/23 11:50	07/15/23 13:14	1
d5-NEtFOSAA	126		25 - 150	07/06/23 11:50	07/15/23 13:14	1
d-N-MeFOSA-M	106		10 - 150	07/06/23 11:50	07/15/23 13:14	1
d-N-EtFOSA-M	104		10 - 150	07/06/23 11:50	07/15/23 13:14	1
d7-N-MeFOSE-M	110		10 - 150	07/06/23 11:50	07/15/23 13:14	1
d9-N-EtFOSE-M	116		10 - 150	07/06/23 11:50	07/15/23 13:14	1
M2-4:2 FTS	108		25 - 150	07/06/23 11:50	07/15/23 13:14	1
M2-6:2 FTS	104		25 - 150	07/06/23 11:50	07/15/23 13:14	1
M2-8:2 FTS	115		25 - 150	07/06/23 11:50	07/15/23 13:14	1
13C3 HFPO-DA	122		25 - 150	07/06/23 11:50	07/15/23 13:14	1

Client Sample ID: MP-01-(253-274)-202306

Lab Sample ID: 320-101519-2

Date Collected: 06/14/23 09:15

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:50	07/15/23 13:25	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/06/23 11:50	07/15/23 13:25	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/06/23 11:50	07/15/23 13:25	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 13:25	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:50	07/15/23 13:25	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:50	07/15/23 13:25	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:50	07/15/23 13:25	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/06/23 11:50	07/15/23 13:25	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 13:25	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 13:25	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/06/23 11:50	07/15/23 13:25	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:50	07/15/23 13:25	1

Client Sample ID: MP-01-(253-274)-202306

Lab Sample ID: 320-101519-2

Date Collected: 06/14/23 09:15

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/06/23 11:50	07/15/23 13:25	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/06/23 11:50	07/15/23 13:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 13:25	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 13:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C5 PFPeA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C2 PFHxA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C4 PFHpA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C4 PFOA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C5 PFNA	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C2 PFDA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C2 PFUnA	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C2 PFDoA	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C3 PFBS	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
18O2 PFHxS	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C4 PFOS	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C8 FOSA	*115*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d-N-MeFOSA-M	*96*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d-N-EtFOSA-M	*90*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d7-N-MeFOSE-M	*94*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
d9-N-EtFOSE-M	*104*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
M2-4:2 FTS	*126*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
M2-8:2 FTS	*97*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*
13C3 HFPO-DA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:25*	*1*

Client Sample ID: MP-01-(223-250)-202306

Lab Sample ID: 320-101519-3

Date Collected: 06/14/23 09:29

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.7		5.7	2.7	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluoropentanoic acid (PFPeA)	<0.56		2.3	0.56	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorohexanoic acid (PFHxA)	<0.66		2.3	0.66	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.3	0.28	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorooctanoic acid (PFOA)	<0.96		2.3	0.96	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorodecanoic acid (PFDA)	<0.35		2.3	0.35	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.83		2.3	0.83	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		07/06/23 11:50	07/15/23 13:35	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(223-250)-202306
Date Collected: 06/14/23 09:29
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.65		2.3	0.65	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.3	0.61	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		07/06/23 11:50	07/15/23 13:35	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		07/06/23 11:50	07/15/23 13:35	1
NEtFOSA	<0.99		2.3	0.99	ng/L		07/06/23 11:50	07/15/23 13:35	1
NMeFOSA	<0.49		2.3	0.49	ng/L		07/06/23 11:50	07/15/23 13:35	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		07/06/23 11:50	07/15/23 13:35	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		07/06/23 11:50	07/15/23 13:35	1
NMeFOSE	<1.6		4.5	1.6	ng/L		07/06/23 11:50	07/15/23 13:35	1
NEtFOSE	<0.96		2.3	0.96	ng/L		07/06/23 11:50	07/15/23 13:35	1
4:2 FTS	<0.27		2.3	0.27	ng/L		07/06/23 11:50	07/15/23 13:35	1
6:2 FTS	<2.8		5.7	2.8	ng/L		07/06/23 11:50	07/15/23 13:35	1
8:2 FTS	<0.52		2.3	0.52	ng/L		07/06/23 11:50	07/15/23 13:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		07/06/23 11:50	07/15/23 13:35	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		07/06/23 11:50	07/15/23 13:35	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		07/06/23 11:50	07/15/23 13:35	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		07/06/23 11:50	07/15/23 13:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C5 PFPeA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C2 PFHxA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C4 PFHpA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C4 PFOA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C5 PFNA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C2 PFDA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C2 PFUnA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C3 PFBS	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
18O2 PFHxS	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C4 PFOS	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C8 FOSA	*111*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d-N-MeFOSA-M	*96*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d-N-EtFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d7-N-MeFOSE-M	*99*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
d9-N-EtFOSE-M	*97*		*10 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
M2-4:2 FTS	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*
13C3 HFPO-DA	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 13:35*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(198-220)-202306
Date Collected: 06/14/23 09:51
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.9**	**J**	5.0	2.4	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluoropentanoic acid (PFPeA)	**14**		2.0	0.49	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorohexanoic acid (PFHxA)	**11**		2.0	0.58	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluoroheptanoic acid (PFHpA)	**3.9**		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorooctanoic acid (PFOA)	**8.6**		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:50	07/15/23 14:06	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:50	07/15/23 14:06	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:50	07/15/23 14:06	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:50	07/15/23 14:06	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:50	07/15/23 14:06	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:50	07/15/23 14:06	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:50	07/15/23 14:06	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 14:06	1
4:2 FTS	**0.78**	**J**	2.0	0.24	ng/L		07/06/23 11:50	07/15/23 14:06	1
6:2 FTS	**130**		5.0	2.5	ng/L		07/06/23 11:50	07/15/23 14:06	1
8:2 FTS	**9.1**		2.0	0.46	ng/L		07/06/23 11:50	07/15/23 14:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:50	07/15/23 14:06	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:50	07/15/23 14:06	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 14:06	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 14:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C5 PFPeA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C2 PFHxA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C4 PFHpA	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C4 PFOA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C5 PFNA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C2 PFDA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C2 PFUnA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C2 PFDoA	*101*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
13C3 PFBS	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*
18O2 PFHxS	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:06*	*1*

Client Sample ID: MP-01-(198-220)-202306

Lab Sample ID: 320-101519-4

Date Collected: 06/14/23 09:51

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	118		25 - 150	07/06/23 11:50	07/15/23 14:06	1
13C8 FOSA	117		10 - 150	07/06/23 11:50	07/15/23 14:06	1
d3-NMeFOSAA	121		25 - 150	07/06/23 11:50	07/15/23 14:06	1
d5-NEtFOSAA	113		25 - 150	07/06/23 11:50	07/15/23 14:06	1
d-N-MeFOSA-M	101		10 - 150	07/06/23 11:50	07/15/23 14:06	1
d-N-EtFOSA-M	103		10 - 150	07/06/23 11:50	07/15/23 14:06	1
d7-N-MeFOSE-M	93		10 - 150	07/06/23 11:50	07/15/23 14:06	1
d9-N-EtFOSE-M	94		10 - 150	07/06/23 11:50	07/15/23 14:06	1
M2-4:2 FTS	119		25 - 150	07/06/23 11:50	07/15/23 14:06	1
M2-6:2 FTS	117		25 - 150	07/06/23 11:50	07/15/23 14:06	1
M2-8:2 FTS	101		25 - 150	07/06/23 11:50	07/15/23 14:06	1
13C3 HFPO-DA	118		25 - 150	07/06/23 11:50	07/15/23 14:06	1

Client Sample ID: MP-01-(155-195)-202306

Lab Sample ID: 320-101519-5

Date Collected: 06/14/23 10:07

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**350**		5.6	2.7	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorononanoic acid (PFNA)	**64**		2.2	0.30	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorodecanoic acid (PFDA)	**11**		2.2	0.34	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorobutanesulfonic acid (PFBS)	**0.86**	**J I**	2.2	0.22	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluoropentanesulfonic acid (PFPeS)	**0.65**	**J**	2.2	0.33	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorohexanesulfonic acid (PFHxS)	**6.6**		2.2	0.63	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorooctanesulfonic acid (PFOS)	**20**		2.2	0.60	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:50	07/15/23 14:16	1
Perfluorooctanesulfonamide (FOSA)	**1.3**	**J**	2.2	1.1	ng/L		07/06/23 11:50	07/15/23 14:16	1
NEtFOSA	<0.97		2.2	0.97	ng/L		07/06/23 11:50	07/15/23 14:16	1
NMeFOSA	<0.48		2.2	0.48	ng/L		07/06/23 11:50	07/15/23 14:16	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		07/06/23 11:50	07/15/23 14:16	1
NEtFOSAA	<1.4		5.6	1.4	ng/L		07/06/23 11:50	07/15/23 14:16	1
NMeFOSE	<1.6		4.4	1.6	ng/L		07/06/23 11:50	07/15/23 14:16	1
NEtFOSE	<0.94		2.2	0.94	ng/L		07/06/23 11:50	07/15/23 14:16	1
4:2 FTS	**71**		2.2	0.27	ng/L		07/06/23 11:50	07/15/23 14:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:50	07/15/23 14:16	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		07/06/23 11:50	07/15/23 14:16	1

Client Sample ID: MP-01-(155-195)-202306

Lab Sample ID: 320-101519-5

Date Collected: 06/14/23 10:07

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		07/06/23 11:50	07/15/23 14:16	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		07/06/23 11:50	07/15/23 14:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*122*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C5 PFNA	*126*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C2 PFDA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C2 PFUnA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C2 PFDoA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C2 PFTeDA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C3 PFBS	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
18O2 PFHxS	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C4 PFOS	*128*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C8 FOSA	*130*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d3-NMeFOSAA	*128*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d-N-MeFOSA-M	*98*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d-N-EtFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d7-N-MeFOSE-M	*105*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
d9-N-EtFOSE-M	*115*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
M2-4:2 FTS	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*
13C3 HFPO-DA	*131*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1500**		44	11	ng/L		07/06/23 11:50	07/15/23 16:09	20
Perfluorohexanoic acid (PFHxA)	**1200**		44	13	ng/L		07/06/23 11:50	07/15/23 16:09	20
Perfluoroheptanoic acid (PFHpA)	**530**		44	5.6	ng/L		07/06/23 11:50	07/15/23 16:09	20
Perfluorooctanoic acid (PFOA)	**1100**		44	19	ng/L		07/06/23 11:50	07/15/23 16:09	20
6:2 FTS	**7600**		110	56	ng/L		07/06/23 11:50	07/15/23 16:09	20
8:2 FTS	**1500**		44	10	ng/L		07/06/23 11:50	07/15/23 16:09	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*140*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*
13C2 PFHxA	*138*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*
13C4 PFHpA	*131*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*
13C4 PFOA	*127*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*
M2-6:2 FTS	*245*	*5+	*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*
M2-8:2 FTS	*143*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:09*	*20*

Client Sample ID: MP-01-(121-152)-202306

Lab Sample ID: 320-101519-6

Date Collected: 06/14/23 10:19

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**360**		5.6	2.7	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorononanoic acid (PFNA)	**77**		2.2	0.30	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorodecanoic acid (PFDA)	**14**		2.2	0.34	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:50	07/15/23 14:26	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(121-152)-202306
Date Collected: 06/14/23 10:19
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorobutanesulfonic acid (PFBS)	**0.92**	**J**	2.2	0.22	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluoropentanesulfonic acid (PFPeS)	**0.69**	**J**	2.2	0.33	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorohexanesulfonic acid (PFHxS)	**6.9**		2.2	0.63	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorooctanesulfonic acid (PFOS)	**24**		2.2	0.60	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:50	07/15/23 14:26	1
Perfluorooctanesulfonamide (FOSA)	**1.5**	**J**	2.2	1.1	ng/L		07/06/23 11:50	07/15/23 14:26	1
NEtFOSA	<0.97		2.2	0.97	ng/L		07/06/23 11:50	07/15/23 14:26	1
NMeFOSA	<0.48		2.2	0.48	ng/L		07/06/23 11:50	07/15/23 14:26	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		07/06/23 11:50	07/15/23 14:26	1
NEtFOSAA	<1.4		5.6	1.4	ng/L		07/06/23 11:50	07/15/23 14:26	1
NMeFOSE	<1.6		4.4	1.6	ng/L		07/06/23 11:50	07/15/23 14:26	1
NEtFOSE	<0.94		2.2	0.94	ng/L		07/06/23 11:50	07/15/23 14:26	1
4:2 FTS	**70**		2.2	0.27	ng/L		07/06/23 11:50	07/15/23 14:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:50	07/15/23 14:26	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		07/06/23 11:50	07/15/23 14:26	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		07/06/23 11:50	07/15/23 14:26	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		07/06/23 11:50	07/15/23 14:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C5 PFNA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C2 PFUnA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C3 PFBS	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
18O2 PFHxS	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C4 PFOS	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C8 FOSA	*112*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d3-NMeFOSAA	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d-N-MeFOSA-M	*100*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d-N-EtFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
d9-N-EtFOSE-M	*98*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
M2-4:2 FTS	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*
13C3 HFPO-DA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:26*	*1*

Client Sample ID: MP-01-(121-152)-202306

Lab Sample ID: 320-101519-6

Date Collected: 06/14/23 10:19

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1700**		44	11	ng/L		07/06/23 11:50	07/15/23 16:19	20
Perfluorohexanoic acid (PFHxA)	**1300**		44	13	ng/L		07/06/23 11:50	07/15/23 16:19	20
Perfluoroheptanoic acid (PFHpA)	**550**		44	5.6	ng/L		07/06/23 11:50	07/15/23 16:19	20
Perfluorooctanoic acid (PFOA)	**1200**		44	19	ng/L		07/06/23 11:50	07/15/23 16:19	20
6:2 FTS	**6900**		110	56	ng/L		07/06/23 11:50	07/15/23 16:19	20
8:2 FTS	**1900**		44	10	ng/L		07/06/23 11:50	07/15/23 16:19	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*
13C2 PFHxA	*129*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*
13C4 PFHpA	*124*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*
13C4 PFOA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*
M2-6:2 FTS	*256*	**5+*	*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*
M2-8:2 FTS	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:19*	*20*

Client Sample ID: MP-01-(091-118)-202306

Lab Sample ID: 320-101519-7

Date Collected: 06/14/23 10:33

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**300**		5.2	2.5	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorononanoic acid (PFNA)	**50**		2.1	0.28	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorodecanoic acid (PFDA)	**10**		2.1	0.32	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorobutanesulfonic acid (PFBS)	**0.61**	**J**	2.1	0.21	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluoropentanesulfonic acid (PFPeS)	**0.41**	**J**	2.1	0.31	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorohexanesulfonic acid (PFHxS)	**4.3**		2.1	0.60	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorooctanesulfonic acid (PFOS)	**14**		2.1	0.56	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/06/23 11:50	07/15/23 14:36	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/06/23 11:50	07/15/23 14:36	1
NEtFOSA	<0.91		2.1	0.91	ng/L		07/06/23 11:50	07/15/23 14:36	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/06/23 11:50	07/15/23 14:36	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		07/06/23 11:50	07/15/23 14:36	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		07/06/23 11:50	07/15/23 14:36	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/06/23 11:50	07/15/23 14:36	1
NEtFOSE	<0.89		2.1	0.89	ng/L		07/06/23 11:50	07/15/23 14:36	1
4:2 FTS	**57**		2.1	0.25	ng/L		07/06/23 11:50	07/15/23 14:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		07/06/23 11:50	07/15/23 14:36	1

Client Sample ID: MP-01-(091-118)-202306

Lab Sample ID: 320-101519-7

Date Collected: 06/14/23 10:33

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/06/23 11:50	07/15/23 14:36	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/06/23 11:50	07/15/23 14:36	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		07/06/23 11:50	07/15/23 14:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C5 PFNA	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C2 PFDA	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C2 PFUnA	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C3 PFBS	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
18O2 PFHxS	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C4 PFOS	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C8 FOSA	*109*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d-N-MeFOSA-M	*94*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d-N-EtFOSA-M	*92*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
M2-4:2 FTS	*101*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1400**		42	10	ng/L		07/06/23 11:50	07/15/23 16:29	20
Perfluorohexanoic acid (PFHxA)	**1000**		42	12	ng/L		07/06/23 11:50	07/15/23 16:29	20
Perfluoroheptanoic acid (PFHpA)	**440**		42	5.2	ng/L		07/06/23 11:50	07/15/23 16:29	20
Perfluorooctanoic acid (PFOA)	**830**		42	18	ng/L		07/06/23 11:50	07/15/23 16:29	20
8:2 FTS	**1200**		42	9.6	ng/L		07/06/23 11:50	07/15/23 16:29	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:29*	*20*
13C2 PFHxA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:29*	*20*
13C4 PFHpA	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:29*	*20*
13C4 PFOA	*111*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:29*	*20*
M2-8:2 FTS	*134*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:29*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**6000**		520	260	ng/L		07/06/23 11:50	07/19/23 15:03	100

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*200*	**5+*	*25 - 150*	*07/06/23 11:50*	*07/19/23 15:03*	*100*

Client Sample ID: MP-01-(051-088)-202306

Lab Sample ID: 320-101519-8

Date Collected: 06/14/23 10:45

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	**70**		2.3	0.30	ng/L		07/06/23 11:50	07/15/23 14:47	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(051-088)-202306
Date Collected: 06/14/23 10:45
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	**27**		2.3	0.35	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluoroundecanoic acid (PFUnA)	**1.3**	**J**	2.3	1.2	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorobutanesulfonic acid (PFBS)	**0.81**	**J**	2.3	0.23	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluoropentanesulfonic acid (PFPeS)	**0.52**	**J**	2.3	0.34	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorohexanesulfonic acid (PFHxS)	**4.5**		2.3	0.64	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.3	0.21	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorooctanesulfonic acid (PFOS)	**18**		2.3	0.61	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		07/06/23 11:50	07/15/23 14:47	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		07/06/23 11:50	07/15/23 14:47	1
NEtFOSA	<0.98		2.3	0.98	ng/L		07/06/23 11:50	07/15/23 14:47	1
NMeFOSA	<0.49		2.3	0.49	ng/L		07/06/23 11:50	07/15/23 14:47	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		07/06/23 11:50	07/15/23 14:47	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		07/06/23 11:50	07/15/23 14:47	1
NMeFOSE	<1.6		4.5	1.6	ng/L		07/06/23 11:50	07/15/23 14:47	1
NEtFOSE	<0.96		2.3	0.96	ng/L		07/06/23 11:50	07/15/23 14:47	1
4:2 FTS	**62**		2.3	0.27	ng/L		07/06/23 11:50	07/15/23 14:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		07/06/23 11:50	07/15/23 14:47	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		07/06/23 11:50	07/15/23 14:47	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		07/06/23 11:50	07/15/23 14:47	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		07/06/23 11:50	07/15/23 14:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFNA	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C2 PFDA	*91*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C2 PFDoA	*83*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C3 PFBS	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
18O2 PFHxS	*101*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C4 PFOS	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C8 FOSA	*101*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d-N-MeFOSA-M	*89*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d-N-EtFOSA-M	*86*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
d9-N-EtFOSE-M	*93*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
M2-4:2 FTS	*103*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:47*	*1*

Client Sample ID: MP-01-(051-088)-202306

Lab Sample ID: 320-101519-8

Date Collected: 06/14/23 10:45

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**500**		110	54	ng/L		07/06/23 11:50	07/15/23 16:40	20
Perfluoropentanoic acid (PFPeA)	**2100**		45	11	ng/L		07/06/23 11:50	07/15/23 16:40	20
Perfluorohexanoic acid (PFHxA)	**1700**		45	13	ng/L		07/06/23 11:50	07/15/23 16:40	20
Perfluoroheptanoic acid (PFHpA)	**880**		45	5.6	ng/L		07/06/23 11:50	07/15/23 16:40	20
Perfluorooctanoic acid (PFOA)	**1400**		45	19	ng/L		07/06/23 11:50	07/15/23 16:40	20
8:2 FTS	**2900**		45	10	ng/L		07/06/23 11:50	07/15/23 16:40	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*
13C5 PFPeA	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*
13C2 PFHxA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*
13C4 PFHpA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*
13C4 PFOA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*
M2-8:2 FTS	*129*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:40*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**6500**		560	280	ng/L		07/06/23 11:50	07/19/23 15:13	100

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*187*	*5+*	*25 - 150*	*07/06/23 11:50*	*07/19/23 15:13*	*100*

Client Sample ID: MP-02-(279-300)-202306

Lab Sample ID: 320-101519-9

Date Collected: 06/13/23 13:35

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:50	07/15/23 14:57	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/06/23 11:50	07/15/23 14:57	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/06/23 11:50	07/15/23 14:57	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:50	07/15/23 14:57	1

Client Sample ID: MP-02-(279-300)-202306

Lab Sample ID: 320-101519-9

Date Collected: 06/13/23 13:35

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:50	07/15/23 14:57	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:50	07/15/23 14:57	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:50	07/15/23 14:57	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/06/23 11:50	07/15/23 14:57	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:50	07/15/23 14:57	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 14:57	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/06/23 11:50	07/15/23 14:57	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:50	07/15/23 14:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/06/23 11:50	07/15/23 14:57	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/06/23 11:50	07/15/23 14:57	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 14:57	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 14:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C5 PFPeA	*121*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C2 PFHxA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C4 PFHpA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C4 PFOA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C5 PFNA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C2 PFDA	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C2 PFUnA	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C2 PFDoA	*68*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C2 PFTeDA	*99*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C3 PFBS	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
18O2 PFHxS	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C4 PFOS	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C8 FOSA	*117*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d-N-MeFOSA-M	*107*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d-N-EtFOSA-M	*106*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
d9-N-EtFOSE-M	*100*		*10 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
M2-4:2 FTS	*124*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*
13C3 HFPO-DA	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 14:57*	*1*

Client Sample ID: MP-02-(253-276)-202306

Lab Sample ID: 320-101519-10

Date Collected: 06/13/23 13:48

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:50	07/15/23 15:07	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:07	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-02-(253-276)-202306
Date Collected: 06/13/23 13:48
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:50	07/15/23 15:07	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:50	07/15/23 15:07	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:50	07/15/23 15:07	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:50	07/15/23 15:07	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:50	07/15/23 15:07	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:07	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:50	07/15/23 15:07	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:07	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:07	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/06/23 11:50	07/15/23 15:07	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:50	07/15/23 15:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:50	07/15/23 15:07	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:50	07/15/23 15:07	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:07	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C5 PFPeA	*121*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C2 PFHxA	*121*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C4 PFHpA	*124*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C4 PFOA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C5 PFNA	*126*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C2 PFDA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C2 PFUnA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C2 PFDoA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C3 PFBS	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
18O2 PFHxS	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C4 PFOS	*124*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
13C8 FOSA	*125*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
d3-NMeFOSAA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
d5-NEtFOSAA	*122*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*
d-N-MeFOSA-M	*109*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:07*	*1*

Client Sample ID: MP-02-(253-276)-202306

Lab Sample ID: 320-101519-10

Date Collected: 06/13/23 13:48

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	101		10 - 150	07/06/23 11:50	07/15/23 15:07	1
d7-N-MeFOSE-M	95		10 - 150	07/06/23 11:50	07/15/23 15:07	1
d9-N-EtFOSE-M	107		10 - 150	07/06/23 11:50	07/15/23 15:07	1
M2-4:2 FTS	127		25 - 150	07/06/23 11:50	07/15/23 15:07	1
M2-6:2 FTS	109		25 - 150	07/06/23 11:50	07/15/23 15:07	1
M2-8:2 FTS	117		25 - 150	07/06/23 11:50	07/15/23 15:07	1
13C3 HFPO-DA	126		25 - 150	07/06/23 11:50	07/15/23 15:07	1

Client Sample ID: MP-02-(223-250)-202306

Lab Sample ID: 320-101519-11

Date Collected: 06/13/23 14:02

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:50	07/15/23 15:18	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorooctanoic acid (PFOA)	<0.94		2.2	0.94	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:50	07/15/23 15:18	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:50	07/15/23 15:18	1
NEtFOSA	<0.96		2.2	0.96	ng/L		07/06/23 11:50	07/15/23 15:18	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/06/23 11:50	07/15/23 15:18	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		07/06/23 11:50	07/15/23 15:18	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		07/06/23 11:50	07/15/23 15:18	1
NMeFOSE	<1.5		4.4	1.5	ng/L		07/06/23 11:50	07/15/23 15:18	1
NEtFOSE	<0.94		2.2	0.94	ng/L		07/06/23 11:50	07/15/23 15:18	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/06/23 11:50	07/15/23 15:18	1
6:2 FTS	<2.8		5.5	2.8	ng/L		07/06/23 11:50	07/15/23 15:18	1
8:2 FTS	**0.56**	**J**	2.2	0.51	ng/L		07/06/23 11:50	07/15/23 15:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:50	07/15/23 15:18	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		07/06/23 11:50	07/15/23 15:18	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:50	07/15/23 15:18	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/06/23 11:50	07/15/23 15:18	1

Client Sample ID: MP-02-(223-250)-202306

Lab Sample ID: 320-101519-11

Date Collected: 06/13/23 14:02

Matrix: Water

Date Received: 06/15/23 09:10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C5 PFPeA	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C2 PFHxA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C4 PFHpA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C4 PFOA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C5 PFNA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C2 PFDA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C2 PFUnA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C2 PFDoA	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C3 PFBS	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
18O2 PFHxS	*111*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C4 PFOS	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C8 FOSA	*118*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d5-NEtFOSAA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d-N-MeFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d-N-EtFOSA-M	*91*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
d9-N-EtFOSE-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
M2-4:2 FTS	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*
13C3 HFPO-DA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:18*	*1*

Client Sample ID: MP-02-(198-220)-202306

Lab Sample ID: 320-101519-12

Date Collected: 06/13/23 14:16

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**35**		5.0	2.4	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluoropentanoic acid (PFPeA)	**160**		2.0	0.49	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorohexanoic acid (PFHxA)	**100**		2.0	0.58	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluoroheptanoic acid (PFHpA)	**35**		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorooctanoic acid (PFOA)	**32**		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorononanoic acid (PFNA)	**2.3**		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:28	1

Client Sample ID: MP-02-(198-220)-202306
Date Collected: 06/13/23 14:16
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:50	07/15/23 15:28	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:50	07/15/23 15:28	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:50	07/15/23 15:28	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:50	07/15/23 15:28	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:50	07/15/23 15:28	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:28	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:50	07/15/23 15:28	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:28	1
4:2 FTS	**5.1**		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:28	1
8:2 FTS	**23**		2.0	0.46	ng/L		07/06/23 11:50	07/15/23 15:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:50	07/15/23 15:28	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:50	07/15/23 15:28	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:28	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C5 PFPeA	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C2 PFHxA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C4 PFHpA	*125*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C4 PFOA	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C5 PFNA	*121*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C2 PFDA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C2 PFUnA	*115*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C2 PFDoA	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C2 PFTeDA	*111*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C3 PFBS	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
18O2 PFHxS	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C4 PFOS	*122*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C8 FOSA	*122*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d3-NMeFOSAA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d5-NEtFOSAA	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d-N-MeFOSA-M	*91*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d-N-EtFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d7-N-MeFOSE-M	*89*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
d9-N-EtFOSE-M	*103*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
M2-4:2 FTS	*130*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*
13C3 HFPO-DA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**560**		25	12	ng/L		07/06/23 11:50	07/15/23 16:50	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*122*		*25 - 150*	*07/06/23 11:50*	*07/15/23 16:50*	*5*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-02-(153-195)-202306
Date Collected: 06/13/23 14:35
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-13
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**71**		5.0	2.4	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluoropentanoic acid (PFPeA)	**290**		2.0	0.49	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorohexanoic acid (PFHxA)	**200**		2.0	0.58	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluoroheptanoic acid (PFHpA)	**87**		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorooctanoic acid (PFOA)	**89**		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorononanoic acid (PFNA)	**9.8**		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorodecanoic acid (PFDA)	**1.8**	**J**	2.0	0.31	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorooctanesulfonic acid (PFOS)	**3.1**		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:50	07/15/23 15:38	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:50	07/15/23 15:38	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:50	07/15/23 15:38	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:50	07/15/23 15:38	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:50	07/15/23 15:38	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:50	07/15/23 15:38	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:50	07/15/23 15:38	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 15:38	1
4:2 FTS	**3.5**		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:38	1
8:2 FTS	**220**		2.0	0.46	ng/L		07/06/23 11:50	07/15/23 15:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:50	07/15/23 15:38	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:50	07/15/23 15:38	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 15:38	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 15:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C5 PFPeA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C2 PFHxA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C4 PFHpA	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C4 PFOA	*107*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C5 PFNA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C2 PFDA	*102*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C2 PFUnA	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C3 PFBS	*106*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
18O2 PFHxS	*103*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*

Client Sample ID: MP-02-(153-195)-202306

Lab Sample ID: 320-101519-13

Date Collected: 06/13/23 14:35

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*108*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C8 FOSA	*107*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d-N-EtFOSA-M	*75*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d7-N-MeFOSE-M	*84*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
M2-4:2 FTS	*111*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*07/06/23 11:50*	*07/15/23 15:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**1100**		25	13	ng/L		07/06/23 11:50	07/15/23 17:00	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*25 - 150*	*07/06/23 11:50*	*07/15/23 17:00*	*5*

Client Sample ID: MP-03-(280-300)-202306

Lab Sample ID: 320-101519-14

Date Collected: 06/13/23 10:26

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/06/23 11:31	07/08/23 06:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*71*		*25 - 150*	*07/06/23 11:31*	*07/08/23 06:22*	*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		07/06/23 11:31	07/08/23 15:00	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/06/23 11:31	07/08/23 15:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 15:00	1

Client Sample ID: MP-03-(280-300)-202306

Lab Sample ID: 320-101519-14

Date Collected: 06/13/23 10:26

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/06/23 11:31	07/08/23 15:00	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/06/23 11:31	07/08/23 15:00	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/06/23 11:31	07/08/23 15:00	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/06/23 11:31	07/08/23 15:00	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/06/23 11:31	07/08/23 15:00	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/06/23 11:31	07/08/23 15:00	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/06/23 11:31	07/08/23 15:00	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/06/23 11:31	07/08/23 15:00	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/06/23 11:31	07/08/23 15:00	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/06/23 11:31	07/08/23 15:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/06/23 11:31	07/08/23 15:00	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/06/23 11:31	07/08/23 15:00	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/06/23 11:31	07/08/23 15:00	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 15:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C5 PFNA	*105*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C2 PFTeDA	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C3 PFBS	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
18O2 PFHxS	*106*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C4 PFOS	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C8 FOSA	*98*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d-N-MeFOSA-M	*90*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d-N-EtFOSA-M	*88*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
M2-4:2 FTS	*73*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
M2-6:2 FTS	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*
13C3 HFPO-DA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:00*	*1*

Client Sample ID: MP-03-(245-277)-202306

Lab Sample ID: 320-101519-15

Date Collected: 06/13/23 10:42

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:31	07/08/23 06:33	1

Client Sample ID: MP-03-(245-277)-202306
Date Collected: 06/13/23 10:42
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-15
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	73		25 - 150	07/06/23 11:31	07/08/23 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 15:10	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:31	07/08/23 15:10	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:31	07/08/23 15:10	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:31	07/08/23 15:10	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:31	07/08/23 15:10	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:31	07/08/23 15:10	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:31	07/08/23 15:10	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 15:10	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 15:10	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/06/23 11:31	07/08/23 15:10	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:31	07/08/23 15:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:31	07/08/23 15:10	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:31	07/08/23 15:10	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 15:10	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 15:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C5 PFPeA	82		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C2 PFHxA	75		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C4 PFHpA	81		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C4 PFOA	75		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C5 PFNA	98		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C2 PFDA	83		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C2 PFUnA	74		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C2 PFDoA	59		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C2 PFTeDA	53		25 - 150	07/06/23 11:31	07/08/23 15:10	1
13C3 PFBS	85		25 - 150	07/06/23 11:31	07/08/23 15:10	1

Client Sample ID: MP-03-(245-277)-202306

Lab Sample ID: 320-101519-15

Date Collected: 06/13/23 10:42

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
13C4 PFOS	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
13C8 FOSA	*88*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d3-NMeFOSAA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d5-NEtFOSAA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d-N-MeFOSA-M	*65*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d-N-EtFOSA-M	*59*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d7-N-MeFOSE-M	*60*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
d9-N-EtFOSE-M	*59*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
M2-4:2 FTS	*72*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
M2-6:2 FTS	*71*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*
13C3 HFPO-DA	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:10*	*1*

Client Sample ID: MP-03-(220-242)-202306

Lab Sample ID: 320-101519-16

Date Collected: 06/13/23 10:57

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		07/06/23 11:31	07/08/23 06:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*75*		*25 - 150*	*07/06/23 11:31*	*07/08/23 06:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.2	0.62	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorooctanoic acid (PFOA)	<0.91		2.2	0.91	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorodecanoic acid (PFDA)	<0.33		2.2	0.33	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.2	0.61	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.2	0.34	ng/L		07/06/23 11:31	07/08/23 15:21	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:31	07/08/23 15:21	1
NEtFOSA	<0.94		2.2	0.94	ng/L		07/06/23 11:31	07/08/23 15:21	1
NMeFOSA	<0.46		2.2	0.46	ng/L		07/06/23 11:31	07/08/23 15:21	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		07/06/23 11:31	07/08/23 15:21	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-03-(220-242)-202306

Lab Sample ID: 320-101519-16

Date Collected: 06/13/23 10:57
Date Received: 06/15/23 09:10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.4		5.4	1.4	ng/L		07/06/23 11:31	07/08/23 15:21	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/06/23 11:31	07/08/23 15:21	1
NEtFOSE	<0.91		2.2	0.91	ng/L		07/06/23 11:31	07/08/23 15:21	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/06/23 11:31	07/08/23 15:21	1
6:2 FTS	<2.7		5.4	2.7	ng/L		07/06/23 11:31	07/08/23 15:21	1
8:2 FTS	<0.49		2.2	0.49	ng/L		07/06/23 11:31	07/08/23 15:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		07/06/23 11:31	07/08/23 15:21	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/06/23 11:31	07/08/23 15:21	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:31	07/08/23 15:21	1
11Cl-PF3OUdS	<0.34		2.2	0.34	ng/L		07/06/23 11:31	07/08/23 15:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C5 PFPeA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C2 PFHxA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C4 PFHpA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C5 PFNA	*106*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C2 PFDA	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C2 PFUnA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C3 PFBS	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
18O2 PFHxS	*105*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C4 PFOS	*104*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C8 FOSA	*99*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d5-NEtFOSAA	*104*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d-N-EtFOSA-M	*82*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
d9-N-EtFOSE-M	*93*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
M2-4:2 FTS	*76*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:21*	*1*

Client Sample ID: MP-03-(190-217)-202306

Lab Sample ID: 320-101519-17

Date Collected: 06/13/23 11:12
Date Received: 06/15/23 09:10

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:31	07/08/23 06:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*62*		*25 - 150*	*07/06/23 11:31*	*07/08/23 06:53*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-03-(190-217)-202306
Date Collected: 06/13/23 11:12
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluoropentanoic acid (PFPeA)	**2.8**		2.0	0.49	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorohexanoic acid (PFHxA)	**1.9**	**J**	2.0	0.58	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluoroheptanoic acid (PFHpA)	**0.88**	**J**	2.0	0.25	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorooctanoic acid (PFOA)	**0.90**	**J**	2.0	0.84	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 15:31	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:31	07/08/23 15:31	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:31	07/08/23 15:31	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:31	07/08/23 15:31	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:31	07/08/23 15:31	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:31	07/08/23 15:31	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:31	07/08/23 15:31	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 15:31	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 15:31	1
6:2 FTS	**11**		5.0	2.5	ng/L		07/06/23 11:31	07/08/23 15:31	1
8:2 FTS	**0.70**	**J**	2.0	0.46	ng/L		07/06/23 11:31	07/08/23 15:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:31	07/08/23 15:31	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:31	07/08/23 15:31	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 15:31	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 15:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C5 PFPeA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C2 PFHxA	*73*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C4 PFHpA	*73*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C4 PFOA	*72*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C5 PFNA	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C2 PFDA	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C2 PFUnA	*69*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C2 PFDoA	*69*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C2 PFTeDA	*65*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C3 PFBS	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
18O2 PFHxS	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C4 PFOS	*91*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C8 FOSA	*84*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*

Client Sample ID: MP-03-(190-217)-202306

Lab Sample ID: 320-101519-17

Date Collected: 06/13/23 11:12

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d3-NMeFOSAA	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
d9-N-EtFOSE-M	*78*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
M2-4:2 FTS	*67*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
M2-6:2 FTS	*69*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*
13C3 HFPO-DA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:31*	*1*

Client Sample ID: MP-03-(160-187)-202306

Lab Sample ID: 320-101519-18

Date Collected: 06/13/23 11:31

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/06/23 11:31	07/08/23 07:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*69*		*25 - 150*	*07/06/23 11:31*	*07/08/23 07:04*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**23**		4.7	2.3	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluoropentanoic acid (PFPeA)	**130**		1.9	0.46	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorohexanoic acid (PFHxA)	**64**		1.9	0.55	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluoroheptanoic acid (PFHpA)	**25**		1.9	0.24	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorooctanoic acid (PFOA)	**22**		1.9	0.80	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorononanoic acid (PFNA)	**1.7**	**J**	1.9	0.25	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorodecanoic acid (PFDA)	**0.37**	**J**	1.9	0.29	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 15:41	1
Perfluorooctanesulfonamide (FOSA)	**1.6**	**J**	1.9	0.92	ng/L		07/06/23 11:31	07/08/23 15:41	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/06/23 11:31	07/08/23 15:41	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/06/23 11:31	07/08/23 15:41	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/06/23 11:31	07/08/23 15:41	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/06/23 11:31	07/08/23 15:41	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/06/23 11:31	07/08/23 15:41	1

Client Sample ID: MP-03-(160-187)-202306

Lab Sample ID: 320-101519-18

Date Collected: 06/13/23 11:31
Matrix: Water
Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.80		1.9	0.80	ng/L		07/06/23 11:31	07/08/23 15:41	1
4:2 FTS	**0.87**	**J**	1.9	0.23	ng/L		07/06/23 11:31	07/08/23 15:41	1
6:2 FTS	**160**		4.7	2.4	ng/L		07/06/23 11:31	07/08/23 15:41	1
8:2 FTS	**12**		1.9	0.43	ng/L		07/06/23 11:31	07/08/23 15:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/06/23 11:31	07/08/23 15:41	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/06/23 11:31	07/08/23 15:41	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/06/23 11:31	07/08/23 15:41	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 15:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C5 PFPeA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C2 PFHxA	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C4 PFHpA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C4 PFOA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C5 PFNA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C2 PFDA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C2 PFUnA	*80*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C2 PFDoA	*76*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C3 PFBS	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
18O2 PFHxS	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C4 PFOS	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C8 FOSA	*96*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d-N-EtFOSA-M	*86*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d7-N-MeFOSE-M	*95*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
d9-N-EtFOSE-M	*96*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
M2-4:2 FTS	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
M2-8:2 FTS	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:41*	*1*

Client Sample ID: MP-03-(120-157)-202306

Lab Sample ID: 320-101519-19

Date Collected: 06/13/23 11:50
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:31	07/08/23 07:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*73*		*25 - 150*	*07/06/23 11:31*	*07/08/23 07:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**16**		5.5	2.6	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluoropentanoic acid (PFPeA)	**24**		2.2	0.54	ng/L		07/06/23 11:31	07/08/23 15:51	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-03-(120-157)-202306
Date Collected: 06/13/23 11:50
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	**15**		2.2	0.64	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluoroheptanoic acid (PFHpA)	**11**		2.2	0.27	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorooctanoic acid (PFOA)	**8.0**		2.2	0.93	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorobutanesulfonic acid (PFBS)	**0.46**	**J**	2.2	0.22	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**	**J**	2.2	0.59	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/06/23 11:31	07/08/23 15:51	1
Perfluorooctanesulfonamide (FOSA)	**1.8**	**J**	2.2	1.1	ng/L		07/06/23 11:31	07/08/23 15:51	1
NEtFOSA	<0.96		2.2	0.96	ng/L		07/06/23 11:31	07/08/23 15:51	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/06/23 11:31	07/08/23 15:51	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		07/06/23 11:31	07/08/23 15:51	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		07/06/23 11:31	07/08/23 15:51	1
NMeFOSE	<1.5		4.4	1.5	ng/L		07/06/23 11:31	07/08/23 15:51	1
NEtFOSE	<0.93		2.2	0.93	ng/L		07/06/23 11:31	07/08/23 15:51	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/06/23 11:31	07/08/23 15:51	1
6:2 FTS	<2.7		5.5	2.7	ng/L		07/06/23 11:31	07/08/23 15:51	1
8:2 FTS	<0.51		2.2	0.51	ng/L		07/06/23 11:31	07/08/23 15:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:31	07/08/23 15:51	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		07/06/23 11:31	07/08/23 15:51	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:31	07/08/23 15:51	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/06/23 11:31	07/08/23 15:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C4 PFHpA	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C4 PFOA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C5 PFNA	*107*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C2 PFDA	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C2 PFUnA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C2 PFDoA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C3 PFBS	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
18O2 PFHxS	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C4 PFOS	*107*		*25 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*
13C8 FOSA	*102*		*10 - 150*	*07/06/23 11:31*	*07/08/23 15:51*	*1*

Client Sample ID: MP-03-(120-157)-202306

Lab Sample ID: 320-101519-19

Date Collected: 06/13/23 11:50
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	92		25 - 150	07/06/23 11:31	07/08/23 15:51	1
d5-NEtFOSAA	105		25 - 150	07/06/23 11:31	07/08/23 15:51	1
d-N-MeFOSA-M	88		10 - 150	07/06/23 11:31	07/08/23 15:51	1
d-N-EtFOSA-M	81		10 - 150	07/06/23 11:31	07/08/23 15:51	1
d7-N-MeFOSE-M	86		10 - 150	07/06/23 11:31	07/08/23 15:51	1
d9-N-EtFOSE-M	98		10 - 150	07/06/23 11:31	07/08/23 15:51	1
M2-4:2 FTS	82		25 - 150	07/06/23 11:31	07/08/23 15:51	1
M2-6:2 FTS	81		25 - 150	07/06/23 11:31	07/08/23 15:51	1
M2-8:2 FTS	82		25 - 150	07/06/23 11:31	07/08/23 15:51	1
13C3 HFPO-DA	98		25 - 150	07/06/23 11:31	07/08/23 15:51	1

Client Sample ID: MP-03-(083-117)-202306

Lab Sample ID: 320-101519-20

Date Collected: 06/13/23 12:06
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/06/23 11:31	07/08/23 07:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	66		25 - 150	07/06/23 11:31	07/08/23 07:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**24**		4.7	2.3	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluoropentanoic acid (PFPeA)	**42**		1.9	0.46	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorohexanoic acid (PFHxA)	**26**		1.9	0.55	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluoroheptanoic acid (PFHpA)	**38**		1.9	0.24	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorooctanoic acid (PFOA)	**19**		1.9	0.81	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorononanoic acid (PFNA)	**1.6**	**J**	1.9	0.26	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorodecanoic acid (PFDA)	**0.43**	**J**	1.9	0.29	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorobutanesulfonic acid (PFBS)	**0.58**	**J**	1.9	0.19	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorooctanesulfonic acid (PFOS)	**1.0**	**J**	1.9	0.51	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 16:02	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/06/23 11:31	07/08/23 16:02	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/06/23 11:31	07/08/23 16:02	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/06/23 11:31	07/08/23 16:02	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/06/23 11:31	07/08/23 16:02	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/06/23 11:31	07/08/23 16:02	1

Client Sample ID: MP-03-(083-117)-202306

Lab Sample ID: 320-101519-20

Date Collected: 06/13/23 12:06

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		07/06/23 11:31	07/08/23 16:02	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/06/23 11:31	07/08/23 16:02	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/06/23 11:31	07/08/23 16:02	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/06/23 11:31	07/08/23 16:02	1
8:2 FTS	**3.1**		1.9	0.44	ng/L		07/06/23 11:31	07/08/23 16:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/06/23 11:31	07/08/23 16:02	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/06/23 11:31	07/08/23 16:02	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/06/23 11:31	07/08/23 16:02	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/06/23 11:31	07/08/23 16:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C2 PFHxA	*75*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C4 PFHpA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C4 PFOA	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C5 PFNA	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C2 PFDA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C2 PFUnA	*75*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C2 PFDoA	*72*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C2 PFTeDA	*69*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C3 PFBS	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
18O2 PFHxS	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C4 PFOS	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C8 FOSA	*92*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d-N-MeFOSA-M	*85*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d-N-EtFOSA-M	*74*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
d9-N-EtFOSE-M	*87*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
M2-4:2 FTS	*72*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
M2-6:2 FTS	*67*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*
13C3 HFPO-DA	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:02*	*1*

Client Sample ID: MP-03-(046-080)-202306

Lab Sample ID: 320-101519-21

Date Collected: 06/13/23 12:20

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/06/23 11:31	07/08/23 07:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*73*		*25 - 150*	*07/06/23 11:31*	*07/08/23 07:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**50**		5.2	2.5	ng/L		07/06/23 11:31	07/08/23 16:32	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-03-(046-080)-202306
Date Collected: 06/13/23 12:20
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**170**		2.1	0.51	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorohexanoic acid (PFHxA)	**96**		2.1	0.60	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluoroheptanoic acid (PFHpA)	**96**		2.1	0.26	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorooctanoic acid (PFOA)	**16**		2.1	0.88	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorononanoic acid (PFNA)	**1.3**	**J**	2.1	0.28	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorobutanesulfonic acid (PFBS)	**0.53**	**J**	2.1	0.21	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/06/23 11:31	07/08/23 16:32	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/06/23 11:31	07/08/23 16:32	1
NEtFOSA	<0.91		2.1	0.91	ng/L		07/06/23 11:31	07/08/23 16:32	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/06/23 11:31	07/08/23 16:32	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		07/06/23 11:31	07/08/23 16:32	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		07/06/23 11:31	07/08/23 16:32	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/06/23 11:31	07/08/23 16:32	1
NEtFOSE	<0.88		2.1	0.88	ng/L		07/06/23 11:31	07/08/23 16:32	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/06/23 11:31	07/08/23 16:32	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/06/23 11:31	07/08/23 16:32	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/06/23 11:31	07/08/23 16:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		07/06/23 11:31	07/08/23 16:32	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/06/23 11:31	07/08/23 16:32	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/06/23 11:31	07/08/23 16:32	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		07/06/23 11:31	07/08/23 16:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C5 PFPeA	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C2 PFHxA	*77*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C4 PFHpA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C4 PFOA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C2 PFDA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C2 PFUnA	*78*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C2 PFDoA	*75*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C2 PFTeDA	*74*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C3 PFBS	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
18O2 PFHxS	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C4 PFOS	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*
13C8 FOSA	*96*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:32*	*1*

Client Sample ID: MP-03-(046-080)-202306

Lab Sample ID: 320-101519-21

Date Collected: 06/13/23 12:20

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	91		25 - 150	07/06/23 11:31	07/08/23 16:32	1
d5-NEtFOSAA	96		25 - 150	07/06/23 11:31	07/08/23 16:32	1
d-N-MeFOSA-M	86		10 - 150	07/06/23 11:31	07/08/23 16:32	1
d-N-EtFOSA-M	77		10 - 150	07/06/23 11:31	07/08/23 16:32	1
d7-N-MeFOSE-M	97		10 - 150	07/06/23 11:31	07/08/23 16:32	1
d9-N-EtFOSE-M	88		10 - 150	07/06/23 11:31	07/08/23 16:32	1
M2-4:2 FTS	74		25 - 150	07/06/23 11:31	07/08/23 16:32	1
M2-6:2 FTS	73		25 - 150	07/06/23 11:31	07/08/23 16:32	1
M2-8:2 FTS	85		25 - 150	07/06/23 11:31	07/08/23 16:32	1
13C3 HFPO-DA	93		25 - 150	07/06/23 11:31	07/08/23 16:32	1

Client Sample ID: MP-04-(275-291)-202306

Lab Sample ID: 320-101519-22

Date Collected: 06/12/23 14:56

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/06/23 11:31	07/08/23 08:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	77		25 - 150	07/06/23 11:31	07/08/23 08:05	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		4.9	2.3	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 16:43	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/06/23 11:31	07/08/23 16:43	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/06/23 11:31	07/08/23 16:43	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:31	07/08/23 16:43	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:31	07/08/23 16:43	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:31	07/08/23 16:43	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/06/23 11:31	07/08/23 16:43	1
NEtFOSE	<0.83		2.0	0.83	ng/L		07/06/23 11:31	07/08/23 16:43	1

Client Sample ID: MP-04-(275-291)-202306

Date Collected: 06/12/23 14:56
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.23		2.0	0.23	ng/L		07/06/23 11:31	07/08/23 16:43	1
6:2 FTS	<2.4		4.9	2.4	ng/L		07/06/23 11:31	07/08/23 16:43	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:31	07/08/23 16:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/06/23 11:31	07/08/23 16:43	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/06/23 11:31	07/08/23 16:43	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		07/06/23 11:31	07/08/23 16:43	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 16:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C5 PFPeA	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C2 PFHxA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C4 PFHpA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C4 PFOA	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C5 PFNA	*107*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C2 PFDA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C3 PFBS	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
18O2 PFHxS	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C4 PFOS	*112*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C8 FOSA	*102*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d5-NEtFOSAA	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d-N-MeFOSA-M	*89*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d-N-EtFOSA-M	*94*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d7-N-MeFOSE-M	*104*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
d9-N-EtFOSE-M	*100*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
M2-4:2 FTS	*80*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*
13C3 HFPO-DA	*97*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:43*	*1*

Client Sample ID: MP-04-(245-272)-202306

Date Collected: 06/12/23 15:17
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-23

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:31	07/08/23 08:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*80*		*25 - 150*	*07/06/23 11:31*	*07/08/23 08:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 16:53	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-04-(245-272)-202306
Date Collected: 06/12/23 15:17
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 16:53	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:31	07/08/23 16:53	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:31	07/08/23 16:53	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:31	07/08/23 16:53	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:31	07/08/23 16:53	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:31	07/08/23 16:53	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:31	07/08/23 16:53	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 16:53	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 16:53	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/06/23 11:31	07/08/23 16:53	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:31	07/08/23 16:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:31	07/08/23 16:53	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:31	07/08/23 16:53	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 16:53	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 16:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C5 PFPeA	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C2 PFHxA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C4 PFOA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C5 PFNA	*107*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C2 PFUnA	*91*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C2 PFDoA	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
18O2 PFHxS	*113*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C4 PFOS	*111*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C8 FOSA	*108*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
d-N-MeFOSA-M	*95*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*

Client Sample ID: MP-04-(245-272)-202306

Lab Sample ID: 320-101519-23

Date Collected: 06/12/23 15:17

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d-N-EtFOSA-M	*92*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
d7-N-MeFOSE-M	*95*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
d9-N-EtFOSE-M	*102*		*10 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
M2-4:2 FTS	*78*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 16:53*	*1*

Client Sample ID: MP-04-(220-242)-202306

Lab Sample ID: 320-101519-24

Date Collected: 06/12/23 15:28

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:31	07/08/23 08:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*82*		*25 - 150*	*07/06/23 11:31*	*07/08/23 08:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		4.9	2.4	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 17:03	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:31	07/08/23 17:03	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:31	07/08/23 17:03	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:31	07/08/23 17:03	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:31	07/08/23 17:03	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:31	07/08/23 17:03	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:31	07/08/23 17:03	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:31	07/08/23 17:03	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 17:03	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/06/23 11:31	07/08/23 17:03	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:31	07/08/23 17:03	1

Client Sample ID: MP-04-(220-242)-202306

Lab Sample ID: 320-101519-24

Date Collected: 06/12/23 15:28

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:31	07/08/23 17:03	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:31	07/08/23 17:03	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 17:03	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 17:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C5 PFPeA	*100*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C2 PFHxA	*91*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C4 PFHpA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C5 PFNA	*114*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C2 PFDoA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C3 PFBS	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
18O2 PFHxS	*115*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C4 PFOS	*117*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C8 FOSA	*110*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d5-NEtFOSAA	*105*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d-N-MeFOSA-M	*90*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d-N-EtFOSA-M	*92*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d7-N-MeFOSE-M	*99*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
d9-N-EtFOSE-M	*102*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
M2-4:2 FTS	*81*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
M2-6:2 FTS	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:03*	*1*

Client Sample ID: MP-04-(195-217)-202306

Lab Sample ID: 320-101519-25

Date Collected: 06/12/23 15:42

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/06/23 11:31	07/08/23 08:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*83*		*25 - 150*	*07/06/23 11:31*	*07/08/23 08:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.3	2.6	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		07/06/23 11:31	07/08/23 17:13	1

Client Sample ID: MP-04-(195-217)-202306
Date Collected: 06/12/23 15:42
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-25
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/06/23 11:31	07/08/23 17:13	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/06/23 11:31	07/08/23 17:13	1
NEtFOSA	<0.93		2.1	0.93	ng/L		07/06/23 11:31	07/08/23 17:13	1
NMeFOSA	<0.46		2.1	0.46	ng/L		07/06/23 11:31	07/08/23 17:13	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		07/06/23 11:31	07/08/23 17:13	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		07/06/23 11:31	07/08/23 17:13	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/06/23 11:31	07/08/23 17:13	1
NEtFOSE	<0.91		2.1	0.91	ng/L		07/06/23 11:31	07/08/23 17:13	1
4:2 FTS	<0.26		2.1	0.26	ng/L		07/06/23 11:31	07/08/23 17:13	1
6:2 FTS	<2.7		5.3	2.7	ng/L		07/06/23 11:31	07/08/23 17:13	1
8:2 FTS	<0.49		2.1	0.49	ng/L		07/06/23 11:31	07/08/23 17:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		07/06/23 11:31	07/08/23 17:13	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/06/23 11:31	07/08/23 17:13	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		07/06/23 11:31	07/08/23 17:13	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/06/23 11:31	07/08/23 17:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*112*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C5 PFPeA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C2 PFHxA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C4 PFOA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C5 PFNA	*112*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C2 PFDA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C2 PFUnA	*89*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C2 PFDoA	*86*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C3 PFBS	*95*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
18O2 PFHxS	*113*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C4 PFOS	*116*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
13C8 FOSA	*109*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d3-NMeFOSAA	*102*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d-N-MeFOSA-M	*101*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d-N-EtFOSA-M	*92*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d7-N-MeFOSE-M	*103*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*
d9-N-EtFOSE-M	*98*		*10 - 150*	*07/06/23 11:31*	*07/08/23 17:13*	*1*

Client Sample ID: MP-04-(195-217)-202306

Lab Sample ID: 320-101519-25

Date Collected: 06/12/23 15:42

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	88		25 - 150	07/06/23 11:31	07/08/23 17:13	1
M2-6:2 FTS	85		25 - 150	07/06/23 11:31	07/08/23 17:13	1
M2-8:2 FTS	91		25 - 150	07/06/23 11:31	07/08/23 17:13	1
13C3 HFPO-DA	101		25 - 150	07/06/23 11:31	07/08/23 17:13	1

Client Sample ID: MP-04-(155-192)-202306

Lab Sample ID: 320-101519-26

Date Collected: 06/12/23 15:48

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**30**		5.0	2.4	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluoropentanoic acid (PFPeA)	**140**		2.0	0.49	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorohexanoic acid (PFHxA)	**95**		2.0	0.58	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluoroheptanoic acid (PFHpA)	**30**		2.0	0.25	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorooctanoic acid (PFOA)	**38**		2.0	0.85	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorononanoic acid (PFNA)	**2.0**		2.0	0.27	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorohexanesulfonic acid (PFHxS)	**0.68**	**J**	2.0	0.57	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.21**	**J**	2.0	0.19	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorooctanesulfonic acid (PFOS)	**0.71**	**J**	2.0	0.54	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:41	07/15/23 04:24	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:41	07/15/23 04:24	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:41	07/15/23 04:24	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:41	07/15/23 04:24	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:41	07/15/23 04:24	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:41	07/15/23 04:24	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:41	07/15/23 04:24	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:41	07/15/23 04:24	1
4:2 FTS	**5.5**		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 04:24	1
8:2 FTS	**26**		2.0	0.46	ng/L		07/06/23 11:41	07/15/23 04:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:41	07/15/23 04:24	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:41	07/15/23 04:24	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 04:24	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 04:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	07/06/23 11:41	07/15/23 04:24	1

Client Sample ID: MP-04-(155-192)-202306

Date Collected: 06/12/23 15:48
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-26

Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	80		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C2 PFHxA	80		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C4 PFHpA	83		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C4 PFOA	81		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C5 PFNA	86		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C2 PFDA	86		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C2 PFUnA	88		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C2 PFDoA	92		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C2 PFTeDA	91		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C3 PFBS	78		25 - 150	07/06/23 11:41	07/15/23 04:24	1
18O2 PFHxS	81		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C4 PFOS	83		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C8 FOSA	89		10 - 150	07/06/23 11:41	07/15/23 04:24	1
d3-NMeFOSAA	87		25 - 150	07/06/23 11:41	07/15/23 04:24	1
d5-NEtFOSAA	99		25 - 150	07/06/23 11:41	07/15/23 04:24	1
d-N-MeFOSA-M	60		10 - 150	07/06/23 11:41	07/15/23 04:24	1
d-N-EtFOSA-M	69		10 - 150	07/06/23 11:41	07/15/23 04:24	1
d7-N-MeFOSE-M	68		10 - 150	07/06/23 11:41	07/15/23 04:24	1
d9-N-EtFOSE-M	71		10 - 150	07/06/23 11:41	07/15/23 04:24	1
M2-4:2 FTS	81		25 - 150	07/06/23 11:41	07/15/23 04:24	1
M2-8:2 FTS	115		25 - 150	07/06/23 11:41	07/15/23 04:24	1
13C3 HFPO-DA	71		25 - 150	07/06/23 11:41	07/15/23 04:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**640**		25	13	ng/L		07/06/23 11:41	07/15/23 03:51	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	75		25 - 150	07/06/23 11:41	07/15/23 03:51	5

Client Sample ID: MP-04-(115-152)-202306

Date Collected: 06/12/23 16:05
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-27

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**190**		5.1	2.4	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluoroheptanoic acid (PFHpA)	**180**		2.0	0.25	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorooctanoic acid (PFOA)	**300**		2.0	0.86	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorononanoic acid (PFNA)	**15**		2.0	0.27	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorodecanoic acid (PFDA)	**1.7**	**J**	2.0	0.31	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorobutanesulfonic acid (PFBS)	**0.79**	**J**	2.0	0.20	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluoropentanesulfonic acid (PFPeS)	**0.62**	**J**	2.0	0.30	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorohexanesulfonic acid (PFHxS)	**3.7**		2.0	0.58	ng/L		07/06/23 11:41	07/15/23 04:36	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-04-(115-152)-202306
Date Collected: 06/12/23 16:05
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-27
Matrix: Water

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		07/06/23 11:41	07/15/23 04:36	1
Perfluorooctanesulfonic acid (PFOS)	**6.0**		2.0	0.55	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		07/06/23 11:41	07/15/23 04:36	1
Perfluorooctanesulfonamide (FOSA)	**1.4**	**J**	2.0	0.99	ng/L		07/06/23 11:41	07/15/23 04:36	1
NEtFOSA	<0.88		2.0	0.88	ng/L		07/06/23 11:41	07/15/23 04:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:41	07/15/23 04:36	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/06/23 11:41	07/15/23 04:36	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/06/23 11:41	07/15/23 04:36	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:41	07/15/23 04:36	1
NEtFOSE	<0.86		2.0	0.86	ng/L		07/06/23 11:41	07/15/23 04:36	1
4:2 FTS	**46**		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 04:36	1
8:2 FTS	**260**		2.0	0.46	ng/L		07/06/23 11:41	07/15/23 04:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:41	07/15/23 04:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:41	07/15/23 04:36	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 04:36	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 04:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C4 PFHpA	*108*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C5 PFNA	*113*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C2 PFDA	*115*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C2 PFUnA	*111*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C2 PFDoA	*111*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C2 PFTeDA	*118*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C3 PFBS	*102*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
18O2 PFHxS	*110*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C4 PFOS	*108*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C8 FOSA	*118*		*10 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d7-N-MeFOSE-M	*89*		*10 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
M2-4:2 FTS	*97*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*
13C3 HFPO-DA	*100*		*25 - 150*	*07/06/23 11:41*	*07/15/23 04:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**860**		40	9.9	ng/L		07/06/23 11:41	07/15/23 04:02	20
Perfluorohexanoic acid (PFHxA)	**670**		40	12	ng/L		07/06/23 11:41	07/15/23 04:02	20
6:2 FTS	**3600**		100	51	ng/L		07/06/23 11:41	07/15/23 04:02	20

Client Sample ID: MP-04-(115-152)-202306

Lab Sample ID: 320-101519-27

Date Collected: 06/12/23 16:05

Matrix: Water

Date Received: 06/15/23 09:10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	79		25 - 150	07/06/23 11:41	07/15/23 04:02	20
13C2 PFHxA	77		25 - 150	07/06/23 11:41	07/15/23 04:02	20
M2-6:2 FTS	112		25 - 150	07/06/23 11:41	07/15/23 04:02	20

Client Sample ID: MP-04-(080-112)-202306

Lab Sample ID: 320-101519-28

Date Collected: 06/12/23 16:16

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**160**		5.4	2.6	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluoroheptanoic acid (PFHpA)	**130**		2.2	0.27	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorooctanoic acid (PFOA)	**200**		2.2	0.92	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorononanoic acid (PFNA)	**7.5**		2.2	0.29	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorobutanesulfonic acid (PFBS)	**0.60**	**J**	2.2	0.22	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorohexanesulfonic acid (PFHxS)	**2.3**		2.2	0.62	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorooctanesulfonic acid (PFOS)	**2.2**		2.2	0.59	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 04:47	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 04:47	1
NEtFOSA	<0.95		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 04:47	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/06/23 11:41	07/15/23 04:47	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		07/06/23 11:41	07/15/23 04:47	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		07/06/23 11:41	07/15/23 04:47	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/06/23 11:41	07/15/23 04:47	1
NEtFOSE	<0.92		2.2	0.92	ng/L		07/06/23 11:41	07/15/23 04:47	1
4:2 FTS	**26**		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 04:47	1
8:2 FTS	**23**		2.2	0.50	ng/L		07/06/23 11:41	07/15/23 04:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		07/06/23 11:41	07/15/23 04:47	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/06/23 11:41	07/15/23 04:47	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 04:47	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 04:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C4 PFHpA	90		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C4 PFOA	85		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C5 PFNA	96		25 - 150	07/06/23 11:41	07/15/23 04:47	1

Client Sample ID: MP-04-(080-112)-202306

Lab Sample ID: 320-101519-28

Date Collected: 06/12/23 16:16

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	90		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C2 PFUnA	94		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C2 PFDoA	91		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C2 PFTeDA	96		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C3 PFBS	85		25 - 150	07/06/23 11:41	07/15/23 04:47	1
18O2 PFHxS	90		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C4 PFOS	92		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C8 FOSA	99		10 - 150	07/06/23 11:41	07/15/23 04:47	1
d3-NMeFOSAA	85		25 - 150	07/06/23 11:41	07/15/23 04:47	1
d5-NEtFOSAA	93		25 - 150	07/06/23 11:41	07/15/23 04:47	1
d-N-MeFOSA-M	76		10 - 150	07/06/23 11:41	07/15/23 04:47	1
d-N-EtFOSA-M	71		10 - 150	07/06/23 11:41	07/15/23 04:47	1
d7-N-MeFOSE-M	76		10 - 150	07/06/23 11:41	07/15/23 04:47	1
d9-N-EtFOSE-M	77		10 - 150	07/06/23 11:41	07/15/23 04:47	1
M2-4:2 FTS	89		25 - 150	07/06/23 11:41	07/15/23 04:47	1
M2-8:2 FTS	92		25 - 150	07/06/23 11:41	07/15/23 04:47	1
13C3 HFPO-DA	90		25 - 150	07/06/23 11:41	07/15/23 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**820**		22	5.3	ng/L		07/06/23 11:41	07/15/23 04:13	10
Perfluorohexanoic acid (PFHxA)	**490**		22	6.3	ng/L		07/06/23 11:41	07/15/23 04:13	10
6:2 FTS	**1900**		54	27	ng/L		07/06/23 11:41	07/15/23 04:13	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	89		25 - 150	07/06/23 11:41	07/15/23 04:13	10
13C2 PFHxA	88		25 - 150	07/06/23 11:41	07/15/23 04:13	10
M2-6:2 FTS	109		25 - 150	07/06/23 11:41	07/15/23 04:13	10

Client Sample ID: MP-04-(048-077)-202306

Lab Sample ID: 320-101519-29

Date Collected: 06/12/23 16:26

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.2**	**J**	6.0	2.9	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluoropentanoic acid (PFPeA)	**4.8**		2.4	0.59	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorohexanoic acid (PFHxA)	**2.7**		2.4	0.69	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluoroheptanoic acid (PFHpA)	**0.62**	**J**	2.4	0.30	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorononanoic acid (PFNA)	<0.32		2.4	0.32	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.87		2.4	0.87	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorobutanesulfonic acid (PFBS)	**0.61**	**J I**	2.4	0.24	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.68		2.4	0.68	ng/L		07/06/23 11:41	07/15/23 01:48	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-04-(048-077)-202306
Date Collected: 06/12/23 16:26
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-29
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.64		2.4	0.64	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		07/06/23 11:41	07/15/23 01:48	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		07/06/23 11:41	07/15/23 01:48	1
NEtFOSA	<1.0		2.4	1.0	ng/L		07/06/23 11:41	07/15/23 01:48	1
NMeFOSA	<0.51		2.4	0.51	ng/L		07/06/23 11:41	07/15/23 01:48	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		07/06/23 11:41	07/15/23 01:48	1
NEtFOSAA	<1.6		6.0	1.6	ng/L		07/06/23 11:41	07/15/23 01:48	1
NMeFOSE	<1.7		4.8	1.7	ng/L		07/06/23 11:41	07/15/23 01:48	1
NEtFOSE	<1.0		2.4	1.0	ng/L		07/06/23 11:41	07/15/23 01:48	1
4:2 FTS	<0.29		2.4	0.29	ng/L		07/06/23 11:41	07/15/23 01:48	1
6:2 FTS	<3.0		6.0	3.0	ng/L		07/06/23 11:41	07/15/23 01:48	1
8:2 FTS	<0.55		2.4	0.55	ng/L		07/06/23 11:41	07/15/23 01:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		07/06/23 11:41	07/15/23 01:48	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		07/06/23 11:41	07/15/23 01:48	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		07/06/23 11:41	07/15/23 01:48	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		07/06/23 11:41	07/15/23 01:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C5 PFPeA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C2 PFHxA	*75*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C4 PFHpA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C4 PFOA	*81*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C5 PFNA	*82*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C2 PFDA	*87*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C2 PFUnA	*77*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C3 PFBS	*72*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
18O2 PFHxS	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C4 PFOS	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C8 FOSA	*84*		*10 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d3-NMeFOSAA	*73*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d5-NEtFOSAA	*77*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d-N-MeFOSA-M	*60*		*10 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d-N-EtFOSA-M	*59*		*10 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d7-N-MeFOSE-M	*67*		*10 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
d9-N-EtFOSE-M	*65*		*10 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
M2-4:2 FTS	*77*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*
13C3 HFPO-DA	*72*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:48*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-05-(SWL-065)-202306
Date Collected: 06/12/23 14:03
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-30
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**24**		5.4	2.6	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluoropentanoic acid (PFPeA)	**54**		2.1	0.53	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorohexanoic acid (PFHxA)	**33**		2.1	0.62	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluoroheptanoic acid (PFHpA)	**14**		2.1	0.27	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorooctanoic acid (PFOA)	**9.8**		2.1	0.91	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorononanoic acid (PFNA)	**1.2**	**J**	2.1	0.29	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorobutanesulfonic acid (PFBS)	**0.93**	**J**	2.1	0.21	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/06/23 11:41	07/15/23 01:59	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.1	1.1	ng/L		07/06/23 11:41	07/15/23 01:59	1
NEtFOSA	<0.94		2.1	0.94	ng/L		07/06/23 11:41	07/15/23 01:59	1
NMeFOSA	<0.46		2.1	0.46	ng/L		07/06/23 11:41	07/15/23 01:59	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		07/06/23 11:41	07/15/23 01:59	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		07/06/23 11:41	07/15/23 01:59	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/06/23 11:41	07/15/23 01:59	1
NEtFOSE	<0.91		2.1	0.91	ng/L		07/06/23 11:41	07/15/23 01:59	1
4:2 FTS	<0.26		2.1	0.26	ng/L		07/06/23 11:41	07/15/23 01:59	1
6:2 FTS	<2.7		5.4	2.7	ng/L		07/06/23 11:41	07/15/23 01:59	1
8:2 FTS	<0.49		2.1	0.49	ng/L		07/06/23 11:41	07/15/23 01:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		07/06/23 11:41	07/15/23 01:59	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/06/23 11:41	07/15/23 01:59	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		07/06/23 11:41	07/15/23 01:59	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/06/23 11:41	07/15/23 01:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*33*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C5 PFPeA	*31*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C2 PFHxA	*32*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C4 PFHpA	*32*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C4 PFOA	*33*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C5 PFNA	*33*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C2 PFDA	*34*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C2 PFUnA	*29*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C2 PFDoA	*26*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C2 PFTeDA	*27*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*
13C3 PFBS	*29*		*25 - 150*	*07/06/23 11:41*	*07/15/23 01:59*	*1*

Client Sample ID: MP-05-(SWL-065)-202306

Lab Sample ID: 320-101519-30

Date Collected: 06/12/23 14:03

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	31		25 - 150	07/06/23 11:41	07/15/23 01:59	1
13C4 PFOS	31		25 - 150	07/06/23 11:41	07/15/23 01:59	1
13C8 FOSA	33		10 - 150	07/06/23 11:41	07/15/23 01:59	1
d3-NMeFOSAA	28		25 - 150	07/06/23 11:41	07/15/23 01:59	1
d5-NEtFOSAA	27		25 - 150	07/06/23 11:41	07/15/23 01:59	1
d-N-MeFOSA-M	21		10 - 150	07/06/23 11:41	07/15/23 01:59	1
d-N-EtFOSA-M	19		10 - 150	07/06/23 11:41	07/15/23 01:59	1
d7-N-MeFOSE-M	19		10 - 150	07/06/23 11:41	07/15/23 01:59	1
d9-N-EtFOSE-M	20		10 - 150	07/06/23 11:41	07/15/23 01:59	1
M2-4:2 FTS	34		25 - 150	07/06/23 11:41	07/15/23 01:59	1
M2-6:2 FTS	33		25 - 150	07/06/23 11:41	07/15/23 01:59	1
M2-8:2 FTS	40		25 - 150	07/06/23 11:41	07/15/23 01:59	1
13C3 HFPO-DA	27		25 - 150	07/06/23 11:41	07/15/23 01:59	1

Client Sample ID: MP-06-(148-178)-202306

Lab Sample ID: 320-101519-31

Date Collected: 06/13/23 08:29

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:41	07/15/23 02:10	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:41	07/15/23 02:10	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:41	07/15/23 02:10	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:41	07/15/23 02:10	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:41	07/15/23 02:10	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:41	07/15/23 02:10	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:41	07/15/23 02:10	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:41	07/15/23 02:10	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:41	07/15/23 02:10	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 02:10	1
6:2 FTS	<2.5		4.9	2.5	ng/L		07/06/23 11:41	07/15/23 02:10	1

Client Sample ID: MP-06-(148-178)-202306

Lab Sample ID: 320-101519-31

Date Collected: 06/13/23 08:29

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:41	07/15/23 02:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:41	07/15/23 02:10	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:41	07/15/23 02:10	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 02:10	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 02:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C5 PFPeA	*70*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C2 PFHxA	*70*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C4 PFHpA	*73*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C4 PFOA	*74*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C5 PFNA	*74*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C2 PFDA	*76*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C2 PFUnA	*75*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C2 PFDoA	*74*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C3 PFBS	*67*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
18O2 PFHxS	*72*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C4 PFOS	*71*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C8 FOSA	*77*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d-N-MeFOSA-M	*59*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d-N-EtFOSA-M	*58*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d7-N-MeFOSE-M	*61*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
d9-N-EtFOSE-M	*62*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
M2-4:2 FTS	*72*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
M2-6:2 FTS	*72*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*
13C3 HFPO-DA	*68*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:10*	*1*

Client Sample ID: MP-06-(113-145)-202306

Lab Sample ID: 320-101519-32

Date Collected: 06/13/23 08:43

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:41	07/15/23 02:21	1
Perfluoropentanoic acid (PFPeA)	**0.64**	**J**	2.1	0.52	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluoroheptanoic acid (PFHpA)	**0.50**	**J**	2.1	0.26	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorooctanoic acid (PFOA)	**1.1**	**J**	2.1	0.90	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/06/23 11:41	07/15/23 02:21	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(113-145)-202306
Date Collected: 06/13/23 08:43
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-32
Matrix: Water

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		07/06/23 11:41	07/15/23 02:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/06/23 11:41	07/15/23 02:21	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/06/23 11:41	07/15/23 02:21	1
NEtFOSA	<0.92		2.1	0.92	ng/L		07/06/23 11:41	07/15/23 02:21	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/06/23 11:41	07/15/23 02:21	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		07/06/23 11:41	07/15/23 02:21	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		07/06/23 11:41	07/15/23 02:21	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/06/23 11:41	07/15/23 02:21	1
NEtFOSE	<0.90		2.1	0.90	ng/L		07/06/23 11:41	07/15/23 02:21	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/06/23 11:41	07/15/23 02:21	1
6:2 FTS	<2.6		5.3	2.6	ng/L		07/06/23 11:41	07/15/23 02:21	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/06/23 11:41	07/15/23 02:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		07/06/23 11:41	07/15/23 02:21	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/06/23 11:41	07/15/23 02:21	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/06/23 11:41	07/15/23 02:21	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/06/23 11:41	07/15/23 02:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C5 PFPeA	*73*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C2 PFHxA	*75*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C4 PFHpA	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C4 PFOA	*80*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C5 PFNA	*82*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C2 PFDA	*82*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C2 PFUnA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C2 PFDoA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C3 PFBS	*74*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
18O2 PFHxS	*77*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C4 PFOS	*75*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C8 FOSA	*80*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d-N-MeFOSA-M	*66*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d-N-EtFOSA-M	*64*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d7-N-MeFOSE-M	*65*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
d9-N-EtFOSE-M	*65*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
M2-4:2 FTS	*70*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*
13C3 HFPO-DA	*68*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:21*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(73-110)-202306

Date Collected: 06/13/23 09:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-33

Matrix: Water

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		07/06/23 11:41	07/15/23 02:32	1
Perfluoropentanoic acid (PFPeA)	**1.4**	**J**	2.2	0.54	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluoroheptanoic acid (PFHpA)	**0.49**	**J**	2.2	0.27	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorooctanoic acid (PFOA)	**1.1**	**J**	2.2	0.93	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:32	1
Perfluorooctanesulfonamide (FOSA)	**2.8**		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:32	1
NEtFOSA	<0.95		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 02:32	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/06/23 11:41	07/15/23 02:32	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		07/06/23 11:41	07/15/23 02:32	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		07/06/23 11:41	07/15/23 02:32	1
NMeFOSE	<1.5		4.4	1.5	ng/L		07/06/23 11:41	07/15/23 02:32	1
NEtFOSE	<0.93		2.2	0.93	ng/L		07/06/23 11:41	07/15/23 02:32	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 02:32	1
6:2 FTS	<2.7		5.5	2.7	ng/L		07/06/23 11:41	07/15/23 02:32	1
8:2 FTS	<0.50		2.2	0.50	ng/L		07/06/23 11:41	07/15/23 02:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:41	07/15/23 02:32	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		07/06/23 11:41	07/15/23 02:32	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 02:32	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 02:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C5 PFPeA	*86*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C4 PFHpA	*91*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C4 PFOA	*93*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C5 PFNA	*94*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C2 PFDA	*91*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C2 PFUnA	*88*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C2 PFDoA	*87*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*
13C3 PFBS	*86*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:32*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(73-110)-202306

Lab Sample ID: 320-101519-33

Date Collected: 06/13/23 09:00
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	89		25 - 150	07/06/23 11:41	07/15/23 02:32	1
13C4 PFOS	87		25 - 150	07/06/23 11:41	07/15/23 02:32	1
13C8 FOSA	91		10 - 150	07/06/23 11:41	07/15/23 02:32	1
d3-NMeFOSAA	78		25 - 150	07/06/23 11:41	07/15/23 02:32	1
d5-NEtFOSAA	85		25 - 150	07/06/23 11:41	07/15/23 02:32	1
d-N-MeFOSA-M	67		10 - 150	07/06/23 11:41	07/15/23 02:32	1
d-N-EtFOSA-M	62		10 - 150	07/06/23 11:41	07/15/23 02:32	1
d7-N-MeFOSE-M	75		10 - 150	07/06/23 11:41	07/15/23 02:32	1
d9-N-EtFOSE-M	76		10 - 150	07/06/23 11:41	07/15/23 02:32	1
M2-4:2 FTS	92		25 - 150	07/06/23 11:41	07/15/23 02:32	1
M2-6:2 FTS	87		25 - 150	07/06/23 11:41	07/15/23 02:32	1
M2-8:2 FTS	88		25 - 150	07/06/23 11:41	07/15/23 02:32	1
13C3 HFPO-DA	84		25 - 150	07/06/23 11:41	07/15/23 02:32	1

Client Sample ID: MP-06-(36-70)-202306

Lab Sample ID: 320-101519-34

Date Collected: 06/13/23 09:12
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		5.5	2.6	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluoropentanoic acid (PFPeA)	**45**		2.2	0.54	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorohexanoic acid (PFHxA)	**28**		2.2	0.64	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluoroheptanoic acid (PFHpA)	**27**		2.2	0.28	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorooctanoic acid (PFOA)	**35**		2.2	0.94	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorononanoic acid (PFNA)	**2.9**		2.2	0.30	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.80		2.2	0.80	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorobutanesulfonic acid (PFBS)	**0.47**	**J**	2.2	0.22	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:44	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:44	1
NEtFOSA	<0.96		2.2	0.96	ng/L		07/06/23 11:41	07/15/23 02:44	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/06/23 11:41	07/15/23 02:44	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		07/06/23 11:41	07/15/23 02:44	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		07/06/23 11:41	07/15/23 02:44	1
NMeFOSE	<1.5		4.4	1.5	ng/L		07/06/23 11:41	07/15/23 02:44	1
NEtFOSE	<0.94		2.2	0.94	ng/L		07/06/23 11:41	07/15/23 02:44	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 02:44	1

Client Sample ID: MP-06-(36-70)-202306

Lab Sample ID: 320-101519-34

Date Collected: 06/13/23 09:12

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.8		5.5	2.8	ng/L		07/06/23 11:41	07/15/23 02:44	1
8:2 FTS	<0.51		2.2	0.51	ng/L		07/06/23 11:41	07/15/23 02:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/06/23 11:41	07/15/23 02:44	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		07/06/23 11:41	07/15/23 02:44	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/06/23 11:41	07/15/23 02:44	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 02:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C5 PFPeA	*89*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C2 PFHxA	*87*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C5 PFNA	*95*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C2 PFDoA	*88*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C2 PFTeDA	*94*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C3 PFBS	*80*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
18O2 PFHxS	*89*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C4 PFOS	*87*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C8 FOSA	*93*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
d9-N-EtFOSE-M	*78*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
M2-4:2 FTS	*85*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:44*	*1*

Client Sample ID: MP-06-(21-33)-202306

Lab Sample ID: 320-101519-35

Date Collected: 06/13/23 09:33

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**26**		5.6	2.7	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluoropentanoic acid (PFPeA)	**100**		2.2	0.55	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorohexanoic acid (PFHxA)	**71**		2.2	0.65	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluoroheptanoic acid (PFHpA)	**66**		2.2	0.28	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorooctanoic acid (PFOA)	**78**		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorononanoic acid (PFNA)	**14**		2.2	0.30	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorodecanoic acid (PFDA)	**0.65**	**J**	2.2	0.35	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.2	0.62	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.2	1.5	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		07/06/23 11:41	07/15/23 02:55	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(21-33)-202306
Date Collected: 06/13/23 09:33
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-35
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	**0.26**	**J**	2.2	0.22	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.67**	**J**	2.2	0.61	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.2	0.42	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:55	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 02:55	1
NEtFOSA	<0.98		2.2	0.98	ng/L		07/06/23 11:41	07/15/23 02:55	1
NMeFOSA	<0.48		2.2	0.48	ng/L		07/06/23 11:41	07/15/23 02:55	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		07/06/23 11:41	07/15/23 02:55	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		07/06/23 11:41	07/15/23 02:55	1
NMeFOSE	<1.6		4.5	1.6	ng/L		07/06/23 11:41	07/15/23 02:55	1
NEtFOSE	<0.95		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 02:55	1
4:2 FTS	<0.27		2.2	0.27	ng/L		07/06/23 11:41	07/15/23 02:55	1
6:2 FTS	**5.4**	**J**	5.6	2.8	ng/L		07/06/23 11:41	07/15/23 02:55	1
8:2 FTS	**2.8**		2.2	0.52	ng/L		07/06/23 11:41	07/15/23 02:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		07/06/23 11:41	07/15/23 02:55	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		07/06/23 11:41	07/15/23 02:55	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		07/06/23 11:41	07/15/23 02:55	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		07/06/23 11:41	07/15/23 02:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C2 PFHxA	*90*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C5 PFNA	*97*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C2 PFDA	*97*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C2 PFDoA	*79*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C2 PFTeDA	*63*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
18O2 PFHxS	*91*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C4 PFOS	*95*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
13C8 FOSA	*101*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d3-NMeFOSAA	*90*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d-N-MeFOSA-M	*70*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d-N-EtFOSA-M	*61*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d7-N-MeFOSE-M	*58*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
d9-N-EtFOSE-M	*53*		*10 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
M2-4:2 FTS	*111*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*07/06/23 11:41*	*07/15/23 02:55*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(21-33)-202306

Lab Sample ID: 320-101519-35
Matrix: Water
Date Collected: 06/13/23 09:33
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	98		25 - 150	07/06/23 11:41	07/15/23 02:55	1
13C3 HFPO-DA	93		25 - 150	07/06/23 11:41	07/15/23 02:55	1

Client Sample ID: MP-07-(220-258)-202306

Lab Sample ID: 320-101519-36
Matrix: Water
Date Collected: 06/12/23 12:05
Date Received: 06/15/23 09:10

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		07/06/23 11:41	07/15/23 03:29	1
Perfluoropentanoic acid (PFPeA)	<0.55		2.2	0.55	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorohexanoic acid (PFHxA)	<0.65		2.2	0.65	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorooctanoic acid (PFOA)	<0.95		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorodecanoic acid (PFDA)	<0.35		2.2	0.35	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.2	0.62	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.2	1.5	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.2	0.82	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.2	0.34	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.64		2.2	0.64	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.61		2.2	0.61	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 03:29	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/06/23 11:41	07/15/23 03:29	1
NEtFOSA	<0.98		2.2	0.98	ng/L		07/06/23 11:41	07/15/23 03:29	1
NMeFOSA	<0.48		2.2	0.48	ng/L		07/06/23 11:41	07/15/23 03:29	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		07/06/23 11:41	07/15/23 03:29	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		07/06/23 11:41	07/15/23 03:29	1
NMeFOSE	<1.6		4.5	1.6	ng/L		07/06/23 11:41	07/15/23 03:29	1
NEtFOSE	<0.95		2.2	0.95	ng/L		07/06/23 11:41	07/15/23 03:29	1
4:2 FTS	<0.27		2.2	0.27	ng/L		07/06/23 11:41	07/15/23 03:29	1
6:2 FTS	<2.8		5.6	2.8	ng/L		07/06/23 11:41	07/15/23 03:29	1
8:2 FTS	<0.52		2.2	0.52	ng/L		07/06/23 11:41	07/15/23 03:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		07/06/23 11:41	07/15/23 03:29	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		07/06/23 11:41	07/15/23 03:29	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		07/06/23 11:41	07/15/23 03:29	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		07/06/23 11:41	07/15/23 03:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C5 PFPeA	99		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C2 PFHxA	98		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C4 PFHpA	105		25 - 150	07/06/23 11:41	07/15/23 03:29	1

Client Sample ID: MP-07-(220-258)-202306

Lab Sample ID: 320-101519-36

Date Collected: 06/12/23 12:05

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	108		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C5 PFNA	106		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C2 PFDA	108		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C2 PFUnA	107		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C2 PFDoA	108		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C2 PFTeDA	108		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C3 PFBS	94		25 - 150	07/06/23 11:41	07/15/23 03:29	1
18O2 PFHxS	102		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C4 PFOS	103		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C8 FOSA	110		10 - 150	07/06/23 11:41	07/15/23 03:29	1
d3-NMeFOSAA	108		25 - 150	07/06/23 11:41	07/15/23 03:29	1
d5-NEtFOSAA	106		25 - 150	07/06/23 11:41	07/15/23 03:29	1
d-N-MeFOSA-M	82		10 - 150	07/06/23 11:41	07/15/23 03:29	1
d-N-EtFOSA-M	86		10 - 150	07/06/23 11:41	07/15/23 03:29	1
d7-N-MeFOSE-M	84		10 - 150	07/06/23 11:41	07/15/23 03:29	1
d9-N-EtFOSE-M	91		10 - 150	07/06/23 11:41	07/15/23 03:29	1
M2-4:2 FTS	103		25 - 150	07/06/23 11:41	07/15/23 03:29	1
M2-6:2 FTS	100		25 - 150	07/06/23 11:41	07/15/23 03:29	1
M2-8:2 FTS	106		25 - 150	07/06/23 11:41	07/15/23 03:29	1
13C3 HFPO-DA	94		25 - 150	07/06/23 11:41	07/15/23 03:29	1

Client Sample ID: MP-07-(195-217)-202306

Lab Sample ID: 320-101519-37

Date Collected: 06/12/23 12:17

Matrix: Water

Date Received: 06/15/23 09:10

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		07/06/23 11:41	07/17/23 15:39	1
Perfluoropentanoic acid (PFPeA)	**1.0**	**J**	2.0	0.48	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/06/23 11:41	07/17/23 15:39	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/06/23 11:41	07/17/23 15:39	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/06/23 11:41	07/17/23 15:39	1

Client Sample ID: MP-07-(195-217)-202306

Lab Sample ID: 320-101519-37

Date Collected: 06/12/23 12:17

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.42		2.0	0.42	ng/L		07/06/23 11:41	07/17/23 15:39	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/06/23 11:41	07/17/23 15:39	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/06/23 11:41	07/17/23 15:39	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:41	07/17/23 15:39	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/06/23 11:41	07/17/23 15:39	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/17/23 15:39	1
6:2 FTS	**4.0**	**J**	4.9	2.5	ng/L		07/06/23 11:41	07/17/23 15:39	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/06/23 11:41	07/17/23 15:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:41	07/17/23 15:39	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:41	07/17/23 15:39	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/17/23 15:39	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/17/23 15:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C5 PFPeA	*90*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C2 PFHxA	*92*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C4 PFHpA	*99*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C4 PFOA	*97*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C2 PFUnA	*105*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C2 PFDoA	*97*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C3 PFBS	*77*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C4 PFOS	*88*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C8 FOSA	*93*		*10 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d-N-MeFOSA-M	*69*		*10 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d7-N-MeFOSE-M	*68*		*10 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
d9-N-EtFOSE-M	*73*		*10 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
M2-4:2 FTS	*94*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*07/06/23 11:41*	*07/17/23 15:39*	*1*

Client Sample ID: MP-07-(155-192)-202306

Lab Sample ID: 320-101519-38

Date Collected: 06/12/23 12:37

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.8**	**J**	5.0	2.4	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluoropentanoic acid (PFPeA)	**14**		2.0	0.49	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorohexanoic acid (PFHxA)	**9.4**		2.0	0.58	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluoroheptanoic acid (PFHpA)	**3.0**		2.0	0.25	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorooctanoic acid (PFOA)	**3.3**		2.0	0.85	ng/L		07/07/23 05:30	07/12/23 11:51	1

Client Sample ID: MP-07-(155-192)-202306
Date Collected: 06/12/23 12:37
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-38
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorobutanesulfonic acid (PFBS)	**0.28**	**J**	2.0	0.20	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/07/23 05:30	07/12/23 11:51	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/07/23 05:30	07/12/23 11:51	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/07/23 05:30	07/12/23 11:51	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/07/23 05:30	07/12/23 11:51	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/07/23 05:30	07/12/23 11:51	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/07/23 05:30	07/12/23 11:51	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/07/23 05:30	07/12/23 11:51	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/07/23 05:30	07/12/23 11:51	1
4:2 FTS	**0.35**	**J**	2.0	0.24	ng/L		07/07/23 05:30	07/12/23 11:51	1
6:2 FTS	**40**		5.0	2.5	ng/L		07/07/23 05:30	07/12/23 11:51	1
8:2 FTS	**1.1**	**J**	2.0	0.46	ng/L		07/07/23 05:30	07/12/23 11:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/07/23 05:30	07/12/23 11:51	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/07/23 05:30	07/12/23 11:51	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/07/23 05:30	07/12/23 11:51	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 11:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C5 PFPeA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C2 PFHxA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C4 PFHpA	*105*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C4 PFOA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C5 PFNA	*108*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C2 PFDA	*109*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C2 PFUnA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C2 PFDoA	*100*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C3 PFBS	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
18O2 PFHxS	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C4 PFOS	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
13C8 FOSA	*117*		*10 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:51*	*1*

Client Sample ID: MP-07-(155-192)-202306

Lab Sample ID: 320-101519-38

Date Collected: 06/12/23 12:37

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	69		10 - 150	07/07/23 05:30	07/12/23 11:51	1
d-N-EtFOSA-M	92		10 - 150	07/07/23 05:30	07/12/23 11:51	1
d7-N-MeFOSE-M	80		10 - 150	07/07/23 05:30	07/12/23 11:51	1
d9-N-EtFOSE-M	93		10 - 150	07/07/23 05:30	07/12/23 11:51	1
M2-4:2 FTS	139		25 - 150	07/07/23 05:30	07/12/23 11:51	1
M2-6:2 FTS	118		25 - 150	07/07/23 05:30	07/12/23 11:51	1
M2-8:2 FTS	146		25 - 150	07/07/23 05:30	07/12/23 11:51	1
13C3 HFPO-DA	99		25 - 150	07/07/23 05:30	07/12/23 11:51	1

Client Sample ID: MP-07-(115-152)-202306

Lab Sample ID: 320-101519-39

Date Collected: 06/12/23 12:55

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**50**		5.1	2.4	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluoropentanoic acid (PFPeA)	**190**		2.0	0.50	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorohexanoic acid (PFHxA)	**140**		2.0	0.59	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluoroheptanoic acid (PFHpA)	**41**		2.0	0.25	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorooctanoic acid (PFOA)	**41**		2.0	0.86	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorononanoic acid (PFNA)	**2.6**		2.0	0.27	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorobutanesulfonic acid (PFBS)	**0.32**	**J**	2.0	0.20	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorohexanesulfonic acid (PFHxS)	**1.1**	**J**	2.0	0.58	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorooctanesulfonic acid (PFOS)	**0.98**	**J**	2.0	0.55	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		07/07/23 05:30	07/12/23 12:01	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		07/07/23 05:30	07/12/23 12:01	1
NEtFOSA	<0.88		2.0	0.88	ng/L		07/07/23 05:30	07/12/23 12:01	1
NMeFOSA	<0.44		2.0	0.44	ng/L		07/07/23 05:30	07/12/23 12:01	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/07/23 05:30	07/12/23 12:01	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/07/23 05:30	07/12/23 12:01	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/07/23 05:30	07/12/23 12:01	1
NEtFOSE	<0.86		2.0	0.86	ng/L		07/07/23 05:30	07/12/23 12:01	1
4:2 FTS	**4.8**		2.0	0.24	ng/L		07/07/23 05:30	07/12/23 12:01	1
8:2 FTS	**14**		2.0	0.47	ng/L		07/07/23 05:30	07/12/23 12:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		07/07/23 05:30	07/12/23 12:01	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		07/07/23 05:30	07/12/23 12:01	1

Client Sample ID: MP-07-(115-152)-202306

Lab Sample ID: 320-101519-39

Date Collected: 06/12/23 12:55

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/07/23 05:30	07/12/23 12:01	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 12:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C5 PFPeA	*108*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C4 PFHpA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C4 PFOA	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C5 PFNA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C2 PFDA	*100*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C2 PFUnA	*100*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C3 PFBS	*92*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
18O2 PFHxS	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C4 PFOS	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C8 FOSA	*105*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d3-NMeFOSAA	*100*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d5-NEtFOSAA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d-N-MeFOSA-M	*87*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
d9-N-EtFOSE-M	*95*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
M2-4:2 FTS	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*
13C3 HFPO-DA	*92*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**660**		25	13	ng/L		07/07/23 05:30	07/11/23 15:47	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*110*		*25 - 150*	*07/07/23 05:30*	*07/11/23 15:47*	*5*

Client Sample ID: MP-07-(80-112)-202306

Lab Sample ID: 320-101519-40

Date Collected: 06/12/23 13:07

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluoropentanoic acid (PFPeA)	**0.76**	**J**	2.1	0.51	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorohexanoic acid (PFHxA)	**0.63**	**J**	2.1	0.61	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		07/07/23 05:30	07/12/23 12:12	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-07-(80-112)-202306
Date Collected: 06/12/23 13:07
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-40
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	**7.2**		2.1	0.21	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/07/23 05:30	07/12/23 12:12	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/07/23 05:30	07/12/23 12:12	1
NEtFOSA	<0.91		2.1	0.91	ng/L		07/07/23 05:30	07/12/23 12:12	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/07/23 05:30	07/12/23 12:12	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		07/07/23 05:30	07/12/23 12:12	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		07/07/23 05:30	07/12/23 12:12	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/07/23 05:30	07/12/23 12:12	1
NEtFOSE	<0.89		2.1	0.89	ng/L		07/07/23 05:30	07/12/23 12:12	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/07/23 05:30	07/12/23 12:12	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/07/23 05:30	07/12/23 12:12	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/07/23 05:30	07/12/23 12:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		07/07/23 05:30	07/12/23 12:12	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/07/23 05:30	07/12/23 12:12	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/07/23 05:30	07/12/23 12:12	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		07/07/23 05:30	07/12/23 12:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C2 PFHxA	*95*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C4 PFHpA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C4 PFOA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C2 PFDA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C2 PFDoA	*91*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C3 PFBS	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
18O2 PFHxS	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C4 PFOS	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
13C8 FOSA	*107*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d-N-MeFOSA-M	*92*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d-N-EtFOSA-M	*86*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
M2-4:2 FTS	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:12*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-07-(80-112)-202306

Lab Sample ID: 320-101519-40

Date Collected: 06/12/23 13:07
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	102		25 - 150	07/07/23 05:30	07/12/23 12:12	1
13C3 HFPO-DA	94		25 - 150	07/07/23 05:30	07/12/23 12:12	1

Client Sample ID: MP-07-(48-77)-202306

Lab Sample ID: 320-101519-41

Date Collected: 06/12/23 13:20
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.9		6.0	2.9	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluoropentanoic acid (PFPeA)	<0.58		2.4	0.58	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorohexanoic acid (PFHxA)	<0.69		2.4	0.69	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluoroheptanoic acid (PFHpA)	<0.30		2.4	0.30	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorooctanoic acid (PFOA)	<1.0		2.4	1.0	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorononanoic acid (PFNA)	<0.32		2.4	0.32	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorododecanoic acid (PFDoA)	<0.66		2.4	0.66	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.4	1.5	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.87		2.4	0.87	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorobutanesulfonic acid (PFBS)	**7.5**		2.4	0.24	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.36		2.4	0.36	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.68		2.4	0.68	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.23		2.4	0.23	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.64		2.4	0.64	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		07/07/23 05:30	07/12/23 12:22	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		07/07/23 05:30	07/12/23 12:22	1
NEtFOSA	<1.0		2.4	1.0	ng/L		07/07/23 05:30	07/12/23 12:22	1
NMeFOSA	<0.51		2.4	0.51	ng/L		07/07/23 05:30	07/12/23 12:22	1
NMeFOSAA	<1.4		6.0	1.4	ng/L		07/07/23 05:30	07/12/23 12:22	1
NEtFOSAA	<1.5		6.0	1.5	ng/L		07/07/23 05:30	07/12/23 12:22	1
NMeFOSE	<1.7		4.8	1.7	ng/L		07/07/23 05:30	07/12/23 12:22	1
NEtFOSE	<1.0		2.4	1.0	ng/L		07/07/23 05:30	07/12/23 12:22	1
4:2 FTS	<0.29		2.4	0.29	ng/L		07/07/23 05:30	07/12/23 12:22	1
6:2 FTS	<3.0		6.0	3.0	ng/L		07/07/23 05:30	07/12/23 12:22	1
8:2 FTS	<0.55		2.4	0.55	ng/L		07/07/23 05:30	07/12/23 12:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.48		2.4	0.48	ng/L		07/07/23 05:30	07/12/23 12:22	1
HFPO-DA (GenX)	<1.8		4.8	1.8	ng/L		07/07/23 05:30	07/12/23 12:22	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		07/07/23 05:30	07/12/23 12:22	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		07/07/23 05:30	07/12/23 12:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	07/07/23 05:30	07/12/23 12:22	1
13C5 PFPeA	96		25 - 150	07/07/23 05:30	07/12/23 12:22	1
13C2 PFHxA	98		25 - 150	07/07/23 05:30	07/12/23 12:22	1

Client Sample ID: MP-07-(48-77)-202306

Lab Sample ID: 320-101519-41

Date Collected: 06/12/23 13:20

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFHpA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C5 PFNA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C2 PFDA	*95*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C2 PFTeDA	*90*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C3 PFBS	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
18O2 PFHxS	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C4 PFOS	*94*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C8 FOSA	*107*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d3-NMeFOSAA	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d-N-MeFOSA-M	*94*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d-N-EtFOSA-M	*87*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
d9-N-EtFOSE-M	*88*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
M2-4:2 FTS	*95*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*
13C3 HFPO-DA	*94*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:22*	*1*

Client Sample ID: MP-08-(220-246)-202306

Lab Sample ID: 320-101519-42

Date Collected: 06/12/23 10:06

Matrix: Water

Date Received: 06/15/23 09:10

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		07/07/23 05:30	07/12/23 12:32	1
Perfluoropentanoic acid (PFPeA)	<0.50		2.1	0.50	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorohexanoic acid (PFHxA)	<0.60		2.1	0.60	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorooctanoic acid (PFOA)	<0.87		2.1	0.87	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/07/23 05:30	07/12/23 12:32	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/07/23 05:30	07/12/23 12:32	1

Client Sample ID: MP-08-(220-246)-202306

Lab Sample ID: 320-101519-42

Date Collected: 06/12/23 10:06

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.90		2.1	0.90	ng/L		07/07/23 05:30	07/12/23 12:32	1
NMeFOSA	<0.44		2.1	0.44	ng/L		07/07/23 05:30	07/12/23 12:32	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/07/23 05:30	07/12/23 12:32	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/07/23 05:30	07/12/23 12:32	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/07/23 05:30	07/12/23 12:32	1
NEtFOSE	<0.87		2.1	0.87	ng/L		07/07/23 05:30	07/12/23 12:32	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/07/23 05:30	07/12/23 12:32	1
6:2 FTS	<2.6		5.1	2.6	ng/L		07/07/23 05:30	07/12/23 12:32	1
8:2 FTS	<0.47		2.1	0.47	ng/L		07/07/23 05:30	07/12/23 12:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		07/07/23 05:30	07/12/23 12:32	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		07/07/23 05:30	07/12/23 12:32	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/07/23 05:30	07/12/23 12:32	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		07/07/23 05:30	07/12/23 12:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C2 PFHxA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C4 PFHpA	*105*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C4 PFOA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C5 PFNA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C2 PFDA	*105*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C2 PFUnA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C2 PFDoA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
18O2 PFHxS	*106*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C4 PFOS	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C8 FOSA	*116*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d-N-MeFOSA-M	*90*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d-N-EtFOSA-M	*94*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
M2-4:2 FTS	*113*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
M2-8:2 FTS	*118*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*
13C3 HFPO-DA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:32*	*1*

Client Sample ID: MP-08-(195-217)-202306

Lab Sample ID: 320-101519-43

Date Collected: 06/12/23 10:27

Matrix: Water

Date Received: 06/15/23 09:10

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		07/07/23 05:30	07/12/23 12:42	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorohexanoic acid (PFHxA)	<0.64		2.2	0.64	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluoroheptanoic acid (PFHpA)	<0.28		2.2	0.28	ng/L		07/07/23 05:30	07/12/23 12:42	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-08-(195-217)-202306
Date Collected: 06/12/23 10:27
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-43
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	<0.94		2.2	0.94	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorobutanesulfonic acid (PFBS)	**1.7**	**J**	2.2	0.22	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.63		2.2	0.63	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.60		2.2	0.60	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		07/07/23 05:30	07/12/23 12:42	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		07/07/23 05:30	07/12/23 12:42	1
NEtFOSA	<0.96		2.2	0.96	ng/L		07/07/23 05:30	07/12/23 12:42	1
NMeFOSA	<0.47		2.2	0.47	ng/L		07/07/23 05:30	07/12/23 12:42	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		07/07/23 05:30	07/12/23 12:42	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		07/07/23 05:30	07/12/23 12:42	1
NMeFOSE	<1.5		4.4	1.5	ng/L		07/07/23 05:30	07/12/23 12:42	1
NEtFOSE	<0.94		2.2	0.94	ng/L		07/07/23 05:30	07/12/23 12:42	1
4:2 FTS	<0.26		2.2	0.26	ng/L		07/07/23 05:30	07/12/23 12:42	1
6:2 FTS	<2.8		5.5	2.8	ng/L		07/07/23 05:30	07/12/23 12:42	1
8:2 FTS	<0.51		2.2	0.51	ng/L		07/07/23 05:30	07/12/23 12:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		07/07/23 05:30	07/12/23 12:42	1
HFPO-DA (GenX)	<1.7		4.4	1.7	ng/L		07/07/23 05:30	07/12/23 12:42	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		07/07/23 05:30	07/12/23 12:42	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		07/07/23 05:30	07/12/23 12:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C5 PFPeA	*97*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C2 PFHxA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C4 PFHpA	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C4 PFOA	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C5 PFNA	*106*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C2 PFTeDA	*103*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
18O2 PFHxS	*104*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C4 PFOS	*107*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
13C8 FOSA	*114*		*10 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*07/07/23 05:30*	*07/12/23 12:42*	*1*

Client Sample ID: MP-08-(195-217)-202306

Lab Sample ID: 320-101519-43

Date Collected: 06/12/23 10:27

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	108		25 - 150	07/07/23 05:30	07/12/23 12:42	1
d-N-MeFOSA-M	97		10 - 150	07/07/23 05:30	07/12/23 12:42	1
d-N-EtFOSA-M	92		10 - 150	07/07/23 05:30	07/12/23 12:42	1
d7-N-MeFOSE-M	94		10 - 150	07/07/23 05:30	07/12/23 12:42	1
d9-N-EtFOSE-M	90		10 - 150	07/07/23 05:30	07/12/23 12:42	1
M2-4:2 FTS	104		25 - 150	07/07/23 05:30	07/12/23 12:42	1
M2-6:2 FTS	105		25 - 150	07/07/23 05:30	07/12/23 12:42	1
M2-8:2 FTS	104		25 - 150	07/07/23 05:30	07/12/23 12:42	1
13C3 HFPO-DA	97		25 - 150	07/07/23 05:30	07/12/23 12:42	1

Client Sample ID: MP-08-(155-192)-202306

Lab Sample ID: 320-101519-44

Date Collected: 06/12/23 10:48

Matrix: Water

Date Received: 06/15/23 09:10

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		07/10/23 11:42	07/15/23 16:06	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorobutanesulfonic acid (PFBS)	**0.28**	**J**	2.3	0.23	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.62		2.3	0.62	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		07/10/23 11:42	07/15/23 16:06	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		07/10/23 11:42	07/15/23 16:06	1
NEtFOSA	<1.0		2.3	1.0	ng/L		07/10/23 11:42	07/15/23 16:06	1
NMeFOSA	<0.50		2.3	0.50	ng/L		07/10/23 11:42	07/15/23 16:06	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		07/10/23 11:42	07/15/23 16:06	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		07/10/23 11:42	07/15/23 16:06	1
NMeFOSE	<1.6		4.6	1.6	ng/L		07/10/23 11:42	07/15/23 16:06	1
NEtFOSE	<0.98		2.3	0.98	ng/L		07/10/23 11:42	07/15/23 16:06	1
4:2 FTS	<0.28		2.3	0.28	ng/L		07/10/23 11:42	07/15/23 16:06	1
6:2 FTS	<2.9		5.8	2.9	ng/L		07/10/23 11:42	07/15/23 16:06	1
8:2 FTS	<0.53		2.3	0.53	ng/L		07/10/23 11:42	07/15/23 16:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		07/10/23 11:42	07/15/23 16:06	1

Client Sample ID: MP-08-(155-192)-202306

Lab Sample ID: 320-101519-44

Date Collected: 06/12/23 10:48

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		07/10/23 11:42	07/15/23 16:06	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		07/10/23 11:42	07/15/23 16:06	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		07/10/23 11:42	07/15/23 16:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C5 PFPeA	*112*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C2 PFHxA	*111*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C4 PFHpA	*116*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C4 PFOA	*108*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C5 PFNA	*117*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C2 PFDA	*116*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C2 PFUnA	*115*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C2 PFDoA	*112*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C2 PFTeDA	*119*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C3 PFBS	*105*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
18O2 PFHxS	*115*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C4 PFOS	*119*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C8 FOSA	*125*		*10 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d3-NMeFOSAA	*113*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d5-NEtFOSAA	*118*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d-N-MeFOSA-M	*100*		*10 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d-N-EtFOSA-M	*94*		*10 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d7-N-MeFOSE-M	*95*		*10 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
d9-N-EtFOSE-M	*99*		*10 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
M2-4:2 FTS	*120*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
M2-6:2 FTS	*112*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
M2-8:2 FTS	*112*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*
13C3 HFPO-DA	*115*		*25 - 150*	*07/10/23 11:42*	*07/15/23 16:06*	*1*

Client Sample ID: MP-08-(115-152)-202306

Lab Sample ID: 320-101519-45

Date Collected: 06/12/23 11:08

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.1	2.4	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluoropentanoic acid (PFPeA)	**0.74**	**J**	2.0	0.50	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorooctanoic acid (PFOA)	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 20:58	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-08-(115-152)-202306
Date Collected: 06/12/23 11:08
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-45
Matrix: Water

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		07/05/23 11:30	07/06/23 20:58	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		07/05/23 11:30	07/06/23 20:58	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		07/05/23 11:30	07/06/23 20:58	1
NEtFOSA	<0.89		2.0	0.89	ng/L		07/05/23 11:30	07/06/23 20:58	1
NMeFOSA	<0.44		2.0	0.44	ng/L		07/05/23 11:30	07/06/23 20:58	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/05/23 11:30	07/06/23 20:58	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/05/23 11:30	07/06/23 20:58	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/05/23 11:30	07/06/23 20:58	1
NEtFOSE	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 20:58	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 20:58	1
6:2 FTS	<2.5		5.1	2.5	ng/L		07/05/23 11:30	07/06/23 20:58	1
8:2 FTS	<0.47		2.0	0.47	ng/L		07/05/23 11:30	07/06/23 20:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		07/05/23 11:30	07/06/23 20:58	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		07/05/23 11:30	07/06/23 20:58	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 20:58	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		07/05/23 11:30	07/06/23 20:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*125*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C5 PFPeA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C2 PFHxA	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C4 PFOA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C5 PFNA	*112*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C2 PFUnA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C2 PFTeDA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C3 PFBS	*107*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
18O2 PFHxS	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C4 PFOS	*109*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C8 FOSA	*107*		*10 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d3-NMeFOSAA	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d-N-MeFOSA-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d7-N-MeFOSE-M	*105*		*10 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
d9-N-EtFOSE-M	*102*		*10 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
M2-4:2 FTS	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
M2-8:2 FTS	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*
13C3 HFPO-DA	*107*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:58*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-08-(80-112)-202306
Date Collected: 06/12/23 11:18
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-46
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**71**		5.3	2.5	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluoropentanoic acid (PFPeA)	**290**		2.1	0.52	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorohexanoic acid (PFHxA)	**170**		2.1	0.62	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluoroheptanoic acid (PFHpA)	**29**		2.1	0.27	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorooctanoic acid (PFOA)	**2.3**		2.1	0.90	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorobutanesulfonic acid (PFBS)	**0.84**	**J I**	2.1	0.21	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 21:08	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 21:08	1
NEtFOSA	<0.92		2.1	0.92	ng/L		07/05/23 11:30	07/06/23 21:08	1
NMeFOSA	<0.46		2.1	0.46	ng/L		07/05/23 11:30	07/06/23 21:08	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		07/05/23 11:30	07/06/23 21:08	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		07/05/23 11:30	07/06/23 21:08	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/05/23 11:30	07/06/23 21:08	1
NEtFOSE	<0.90		2.1	0.90	ng/L		07/05/23 11:30	07/06/23 21:08	1
4:2 FTS	**8.4**		2.1	0.25	ng/L		07/05/23 11:30	07/06/23 21:08	1
6:2 FTS	**45**		5.3	2.7	ng/L		07/05/23 11:30	07/06/23 21:08	1
8:2 FTS	<0.49		2.1	0.49	ng/L		07/05/23 11:30	07/06/23 21:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		07/05/23 11:30	07/06/23 21:08	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/05/23 11:30	07/06/23 21:08	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/05/23 11:30	07/06/23 21:08	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 21:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C5 PFPeA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C2 PFHxA	*83*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C5 PFNA	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C2 PFUnA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C2 PFDoA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*
13C3 PFBS	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:08*	*1*

Client Sample ID: MP-08-(80-112)-202306

Lab Sample ID: 320-101519-46

Date Collected: 06/12/23 11:18

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		25 - 150	07/05/23 11:30	07/06/23 21:08	1
13C4 PFOS	102		25 - 150	07/05/23 11:30	07/06/23 21:08	1
13C8 FOSA	96		10 - 150	07/05/23 11:30	07/06/23 21:08	1
d3-NMeFOSAA	94		25 - 150	07/05/23 11:30	07/06/23 21:08	1
d5-NEtFOSAA	94		25 - 150	07/05/23 11:30	07/06/23 21:08	1
d-N-MeFOSA-M	85		10 - 150	07/05/23 11:30	07/06/23 21:08	1
d-N-EtFOSA-M	78		10 - 150	07/05/23 11:30	07/06/23 21:08	1
d7-N-MeFOSE-M	88		10 - 150	07/05/23 11:30	07/06/23 21:08	1
d9-N-EtFOSE-M	96		10 - 150	07/05/23 11:30	07/06/23 21:08	1
M2-4:2 FTS	103		25 - 150	07/05/23 11:30	07/06/23 21:08	1
M2-6:2 FTS	81		25 - 150	07/05/23 11:30	07/06/23 21:08	1
M2-8:2 FTS	99		25 - 150	07/05/23 11:30	07/06/23 21:08	1
13C3 HFPO-DA	98		25 - 150	07/05/23 11:30	07/06/23 21:08	1

Client Sample ID: MP-08-(48-77)-202306

Lab Sample ID: 320-101519-47

Date Collected: 06/12/23 11:28

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.0**	**J**	5.0	2.4	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorobutanesulfonic acid (PFBS)	**13**		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/05/23 11:30	07/06/23 21:19	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 21:19	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 21:19	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 21:19	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 21:19	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:19	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/05/23 11:30	07/06/23 21:19	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 21:19	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:19	1

Client Sample ID: MP-08-(48-77)-202306

Lab Sample ID: 320-101519-47

Date Collected: 06/12/23 11:28

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.5		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 21:19	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 21:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 21:19	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 21:19	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:19	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*111*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C5 PFPeA	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C2 PFHxA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C4 PFHpA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C4 PFOA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C5 PFNA	*109*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C2 PFUnA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C2 PFDoA	*86*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C3 PFBS	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
18O2 PFHxS	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C4 PFOS	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C8 FOSA	*104*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d-N-MeFOSA-M	*83*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
d9-N-EtFOSE-M	*100*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
M2-4:2 FTS	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*
13C3 HFPO-DA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:19*	*1*

Client Sample ID: DUP-01-202306

Lab Sample ID: 320-101519-48

Date Collected: 06/14/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.4**	**J**	5.0	2.4	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluoropentanoic acid (PFPeA)	**14**		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorohexanoic acid (PFHxA)	**11**		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluoroheptanoic acid (PFHpA)	**4.2**		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorooctanoic acid (PFOA)	**8.4**		2.0	0.84	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 21:29	1

Client Sample ID: DUP-01-202306
Date Collected: 06/14/23 00:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-48
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		07/05/23 11:30	07/06/23 21:29	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		07/05/23 11:30	07/06/23 21:29	1
NEtFOSA	<0.86		2.0	0.86	ng/L		07/05/23 11:30	07/06/23 21:29	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 21:29	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 21:29	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:29	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/05/23 11:30	07/06/23 21:29	1
NEtFOSE	<0.84		2.0	0.84	ng/L		07/05/23 11:30	07/06/23 21:29	1
4:2 FTS	**0.69**	**J**	2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:29	1
6:2 FTS	**120**		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 21:29	1
8:2 FTS	**7.8**		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 21:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 21:29	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 21:29	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:29	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C2 PFHxA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C4 PFHpA	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C4 PFOA	*82*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C5 PFNA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C2 PFDA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C2 PFUnA	*78*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C2 PFDoA	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C3 PFBS	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
18O2 PFHxS	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C4 PFOS	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
13C8 FOSA	*89*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d-N-MeFOSA-M	*60*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d7-N-MeFOSE-M	*62*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
d9-N-EtFOSE-M	*83*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
M2-4:2 FTS	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:29*	*1*

Client Sample ID: DUP-01-202306

Lab Sample ID: 320-101519-48

Date Collected: 06/14/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	90		25 - 150	07/05/23 11:30	07/06/23 21:29	1

Client Sample ID: DUP-02-202306

Lab Sample ID: 320-101519-49

Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**71**		5.4	2.6	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluoropentanoic acid (PFPeA)	**300**		2.1	0.52	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorohexanoic acid (PFHxA)	**210**		2.1	0.62	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluoroheptanoic acid (PFHpA)	**100**		2.1	0.27	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorooctanoic acid (PFOA)	**97**		2.1	0.91	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorononanoic acid (PFNA)	**10**		2.1	0.29	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorodecanoic acid (PFDA)	**2.2**		2.1	0.33	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorobutanesulfonic acid (PFBS)	**0.60**	**J**	2.1	0.21	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorooctanesulfonic acid (PFOS)	**1.5**	**J**	2.1	0.58	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 21:39	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 21:39	1
NEtFOSA	<0.93		2.1	0.93	ng/L		07/05/23 11:30	07/06/23 21:39	1
NMeFOSA	<0.46		2.1	0.46	ng/L		07/05/23 11:30	07/06/23 21:39	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		07/05/23 11:30	07/06/23 21:39	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		07/05/23 11:30	07/06/23 21:39	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/05/23 11:30	07/06/23 21:39	1
NEtFOSE	<0.91		2.1	0.91	ng/L		07/05/23 11:30	07/06/23 21:39	1
4:2 FTS	**3.5**		2.1	0.26	ng/L		07/05/23 11:30	07/06/23 21:39	1
8:2 FTS	**190**		2.1	0.49	ng/L		07/05/23 11:30	07/06/23 21:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		07/05/23 11:30	07/06/23 21:39	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/05/23 11:30	07/06/23 21:39	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		07/05/23 11:30	07/06/23 21:39	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 21:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	07/05/23 11:30	07/06/23 21:39	1
13C5 PFPeA	86		25 - 150	07/05/23 11:30	07/06/23 21:39	1
13C2 PFHxA	81		25 - 150	07/05/23 11:30	07/06/23 21:39	1
13C4 PFHpA	80		25 - 150	07/05/23 11:30	07/06/23 21:39	1

Client Sample ID: DUP-02-202306

Lab Sample ID: 320-101519-49

Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOA	*83*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C5 PFNA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C2 PFDA	*82*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C2 PFUnA	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C2 PFDoA	*72*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C3 PFBS	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
18O2 PFHxS	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C4 PFOS	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C8 FOSA	*86*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d-N-MeFOSA-M	*74*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d-N-EtFOSA-M	*70*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d7-N-MeFOSE-M	*73*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
M2-4:2 FTS	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*
13C3 HFPO-DA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**930**		27	13	ng/L		07/05/23 11:30	07/10/23 22:55	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*90*		*25 - 150*	*07/05/23 11:30*	*07/10/23 22:55*	*5*

Client Sample ID: DUP-03-202306

Lab Sample ID: 320-101519-50

Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**22**		5.0	2.4	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluoropentanoic acid (PFPeA)	**110**		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorohexanoic acid (PFHxA)	**70**		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluoroheptanoic acid (PFHpA)	**23**		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorooctanoic acid (PFOA)	**21**		2.0	0.86	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorononanoic acid (PFNA)	**1.7**	**J**	2.0	0.27	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorodecanoic acid (PFDA)	**0.31**	**J**	2.0	0.31	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 21:49	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: DUP-03-202306

Date Collected: 06/13/23 00:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-50

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 21:49	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		07/05/23 11:30	07/06/23 21:49	1
NEtFOSA	<0.88		2.0	0.88	ng/L		07/05/23 11:30	07/06/23 21:49	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 21:49	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 21:49	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 21:49	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/05/23 11:30	07/06/23 21:49	1
NEtFOSE	<0.86		2.0	0.86	ng/L		07/05/23 11:30	07/06/23 21:49	1
4:2 FTS	**0.89**	**J**	2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:49	1
6:2 FTS	**140**		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 21:49	1
8:2 FTS	**8.4**		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 21:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 21:49	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 21:49	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 21:49	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 21:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*121*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C5 PFPeA	*116*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C2 PFHxA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C4 PFHpA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C4 PFOA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C5 PFNA	*115*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C2 PFUnA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C2 PFDoA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C3 PFBS	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
18O2 PFHxS	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C4 PFOS	*113*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C8 FOSA	*112*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d5-NEtFOSAA	*109*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d-N-MeFOSA-M	*92*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d-N-EtFOSA-M	*93*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
d9-N-EtFOSE-M	*107*		*10 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
M2-4:2 FTS	*104*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*
13C3 HFPO-DA	*110*		*25 - 150*	*07/05/23 11:30*	*07/06/23 21:49*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: DUP-04-202306
Date Collected: 06/12/23 00:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-51
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**200**		5.1	2.4	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluoroheptanoic acid (PFHpA)	**190**		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorooctanoic acid (PFOA)	**280**		2.0	0.86	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorononanoic acid (PFNA)	**16**		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorodecanoic acid (PFDA)	**1.8**	**J**	2.0	0.31	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorobutanesulfonic acid (PFBS)	**0.75**	**J**	2.0	0.20	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluoropentanesulfonic acid (PFPeS)	**0.54**	**J**	2.0	0.30	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorohexanesulfonic acid (PFHxS)	**4.0**		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorooctanesulfonic acid (PFOS)	**2.6**		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 22:00	1
Perfluorooctanesulfonamide (FOSA)	**2.1**		2.0	0.99	ng/L		07/05/23 11:30	07/06/23 22:00	1
NEtFOSA	<0.88		2.0	0.88	ng/L		07/05/23 11:30	07/06/23 22:00	1
NMeFOSA	<0.44		2.0	0.44	ng/L		07/05/23 11:30	07/06/23 22:00	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/05/23 11:30	07/06/23 22:00	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/05/23 11:30	07/06/23 22:00	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/05/23 11:30	07/06/23 22:00	1
NEtFOSE	<0.86		2.0	0.86	ng/L		07/05/23 11:30	07/06/23 22:00	1
4:2 FTS	**41**		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 22:00	1
8:2 FTS	**250**		2.0	0.47	ng/L		07/05/23 11:30	07/06/23 22:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		07/05/23 11:30	07/06/23 22:00	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		07/05/23 11:30	07/06/23 22:00	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 22:00	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 22:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C4 PFHpA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C5 PFNA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C2 PFDA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C2 PFUnA	*75*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C2 PFDoA	*78*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C3 PFBS	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
18O2 PFHxS	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C4 PFOS	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C8 FOSA	*88*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*

Client Sample ID: DUP-04-202306

Lab Sample ID: 320-101519-51

Date Collected: 06/12/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d3-NMeFOSAA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
d5-NEtFOSAA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
d-N-EtFOSA-M	*67*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
d7-N-MeFOSE-M	*84*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
d9-N-EtFOSE-M	*86*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
M2-4:2 FTS	*79*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
M2-8:2 FTS	*78*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*
13C3 HFPO-DA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**840**		41	9.9	ng/L		07/05/23 11:30	07/10/23 23:05	20
Perfluorohexanoic acid (PFHxA)	**630**		41	12	ng/L		07/05/23 11:30	07/10/23 23:05	20
6:2 FTS	**3600**		100	51	ng/L		07/05/23 11:30	07/10/23 23:05	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*98*		*25 - 150*	*07/05/23 11:30*	*07/10/23 23:05*	*20*
13C2 PFHxA	*95*		*25 - 150*	*07/05/23 11:30*	*07/10/23 23:05*	*20*
M2-6:2 FTS	*126*		*25 - 150*	*07/05/23 11:30*	*07/10/23 23:05*	*20*

Client Sample ID: DUP-05-202306

Lab Sample ID: 320-101519-52

Date Collected: 06/12/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**22**		5.0	2.4	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluoropentanoic acid (PFPeA)	**52**		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorohexanoic acid (PFHxA)	**37**		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluoroheptanoic acid (PFHpA)	**14**		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorooctanoic acid (PFOA)	**7.9**		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorononanoic acid (PFNA)	**1.3**	**J**	2.0	0.27	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorobutanesulfonic acid (PFBS)	**0.82**	**J**	2.0	0.20	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/05/23 11:30	07/06/23 22:30	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 22:30	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 22:30	1

Client Sample ID: DUP-05-202306

Lab Sample ID: 320-101519-52

Date Collected: 06/12/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 22:30	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 22:30	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 22:30	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/05/23 11:30	07/06/23 22:30	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 22:30	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 22:30	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 22:30	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 22:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 22:30	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 22:30	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 22:30	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 22:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C5 PFPeA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C2 PFHxA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C4 PFHpA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C4 PFOA	*82*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C2 PFDA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C2 PFUnA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C2 PFDoA	*79*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C2 PFTeDA	*70*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C3 PFBS	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
18O2 PFHxS	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C4 PFOS	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C8 FOSA	*91*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d-N-EtFOSA-M	*70*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
d9-N-EtFOSE-M	*84*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
M2-4:2 FTS	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
M2-6:2 FTS	*75*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
M2-8:2 FTS	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:30*	*1*

Client Sample ID: DUP-06-202306

Lab Sample ID: 320-101519-53

Date Collected: 06/13/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**25**		4.8	2.3	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluoropentanoic acid (PFPeA)	**99**		1.9	0.47	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorohexanoic acid (PFHxA)	**80**		1.9	0.55	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluoroheptanoic acid (PFHpA)	**71**		1.9	0.24	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorooctanoic acid (PFOA)	**92**		1.9	0.81	ng/L		07/05/23 11:30	07/06/23 22:41	1

Client Sample ID: DUP-06-202306

Date Collected: 06/13/23 00:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-53

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	**12**		1.9	0.26	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorodecanoic acid (PFDA)	**0.60**	**J**	1.9	0.30	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorobutanesulfonic acid (PFBS)	**0.29**	**J**	1.9	0.19	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/06/23 22:41	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/06/23 22:41	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/06/23 22:41	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/05/23 11:30	07/06/23 22:41	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		07/05/23 11:30	07/06/23 22:41	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		07/05/23 11:30	07/06/23 22:41	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/05/23 11:30	07/06/23 22:41	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/06/23 22:41	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 22:41	1
6:2 FTS	**4.7**	**J**	4.8	2.4	ng/L		07/05/23 11:30	07/06/23 22:41	1
8:2 FTS	**1.2**	**J**	1.9	0.44	ng/L		07/05/23 11:30	07/06/23 22:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/05/23 11:30	07/06/23 22:41	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/05/23 11:30	07/06/23 22:41	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 22:41	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/06/23 22:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C5 PFPeA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C2 PFHxA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C4 PFHpA	*86*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C4 PFOA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C2 PFDA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C2 PFUnA	*86*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C2 PFDoA	*75*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C2 PFTeDA	*68*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
18O2 PFHxS	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C4 PFOS	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
13C8 FOSA	*93*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
d3-NMeFOSAA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:41*	*1*

Client Sample ID: DUP-06-202306

Lab Sample ID: 320-101519-53

Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	78		10 - 150	07/05/23 11:30	07/06/23 22:41	1
d-N-EtFOSA-M	71		10 - 150	07/05/23 11:30	07/06/23 22:41	1
d7-N-MeFOSE-M	81		10 - 150	07/05/23 11:30	07/06/23 22:41	1
d9-N-EtFOSE-M	84		10 - 150	07/05/23 11:30	07/06/23 22:41	1
M2-4:2 FTS	82		25 - 150	07/05/23 11:30	07/06/23 22:41	1
M2-6:2 FTS	78		25 - 150	07/05/23 11:30	07/06/23 22:41	1
M2-8:2 FTS	98		25 - 150	07/05/23 11:30	07/06/23 22:41	1
13C3 HFPO-DA	93		25 - 150	07/05/23 11:30	07/06/23 22:41	1

Client Sample ID: DUP-07-202306

Lab Sample ID: 320-101519-54

Date Collected: 06/12/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.2**	**J**	5.3	2.6	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluoropentanoic acid (PFPeA)	**13**		2.1	0.52	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorohexanoic acid (PFHxA)	**10**		2.1	0.62	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluoroheptanoic acid (PFHpA)	**3.3**		2.1	0.27	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorooctanoic acid (PFOA)	**3.2**		2.1	0.91	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 22:51	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/06/23 22:51	1
NEtFOSA	<0.93		2.1	0.93	ng/L		07/05/23 11:30	07/06/23 22:51	1
NMeFOSA	<0.46		2.1	0.46	ng/L		07/05/23 11:30	07/06/23 22:51	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		07/05/23 11:30	07/06/23 22:51	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		07/05/23 11:30	07/06/23 22:51	1
NMeFOSE	<1.5		4.3	1.5	ng/L		07/05/23 11:30	07/06/23 22:51	1
NEtFOSE	<0.91		2.1	0.91	ng/L		07/05/23 11:30	07/06/23 22:51	1
4:2 FTS	<0.26		2.1	0.26	ng/L		07/05/23 11:30	07/06/23 22:51	1
6:2 FTS	**49**		5.3	2.7	ng/L		07/05/23 11:30	07/06/23 22:51	1
8:2 FTS	**1.5**	**J**	2.1	0.49	ng/L		07/05/23 11:30	07/06/23 22:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		07/05/23 11:30	07/06/23 22:51	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		07/05/23 11:30	07/06/23 22:51	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		07/05/23 11:30	07/06/23 22:51	1

Client Sample ID: DUP-07-202306

Lab Sample ID: 320-101519-54

Date Collected: 06/12/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/06/23 22:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*110*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C5 PFPeA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C2 PFHxA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C5 PFNA	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C2 PFDA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C2 PFUnA	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C3 PFBS	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
18O2 PFHxS	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C4 PFOS	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C8 FOSA	*99*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d3-NMeFOSAA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d5-NEtFOSAA	*107*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d7-N-MeFOSE-M	*92*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
d9-N-EtFOSE-M	*97*		*10 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
M2-4:2 FTS	*85*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*
13C3 HFPO-DA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 22:51*	*1*

Client Sample ID: DUP-08-202306

Lab Sample ID: 320-101519-55

Date Collected: 06/12/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/06/23 23:01	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorodecanoic acid (PFDA)	**0.37**	**J**	2.0	0.31	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 23:01	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: DUP-08-202306
Date Collected: 06/12/23 00:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-55
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/05/23 11:30	07/06/23 23:01	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 23:01	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 23:01	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 23:01	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 23:01	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 23:01	1
NMeFOSE	**2.0**	**J**	4.0	1.4	ng/L		07/05/23 11:30	07/06/23 23:01	1
NEtFOSE	**2.4**		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 23:01	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 23:01	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 23:01	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 23:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 23:01	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 23:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 23:01	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 23:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*116*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C5 PFPeA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C2 PFHxA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C5 PFNA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C2 PFDA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C2 PFUnA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C2 PFDoA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C2 PFTeDA	*78*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C3 PFBS	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
18O2 PFHxS	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C4 PFOS	*104*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C8 FOSA	*99*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d3-NMeFOSAA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d-N-EtFOSA-M	*82*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d7-N-MeFOSE-M	*89*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
d9-N-EtFOSE-M	*98*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
M2-4:2 FTS	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
M2-6:2 FTS	*79*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
M2-8:2 FTS	*92*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:01*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: FB-01-202306
Date Collected: 06/14/23 11:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-56
Matrix: Water

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		07/05/23 11:30	07/06/23 23:11	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/05/23 11:30	07/06/23 23:11	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/05/23 11:30	07/06/23 23:11	1
NEtFOSA	<0.80		1.8	0.80	ng/L		07/05/23 11:30	07/06/23 23:11	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/05/23 11:30	07/06/23 23:11	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		07/05/23 11:30	07/06/23 23:11	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		07/05/23 11:30	07/06/23 23:11	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/05/23 11:30	07/06/23 23:11	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/05/23 11:30	07/06/23 23:11	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/05/23 11:30	07/06/23 23:11	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/05/23 11:30	07/06/23 23:11	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/05/23 11:30	07/06/23 23:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		07/05/23 11:30	07/06/23 23:11	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/05/23 11:30	07/06/23 23:11	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		07/05/23 11:30	07/06/23 23:11	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		07/05/23 11:30	07/06/23 23:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C5 PFPeA	*104*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C2 PFHxA	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C4 PFHpA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C4 PFOA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C5 PFNA	*112*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C2 PFDA	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C2 PFDoA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
13C3 PFBS	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*
18O2 PFHxS	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:11*	*1*

Client Sample ID: FB-01-202306

Lab Sample ID: 320-101519-56

Date Collected: 06/14/23 11:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	107		25 - 150	07/05/23 11:30	07/06/23 23:11	1
13C8 FOSA	99		10 - 150	07/05/23 11:30	07/06/23 23:11	1
d3-NMeFOSAA	104		25 - 150	07/05/23 11:30	07/06/23 23:11	1
d5-NEtFOSAA	116		25 - 150	07/05/23 11:30	07/06/23 23:11	1
d-N-MeFOSA-M	94		10 - 150	07/05/23 11:30	07/06/23 23:11	1
d-N-EtFOSA-M	99		10 - 150	07/05/23 11:30	07/06/23 23:11	1
d7-N-MeFOSE-M	98		10 - 150	07/05/23 11:30	07/06/23 23:11	1
d9-N-EtFOSE-M	99		10 - 150	07/05/23 11:30	07/06/23 23:11	1
M2-4:2 FTS	91		25 - 150	07/05/23 11:30	07/06/23 23:11	1
M2-6:2 FTS	87		25 - 150	07/05/23 11:30	07/06/23 23:11	1
M2-8:2 FTS	93		25 - 150	07/05/23 11:30	07/06/23 23:11	1
13C3 HFPO-DA	101		25 - 150	07/05/23 11:30	07/06/23 23:11	1

Client Sample ID: EB-01-202306

Lab Sample ID: 320-101519-57

Date Collected: 06/14/23 09:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/06/23 23:22	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/05/23 11:30	07/06/23 23:22	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/06/23 23:22	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/06/23 23:22	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/05/23 11:30	07/06/23 23:22	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/05/23 11:30	07/06/23 23:22	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/05/23 11:30	07/06/23 23:22	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/05/23 11:30	07/06/23 23:22	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/06/23 23:22	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 23:22	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/05/23 11:30	07/06/23 23:22	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/05/23 11:30	07/06/23 23:22	1

Client Sample ID: EB-01-202306

Lab Sample ID: 320-101519-57

Date Collected: 06/14/23 09:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/05/23 11:30	07/06/23 23:22	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/05/23 11:30	07/06/23 23:22	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 23:22	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/06/23 23:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C5 PFPeA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C2 PFHxA	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C4 PFHpA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C4 PFOA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C5 PFNA	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C2 PFDA	*104*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C2 PFUnA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C2 PFDoA	*92*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C3 PFBS	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
18O2 PFHxS	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C4 PFOS	*107*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C8 FOSA	*97*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d5-NEtFOSAA	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d-N-MeFOSA-M	*88*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d-N-EtFOSA-M	*93*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
d9-N-EtFOSE-M	*97*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
M2-4:2 FTS	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
M2-6:2 FTS	*81*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
M2-8:2 FTS	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:22*	*1*

Client Sample ID: EB-02-202306

Lab Sample ID: 320-101519-58

Date Collected: 06/13/23 14:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/06/23 23:32	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/05/23 11:30	07/06/23 23:32	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-02-202306
Date Collected: 06/13/23 14:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-58
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		1.9	0.53	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		07/05/23 11:30	07/06/23 23:32	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		07/05/23 11:30	07/06/23 23:32	1
NEtFOSA	<0.85		1.9	0.85	ng/L		07/05/23 11:30	07/06/23 23:32	1
NMeFOSA	<0.42		1.9	0.42	ng/L		07/05/23 11:30	07/06/23 23:32	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/05/23 11:30	07/06/23 23:32	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/05/23 11:30	07/06/23 23:32	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/05/23 11:30	07/06/23 23:32	1
NEtFOSE	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/06/23 23:32	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 23:32	1
6:2 FTS	<2.4		4.9	2.4	ng/L		07/05/23 11:30	07/06/23 23:32	1
8:2 FTS	<0.45		1.9	0.45	ng/L		07/05/23 11:30	07/06/23 23:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		07/05/23 11:30	07/06/23 23:32	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/05/23 11:30	07/06/23 23:32	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/06/23 23:32	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/06/23 23:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C5 PFPeA	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C4 PFHpA	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C5 PFNA	*112*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C2 PFDA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C2 PFUnA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C3 PFBS	*95*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
18O2 PFHxS	*104*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C4 PFOS	*112*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C8 FOSA	*103*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d3-NMeFOSAA	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d5-NEtFOSAA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d-N-MeFOSA-M	*98*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d-N-EtFOSA-M	*96*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d7-N-MeFOSE-M	*98*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
d9-N-EtFOSE-M	*99*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
M2-4:2 FTS	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
M2-6:2 FTS	*84*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*
13C3 HFPO-DA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:32*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-03-202306
Date Collected: 06/13/23 10:58
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-59
Matrix: Water

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		07/05/23 11:30	07/06/23 23:42	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/05/23 11:30	07/06/23 23:42	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/05/23 11:30	07/06/23 23:42	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 23:42	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/05/23 11:30	07/06/23 23:42	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/05/23 11:30	07/06/23 23:42	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/05/23 11:30	07/06/23 23:42	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/05/23 11:30	07/06/23 23:42	1
NEtFOSE	<0.83		2.0	0.83	ng/L		07/05/23 11:30	07/06/23 23:42	1
4:2 FTS	<0.23		2.0	0.23	ng/L		07/05/23 11:30	07/06/23 23:42	1
6:2 FTS	<2.4		4.9	2.4	ng/L		07/05/23 11:30	07/06/23 23:42	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/05/23 11:30	07/06/23 23:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/05/23 11:30	07/06/23 23:42	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/05/23 11:30	07/06/23 23:42	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		07/05/23 11:30	07/06/23 23:42	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 23:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C5 PFPeA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C4 PFOA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C5 PFNA	*111*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C2 PFDA	*110*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C2 PFUnA	*96*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C2 PFDoA	*90*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C2 PFTeDA	*82*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
13C3 PFBS	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*
18O2 PFHxS	*100*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:42*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-03-202306

Lab Sample ID: 320-101519-59

Date Collected: 06/13/23 10:58

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	117		25 - 150	07/05/23 11:30	07/06/23 23:42	1
13C8 FOSA	104		10 - 150	07/05/23 11:30	07/06/23 23:42	1
d3-NMeFOSAA	100		25 - 150	07/05/23 11:30	07/06/23 23:42	1
d5-NEtFOSAA	111		25 - 150	07/05/23 11:30	07/06/23 23:42	1
d-N-MeFOSA-M	93		10 - 150	07/05/23 11:30	07/06/23 23:42	1
d-N-EtFOSA-M	95		10 - 150	07/05/23 11:30	07/06/23 23:42	1
d7-N-MeFOSE-M	97		10 - 150	07/05/23 11:30	07/06/23 23:42	1
d9-N-EtFOSE-M	92		10 - 150	07/05/23 11:30	07/06/23 23:42	1
M2-4:2 FTS	91		25 - 150	07/05/23 11:30	07/06/23 23:42	1
M2-6:2 FTS	82		25 - 150	07/05/23 11:30	07/06/23 23:42	1
M2-8:2 FTS	103		25 - 150	07/05/23 11:30	07/06/23 23:42	1
13C3 HFPO-DA	105		25 - 150	07/05/23 11:30	07/06/23 23:42	1

Client Sample ID: EB-04-202306

Lab Sample ID: 320-101519-60

Date Collected: 06/12/23 15:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/06/23 23:52	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		07/05/23 11:30	07/06/23 23:52	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		07/05/23 11:30	07/06/23 23:52	1
NEtFOSA	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 23:52	1
NMeFOSA	<0.42		2.0	0.42	ng/L		07/05/23 11:30	07/06/23 23:52	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		07/05/23 11:30	07/06/23 23:52	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		07/05/23 11:30	07/06/23 23:52	1
NMeFOSE	<1.4		3.9	1.4	ng/L		07/05/23 11:30	07/06/23 23:52	1
NEtFOSE	<0.83		2.0	0.83	ng/L		07/05/23 11:30	07/06/23 23:52	1
4:2 FTS	<0.23		2.0	0.23	ng/L		07/05/23 11:30	07/06/23 23:52	1
6:2 FTS	<2.4		4.9	2.4	ng/L		07/05/23 11:30	07/06/23 23:52	1
8:2 FTS	<0.45		2.0	0.45	ng/L		07/05/23 11:30	07/06/23 23:52	1

Client Sample ID: EB-04-202306

Lab Sample ID: 320-101519-60

Date Collected: 06/12/23 15:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		07/05/23 11:30	07/06/23 23:52	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		07/05/23 11:30	07/06/23 23:52	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		07/05/23 11:30	07/06/23 23:52	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 23:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*110*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C5 PFPeA	*102*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C2 PFHxA	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C4 PFHpA	*88*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C4 PFOA	*89*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C5 PFNA	*113*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C2 PFDA	*103*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C2 PFDoA	*91*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C2 PFTeDA	*73*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C3 PFBS	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
18O2 PFHxS	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C4 PFOS	*112*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C8 FOSA	*99*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d3-NMeFOSAA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d5-NEtFOSAA	*106*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d7-N-MeFOSE-M	*96*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
d9-N-EtFOSE-M	*101*		*10 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
M2-4:2 FTS	*97*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
M2-6:2 FTS	*80*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*
13C3 HFPO-DA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 23:52*	*1*

Client Sample ID: EB-05-202306

Lab Sample ID: 320-101519-61

Date Collected: 06/12/23 14:05

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/07/23 00:03	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/05/23 11:30	07/07/23 00:03	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-05-202306
Date Collected: 06/12/23 14:05
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-61
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/07/23 00:03	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		07/05/23 11:30	07/07/23 00:03	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/07/23 00:03	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/05/23 11:30	07/07/23 00:03	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		07/05/23 11:30	07/07/23 00:03	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		07/05/23 11:30	07/07/23 00:03	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/05/23 11:30	07/07/23 00:03	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/07/23 00:03	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:03	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/05/23 11:30	07/07/23 00:03	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/05/23 11:30	07/07/23 00:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/05/23 11:30	07/07/23 00:03	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/05/23 11:30	07/07/23 00:03	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:03	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/07/23 00:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C5 PFPeA	*105*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C2 PFHxA	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C4 PFHpA	*90*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C4 PFOA	*88*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C5 PFNA	*111*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C2 PFUnA	*98*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C3 PFBS	*97*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
18O2 PFHxS	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C4 PFOS	*110*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C8 FOSA	*99*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d3-NMeFOSAA	*104*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d-N-MeFOSA-M	*100*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d-N-EtFOSA-M	*100*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
d9-N-EtFOSE-M	*96*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
M2-4:2 FTS	*84*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
M2-6:2 FTS	*83*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
M2-8:2 FTS	*106*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*
13C3 HFPO-DA	*99*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:03*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-06-202306

Date Collected: 06/13/23 09:20
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-62

Matrix: Water

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		07/05/23 11:30	07/07/23 00:33	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/05/23 11:30	07/07/23 00:33	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/07/23 00:33	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/05/23 11:30	07/07/23 00:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/05/23 11:30	07/07/23 00:33	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/05/23 11:30	07/07/23 00:33	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/05/23 11:30	07/07/23 00:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/05/23 11:30	07/07/23 00:33	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/05/23 11:30	07/07/23 00:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/05/23 11:30	07/07/23 00:33	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/05/23 11:30	07/07/23 00:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/05/23 11:30	07/07/23 00:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/05/23 11:30	07/07/23 00:33	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:33	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/07/23 00:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*108*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C5 PFPeA	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C2 PFHxA	*98*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C4 PFOA	*91*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C5 PFNA	*115*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C2 PFUnA	*99*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C3 PFBS	*103*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
18O2 PFHxS	*107*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-06-202306

Lab Sample ID: 320-101519-62

Date Collected: 06/13/23 09:20

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*116*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C8 FOSA	*105*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d3-NMeFOSAA	*105*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d5-NEtFOSAA	*123*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d-N-MeFOSA-M	*87*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d7-N-MeFOSE-M	*95*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
d9-N-EtFOSE-M	*99*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
M2-4:2 FTS	*100*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
M2-8:2 FTS	*110*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*
13C3 HFPO-DA	*106*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:33*	*1*

Client Sample ID: EB-07-202306

Lab Sample ID: 320-101519-63

Date Collected: 06/12/23 13:00

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluoropentanoic acid (PFPeA)	<0.51		2.1	0.51	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorooctanoic acid (PFOA)	<0.89		2.1	0.89	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/07/23 00:44	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		07/05/23 11:30	07/07/23 00:44	1
NEtFOSA	<0.91		2.1	0.91	ng/L		07/05/23 11:30	07/07/23 00:44	1
NMeFOSA	<0.45		2.1	0.45	ng/L		07/05/23 11:30	07/07/23 00:44	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		07/05/23 11:30	07/07/23 00:44	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		07/05/23 11:30	07/07/23 00:44	1
NMeFOSE	<1.5		4.2	1.5	ng/L		07/05/23 11:30	07/07/23 00:44	1
NEtFOSE	<0.89		2.1	0.89	ng/L		07/05/23 11:30	07/07/23 00:44	1
4:2 FTS	<0.25		2.1	0.25	ng/L		07/05/23 11:30	07/07/23 00:44	1
6:2 FTS	<2.6		5.2	2.6	ng/L		07/05/23 11:30	07/07/23 00:44	1
8:2 FTS	<0.48		2.1	0.48	ng/L		07/05/23 11:30	07/07/23 00:44	1

Client Sample ID: EB-07-202306

Lab Sample ID: 320-101519-63

Date Collected: 06/12/23 13:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/07/23 00:44	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		07/05/23 11:30	07/07/23 00:44	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		07/05/23 11:30	07/07/23 00:44	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		07/05/23 11:30	07/07/23 00:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C5 PFPeA	*85*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C2 PFHxA	*83*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C4 PFHpA	*80*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C4 PFOA	*76*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C2 PFDA	*95*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C2 PFUnA	*81*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C2 PFDoA	*83*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C2 PFTeDA	*71*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C3 PFBS	*91*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
18O2 PFHxS	*92*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C4 PFOS	*98*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C8 FOSA	*89*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d-N-MeFOSA-M	*84*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
M2-4:2 FTS	*92*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
M2-6:2 FTS	*73*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
M2-8:2 FTS	*91*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:44*	*1*

Client Sample ID: EB-08-202306

Lab Sample ID: 320-101519-64

Date Collected: 06/12/23 11:00

Matrix: Water

Date Received: 06/15/23 09:10

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		07/05/23 11:30	07/07/23 00:54	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		07/05/23 11:30	07/07/23 00:54	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-08-202306
Date Collected: 06/12/23 11:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-64
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/05/23 11:30	07/07/23 00:54	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		07/05/23 11:30	07/07/23 00:54	1
NEtFOSA	<0.84		1.9	0.84	ng/L		07/05/23 11:30	07/07/23 00:54	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/05/23 11:30	07/07/23 00:54	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		07/05/23 11:30	07/07/23 00:54	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		07/05/23 11:30	07/07/23 00:54	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/05/23 11:30	07/07/23 00:54	1
NEtFOSE	<0.82		1.9	0.82	ng/L		07/05/23 11:30	07/07/23 00:54	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:54	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/05/23 11:30	07/07/23 00:54	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/05/23 11:30	07/07/23 00:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/05/23 11:30	07/07/23 00:54	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/05/23 11:30	07/07/23 00:54	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/05/23 11:30	07/07/23 00:54	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		07/05/23 11:30	07/07/23 00:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C5 PFPeA	*92*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C2 PFHxA	*94*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C4 PFHpA	*86*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C4 PFOA	*84*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C5 PFNA	*105*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C2 PFDA	*99*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C2 PFUnA	*92*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C2 PFDoA	*85*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
18O2 PFHxS	*97*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C4 PFOS	*103*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C8 FOSA	*97*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d-N-EtFOSA-M	*88*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
M2-4:2 FTS	*85*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
M2-6:2 FTS	*78*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
M2-8:2 FTS	*94*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*
13C3 HFPO-DA	*95*		*25 - 150*	*07/05/23 11:30*	*07/07/23 00:54*	*1*

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-101519-1	MP-01-(277-293)-202306	120	120	120	125	114	125	117	118
320-101519-2	MP-01-(253-274)-202306	119	119	117	116	109	113	108	113
320-101519-3	MP-01-(223-250)-202306	117	105	116	116	110	110	109	102
320-101519-4	MP-01-(198-220)-202306	113	120	119	125	109	116	115	116
320-101519-5	MP-01-(155-195)-202306	122					126	119	118
320-101519-5 - DL	MP-01-(155-195)-202306		140	138	131	127			
320-101519-6	MP-01-(121-152)-202306	108					108	103	105
320-101519-6 - DL	MP-01-(121-152)-202306		115	129	124	118			
320-101519-7	MP-01-(091-118)-202306	103					106	100	100
320-101519-7 - DL	MP-01-(091-118)-202306		123	119	123	111			
320-101519-7 - DL2	MP-01-(091-118)-202306								
320-101519-8	MP-01-(051-088)-202306						100	91	93
320-101519-8 - DL	MP-01-(051-088)-202306	119	123	115	109	105			
320-101519-8 - DL2	MP-01-(051-088)-202306								
320-101519-9	MP-02-(279-300)-202306	111	121	119	120	109	116	114	106
320-101519-10	MP-02-(253-276)-202306	117	121	121	124	116	126	117	115
320-101519-11	MP-02-(223-250)-202306	117	113	116	119	109	120	110	110
320-101519-12	MP-02-(198-220)-202306	114	123	118	125	119	121	118	115
320-101519-12 - DL	MP-02-(198-220)-202306								
320-101519-13	MP-02-(153-195)-202306	109	109	105	112	107	105	102	104
320-101519-13 - DL	MP-02-(153-195)-202306								
320-101519-14	MP-03-(280-300)-202306								
320-101519-14 - RA	MP-03-(280-300)-202306	99	94	86	88	83	105	93	85
320-101519-15	MP-03-(245-277)-202306								
320-101519-15 - RA	MP-03-(245-277)-202306	88	82	75	81	75	98	83	74
320-101519-16	MP-03-(220-242)-202306								
320-101519-16 - RA	MP-03-(220-242)-202306	99	87	87	87	83	106	95	84
320-101519-17	MP-03-(190-217)-202306								
320-101519-17 - RA	MP-03-(190-217)-202306	87	82	73	73	72	90	77	69
320-101519-18	MP-03-(160-187)-202306								
320-101519-18 - RA	MP-03-(160-187)-202306	98	84	85	82	82	103	89	80
320-101519-19	MP-03-(120-157)-202306								
320-101519-19 - RA	MP-03-(120-157)-202306	103	97	86	86	83	107	90	84
320-101519-20	MP-03-(083-117)-202306								
320-101519-20 - RA	MP-03-(083-117)-202306	91	85	75	81	77	95	84	75
320-101519-21	MP-03-(046-080)-202306								
320-101519-21 - RA	MP-03-(046-080)-202306	96	88	77	84	81	99	89	78
320-101519-22	MP-04-(275-291)-202306								
320-101519-22 - RA	MP-04-(275-291)-202306	105	95	87	87	85	107	99	85
320-101519-23	MP-04-(245-272)-202306								
320-101519-23 - RA	MP-04-(245-272)-202306	103	101	84	91	89	107	93	91
320-101519-24	MP-04-(220-242)-202306								
320-101519-24 - RA	MP-04-(220-242)-202306	106	100	91	92	90	114	103	93
320-101519-25	MP-04-(195-217)-202306								
320-101519-25 - RA	MP-04-(195-217)-202306	112	93	93	94	92	112	99	89
320-101519-26 - DL	MP-04-(155-192)-202306								
320-101519-26	MP-04-(155-192)-202306	78	80	80	83	81	86	86	88
320-101519-27 - DL	MP-04-(115-152)-202306		79	77					
320-101519-27	MP-04-(115-152)-202306	98			108	88	113	115	111

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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)
320-101519-28 - DL	MP-04-(080-112)-202306		89	88					
320-101519-28	MP-04-(080-112)-202306	85			90	85	96	90	94
320-101519-29	MP-04-(048-077)-202306	79	79	75	79	81	82	87	77
320-101519-30	MP-05-(SWL-065)-202306	33	31	32	32	33	33	34	29
320-101519-31	MP-06-(148-178)-202306	71	70	70	73	74	74	76	75
320-101519-32	MP-06-(113-145)-202306	71	73	75	78	80	82	82	79
320-101519-33	MP-06-(73-110)-202306	92	86	86	91	93	94	91	88
320-101519-34	MP-06-(36-70)-202306	89	89	87	96	96	95	93	98
320-101519-35	MP-06-(21-33)-202306	88	94	90	96	100	97	97	93
320-101519-36	MP-07-(220-258)-202306	102	99	98	105	108	106	108	107
320-101519-37	MP-07-(195-217)-202306	88	90	92	99	97	96	106	105
320-101519-38	MP-07-(155-192)-202306	104	101	104	105	104	108	109	103
320-101519-39 - DL	MP-07-(115-152)-202306								
320-101519-39	MP-07-(115-152)-202306	105	108	103	103	102	98	100	100
320-101519-40	MP-07-(80-112)-202306	101	97	95	104	98	99	98	93
320-101519-41	MP-07-(48-77)-202306	98	96	98	104	100	98	95	93
320-101519-42	MP-08-(220-246)-202306	99	94	98	105	101	103	105	104
320-101519-43	MP-08-(195-217)-202306	99	97	101	102	102	106	103	98
320-101519-44	MP-08-(155-192)-202306	111	112	111	116	108	117	116	115
320-101519-45	MP-08-(115-152)-202306	125	103	102	96	95	112	106	99
320-101519-46	MP-08-(80-112)-202306	107	93	83	88	88	101	103	89
320-101519-47	MP-08-(48-77)-202306	111	100	98	98	89	109	103	97
320-101519-48	DUP-01-202306	98	92	85	81	82	97	89	78
320-101519-49	DUP-02-202306	95	86	81	80	83	90	82	81
320-101519-49 - DL	DUP-02-202306								
320-101519-50	DUP-03-202306	121	116	93	103	94	115	106	93
320-101519-51	DUP-04-202306	87			85	88	90	85	75
320-101519-51 - DL	DUP-04-202306		98	95					
320-101519-52	DUP-05-202306	97	93	87	84	82	99	93	85
320-101519-53	DUP-06-202306	103	94	85	86	87	96	90	86
320-101519-54	DUP-07-202306	110	95	89	88	88	102	98	91
320-101519-55	DUP-08-202306	116	96	94	88	90	105	99	89
320-101519-56	FB-01-202306	98	104	100	94	87	112	102	94
320-101519-57	EB-01-202306	108	103	100	90	87	108	104	90
320-101519-58	EB-02-202306	106	101	97	84	90	112	105	97
320-101519-59	EB-03-202306	105	105	97	93	90	111	110	96
320-101519-60	EB-04-202306	110	102	97	88	89	113	103	94
320-101519-61	EB-05-202306	100	105	96	90	88	111	106	98
320-101519-62	EB-06-202306	108	96	98	93	91	115	106	99
320-101519-63	EB-07-202306	89	85	83	80	76	96	95	81
320-101519-64	EB-08-202306	94	92	94	86	84	105	99	92
LCS 320-688180/2-A	Lab Control Sample	104	96	95	89	90	107	104	95
LCS 320-688432/2-A	Lab Control Sample								
LCS 320-688432/2-A - RA	Lab Control Sample	108	96	94	91	92	114	103	92
LCS 320-688434/2-A	Lab Control Sample	65	65	66	68	70	71	70	70
LCS 320-688436/2-A	Lab Control Sample	112	123	117	119	111	118	120	115
LCS 320-688626/2-A	Lab Control Sample	103	101	101	107	105	101	106	105
LCS 320-689299/2-A	Lab Control Sample	95	88	95	93	94	91	94	89
LCSD 320-688180/3-A	Lab Control Sample Dup	111	97	96	92	94	105	104	95
LCSD 320-688432/3-A	Lab Control Sample Dup								

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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)
LCSD 320-688432/3-A - RA	Lab Control Sample Dup	89	85	81	78	78	94	83	76
LCSD 320-688434/3-A	Lab Control Sample Dup	70	71	71	76	77	72	78	77
LCSD 320-688436/3-A	Lab Control Sample Dup	125	126	121	125	113	125	120	118
LCSD 320-688626/3-A	Lab Control Sample Dup	104	99	105	103	108	102	105	104
MB 320-688180/1-A	Method Blank	125	108	108	99	93	117	117	105
MB 320-688432/1-A	Method Blank								
MB 320-688432/1-A - RA	Method Blank	112	99	92	94	94	119	108	96
MB 320-688434/1-A	Method Blank	58	55	58	64	62	64	64	63
MB 320-688436/1-A	Method Blank	123	117	117	120	109	120	118	116
MB 320-688626/1-A	Method Blank	106	102	102	107	108	108	109	101
MB 320-689299/1-A	Method Blank	85	81	86	89	85	87	87	86

		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)
320-101519-1	MP-01-(277-293)-202306	121	112	110	114	126	126	119	126
320-101519-2	MP-01-(253-274)-202306	104	93	114	106	112	115	102	112
320-101519-3	MP-01-(223-250)-202306	93	88	105	104	107	111	105	106
320-101519-4	MP-01-(198-220)-202306	101	97	114	114	118	117	121	113
320-101519-5	MP-01-(155-195)-202306	108	105	123	125	128	130	128	116
320-101519-5 - DL	MP-01-(155-195)-202306								
320-101519-6	MP-01-(121-152)-202306	93	96	106	113	115	112	107	112
320-101519-6 - DL	MP-01-(121-152)-202306								
320-101519-7	MP-01-(091-118)-202306	95	80	108	106	105	109	100	102
320-101519-7 - DL	MP-01-(091-118)-202306								
320-101519-7 - DL2	MP-01-(091-118)-202306								
320-101519-8	MP-01-(051-088)-202306	83	84	102	101	102	101	99	98
320-101519-8 - DL	MP-01-(051-088)-202306								
320-101519-8 - DL2	MP-01-(051-088)-202306								
320-101519-9	MP-02-(279-300)-202306	68	99	107	107	115	117	102	109
320-101519-10	MP-02-(253-276)-202306	102	107	123	116	124	125	117	122
320-101519-11	MP-02-(223-250)-202306	100	89	116	111	118	118	106	115
320-101519-12	MP-02-(198-220)-202306	108	111	116	116	122	122	110	113
320-101519-12 - DL	MP-02-(198-220)-202306								
320-101519-13	MP-02-(153-195)-202306	96	83	106	103	108	107	99	105
320-101519-13 - DL	MP-02-(153-195)-202306								
320-101519-14	MP-03-(280-300)-202306					71			
320-101519-14 - RA	MP-03-(280-300)-202306	81	77	88	106	108	98	92	93
320-101519-15	MP-03-(245-277)-202306					73			
320-101519-15 - RA	MP-03-(245-277)-202306	59	53	85	93	95	88	81	82
320-101519-16	MP-03-(220-242)-202306					75			
320-101519-16 - RA	MP-03-(220-242)-202306	81	82	88	105	104	99	96	104
320-101519-17	MP-03-(190-217)-202306					62			
320-101519-17 - RA	MP-03-(190-217)-202306	69	65	77	89	91	84	77	78
320-101519-18	MP-03-(160-187)-202306					69			
320-101519-18 - RA	MP-03-(160-187)-202306	76	74	86	99	101	96	89	99
320-101519-19	MP-03-(120-157)-202306					73			
320-101519-19 - RA	MP-03-(120-157)-202306	83	83	94	108	107	102	92	105
320-101519-20	MP-03-(083-117)-202306					66			
320-101519-20 - RA	MP-03-(083-117)-202306	72	69	85	94	94	92	89	92
320-101519-21	MP-03-(046-080)-202306					73			

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-101519-21 - RA	MP-03-(046-080)-202306	75	74	88	101	99	96	91	96
320-101519-22	MP-04-(275-291)-202306					77			
320-101519-22 - RA	MP-04-(275-291)-202306	81	88	90	108	112	102	96	108
320-101519-23	MP-04-(245-272)-202306					80			
320-101519-23 - RA	MP-04-(245-272)-202306	83	82	96	113	111	108	94	110
320-101519-24	MP-04-(220-242)-202306					82			
320-101519-24 - RA	MP-04-(220-242)-202306	92	88	101	115	117	110	97	105
320-101519-25	MP-04-(195-217)-202306					83			
320-101519-25 - RA	MP-04-(195-217)-202306	86	84	95	113	116	109	102	112
320-101519-26 - DL	MP-04-(155-192)-202306								
320-101519-26	MP-04-(155-192)-202306	92	91	78	81	83	89	87	99
320-101519-27 - DL	MP-04-(115-152)-202306								
320-101519-27	MP-04-(115-152)-202306	111	118	102	110	108	118	105	112
320-101519-28 - DL	MP-04-(080-112)-202306								
320-101519-28	MP-04-(080-112)-202306	91	96	85	90	92	99	85	93
320-101519-29	MP-04-(048-077)-202306	80	78	72	78	78	84	73	77
320-101519-30	MP-05-(SWL-065)-202306	26	27	29	31	31	33	28	27
320-101519-31	MP-06-(148-178)-202306	74	80	67	72	71	77	70	78
320-101519-32	MP-06-(113-145)-202306	79	78	74	77	75	80	69	81
320-101519-33	MP-06-(73-110)-202306	87	88	86	89	87	91	78	85
320-101519-34	MP-06-(36-70)-202306	88	94	80	89	87	93	90	98
320-101519-35	MP-06-(21-33)-202306	79	63	89	91	95	101	90	91
320-101519-36	MP-07-(220-258)-202306	108	108	94	102	103	110	108	106
320-101519-37	MP-07-(195-217)-202306	97	95	77	84	88	93	80	102
320-101519-38	MP-07-(155-192)-202306	100	108	98	101	101	117	95	112
320-101519-39 - DL	MP-07-(115-152)-202306								
320-101519-39	MP-07-(115-152)-202306	96	96	92	99	98	105	100	101
320-101519-40	MP-07-(80-112)-202306	91	93	93	101	102	107	99	96
320-101519-41	MP-07-(48-77)-202306	85	90	93	102	94	107	96	99
320-101519-42	MP-08-(220-246)-202306	99	104	96	106	104	116	101	107
320-101519-43	MP-08-(195-217)-202306	93	103	96	104	107	114	106	108
320-101519-44	MP-08-(155-192)-202306	112	119	105	115	119	125	113	118
320-101519-45	MP-08-(115-152)-202306	95	88	107	101	109	107	106	110
320-101519-46	MP-08-(80-112)-202306	87	84	103	102	102	96	94	94
320-101519-47	MP-08-(48-77)-202306	86	91	102	103	108	104	101	98
320-101519-48	DUP-01-202306	81	76	89	87	97	89	69	85
320-101519-49	DUP-02-202306	72	73	81	87	91	86	86	92
320-101519-49 - DL	DUP-02-202306								
320-101519-50	DUP-03-202306	87	84	105	105	113	112	97	109
320-101519-51	DUP-04-202306	78	71	87	84	90	88	88	93
320-101519-51 - DL	DUP-04-202306								
320-101519-52	DUP-05-202306	79	70	99	91	99	91	93	94
320-101519-53	DUP-06-202306	75	68	96	91	95	93	89	96
320-101519-54	DUP-07-202306	85	82	88	97	106	99	98	107
320-101519-55	DUP-08-202306	84	78	97	100	104	99	95	102
320-101519-56	FB-01-202306	97	87	101	102	107	99	104	116
320-101519-57	EB-01-202306	92	81	94	100	107	97	93	100
320-101519-58	EB-02-202306	95	80	95	104	112	103	108	99
320-101519-59	EB-03-202306	90	82	102	100	117	104	100	111
320-101519-60	EB-04-202306	91	73	97	99	112	99	99	106

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-101519-61	EB-05-202306	93	81	97	96	110	99	104	116
320-101519-62	EB-06-202306	96	84	103	107	116	105	105	123
320-101519-63	EB-07-202306	83	71	91	92	98	89	82	98
320-101519-64	EB-08-202306	85	76	96	97	103	97	93	110
LCS 320-688180/2-A	Lab Control Sample	98	83	101	99	106	100	103	114
LCS 320-688432/2-A	Lab Control Sample					76			
LCS 320-688432/2-A - RA	Lab Control Sample	91	92	99	119	117	107	106	108
LCS 320-688434/2-A	Lab Control Sample	70	66	63	70	69	67	62	68
LCS 320-688436/2-A	Lab Control Sample	108	104	118	108	122	109	120	118
LCS 320-688626/2-A	Lab Control Sample	100	104	103	109	111	106	100	106
LCS 320-689299/2-A	Lab Control Sample	92	88	88	94	93	95	89	92
LCSD 320-688180/3-A	Lab Control Sample Dup	92	76	95	96	105	97	99	99
LCSD 320-688432/3-A	Lab Control Sample Dup					64			
LCSD 320-688432/3-A - RA	Lab Control Sample Dup	70	73	86	97	98	91	83	91
LCSD 320-688434/3-A	Lab Control Sample Dup	77	77	70	76	74	75	71	75
LCSD 320-688436/3-A	Lab Control Sample Dup	112	102	122	117	122	120	125	106
LCSD 320-688626/3-A	Lab Control Sample Dup	103	108	100	104	102	104	103	105
MB 320-688180/1-A	Method Blank	99	87	106	101	116	104	107	119
MB 320-688432/1-A	Method Blank					79			
MB 320-688432/1-A - RA	Method Blank	93	87	103	120	122	109	105	114
MB 320-688434/1-A	Method Blank	65	57	56	59	58	62	59	61
MB 320-688436/1-A	Method Blank	110	89	113	109	119	111	109	116
MB 320-688626/1-A	Method Blank	97	101	98	110	107	114	103	103
MB 320-689299/1-A	Method Blank	80	87	81	89	90	88	85	87

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-101519-1	MP-01-(277-293)-202306	106	104	110	116	108	104	115	122
320-101519-2	MP-01-(253-274)-202306	96	90	94	104	126	101	97	118
320-101519-3	MP-01-(223-250)-202306	96	95	99	97	93	96	107	112
320-101519-4	MP-01-(198-220)-202306	101	103	93	94	119	117	101	118
320-101519-5	MP-01-(155-195)-202306	98	95	105	115	125			131
320-101519-5 - DL	MP-01-(155-195)-202306						245 *5+	143	
320-101519-6	MP-01-(121-152)-202306	100	95	92	98	110			108
320-101519-6 - DL	MP-01-(121-152)-202306						256 *5+	123	
320-101519-7	MP-01-(091-118)-202306	94	92	92	91	101			104
320-101519-7 - DL	MP-01-(091-118)-202306							134	
320-101519-7 - DL2	MP-01-(091-118)-202306						200 *5+		
320-101519-8	MP-01-(051-088)-202306	89	86	88	93	103			104
320-101519-8 - DL	MP-01-(051-088)-202306							129	
320-101519-8 - DL2	MP-01-(051-088)-202306						187 *5+		
320-101519-9	MP-02-(279-300)-202306	107	106	92	100	124	100	103	114
320-101519-10	MP-02-(253-276)-202306	109	101	95	107	127	109	117	126
320-101519-11	MP-02-(223-250)-202306	95	91	91	95	113	100	104	110
320-101519-12	MP-02-(198-220)-202306	91	95	89	103	130		102	117
320-101519-12 - DL	MP-02-(198-220)-202306						122		
320-101519-13	MP-02-(153-195)-202306	81	75	84	85	111		93	104
320-101519-13 - DL	MP-02-(153-195)-202306						124		
320-101519-14	MP-03-(280-300)-202306								
320-101519-14 - RA	MP-03-(280-300)-202306	90	88	92	91	73	77	89	94

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-101519-15	MP-03-(245-277)-202306								
320-101519-15 - RA	MP-03-(245-277)-202306	65	59	60	59	72	71	85	88
320-101519-16	MP-03-(220-242)-202306								
320-101519-16 - RA	MP-03-(220-242)-202306	82	82	91	93	76	75	89	95
320-101519-17	MP-03-(190-217)-202306								
320-101519-17 - RA	MP-03-(190-217)-202306	81	78	81	78	67	69	81	83
320-101519-18	MP-03-(160-187)-202306								
320-101519-18 - RA	MP-03-(160-187)-202306	81	86	95	96	81	82	90	90
320-101519-19	MP-03-(120-157)-202306								
320-101519-19 - RA	MP-03-(120-157)-202306	88	81	86	98	82	81	82	98
320-101519-20	MP-03-(083-117)-202306								
320-101519-20 - RA	MP-03-(083-117)-202306	85	74	80	87	72	67	80	86
320-101519-21	MP-03-(046-080)-202306								
320-101519-21 - RA	MP-03-(046-080)-202306	86	77	97	88	74	73	85	93
320-101519-22	MP-04-(275-291)-202306								
320-101519-22 - RA	MP-04-(275-291)-202306	89	94	104	100	80	84	92	97
320-101519-23	MP-04-(245-272)-202306								
320-101519-23 - RA	MP-04-(245-272)-202306	95	92	95	102	78	86	95	103
320-101519-24	MP-04-(220-242)-202306								
320-101519-24 - RA	MP-04-(220-242)-202306	90	92	99	102	81	93	101	101
320-101519-25	MP-04-(195-217)-202306								
320-101519-25 - RA	MP-04-(195-217)-202306	101	92	103	98	88	85	91	101
320-101519-26 - DL	MP-04-(155-192)-202306						75		
320-101519-26	MP-04-(155-192)-202306	60	69	68	71	81		115	71
320-101519-27 - DL	MP-04-(115-152)-202306						112		
320-101519-27	MP-04-(115-152)-202306	82	76	89	92	97		117	100
320-101519-28 - DL	MP-04-(080-112)-202306						109		
320-101519-28	MP-04-(080-112)-202306	76	71	76	77	89		92	90
320-101519-29	MP-04-(048-077)-202306	60	59	67	65	77	78	78	72
320-101519-30	MP-05-(SWL-065)-202306	21	19	19	20	34	33	40	27
320-101519-31	MP-06-(148-178)-202306	59	58	61	62	72	72	83	68
320-101519-32	MP-06-(113-145)-202306	66	64	65	65	70	79	80	68
320-101519-33	MP-06-(73-110)-202306	67	62	75	76	92	87	88	84
320-101519-34	MP-06-(36-70)-202306	74	73	76	78	85	92	99	91
320-101519-35	MP-06-(21-33)-202306	70	61	58	53	111	99	98	93
320-101519-36	MP-07-(220-258)-202306	82	86	84	91	103	100	106	94
320-101519-37	MP-07-(195-217)-202306	69	71	68	73	94	100	113	101
320-101519-38	MP-07-(155-192)-202306	69	92	80	93	139	118	146	99
320-101519-39 - DL	MP-07-(115-152)-202306						110		
320-101519-39	MP-07-(115-152)-202306	87	85	90	95	102		101	92
320-101519-40	MP-07-(80-112)-202306	92	86	88	91	104	99	102	94
320-101519-41	MP-07-(48-77)-202306	94	87	90	88	95	101	95	94
320-101519-42	MP-08-(220-246)-202306	90	94	92	92	113	105	118	99
320-101519-43	MP-08-(195-217)-202306	97	92	94	90	104	105	104	97
320-101519-44	MP-08-(155-192)-202306	100	94	95	99	120	112	112	115
320-101519-45	MP-08-(115-152)-202306	91	83	105	102	93	91	102	107
320-101519-46	MP-08-(80-112)-202306	85	78	88	96	103	81	99	98
320-101519-47	MP-08-(48-77)-202306	83	78	88	100	96	84	106	105
320-101519-48	DUP-01-202306	60	72	62	83	95	84	93	90
320-101519-49	DUP-02-202306	74	70	73	85	84		86	85

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-101519-49 - DL	DUP-02-202306						90		
320-101519-50	DUP-03-202306	92	93	91	107	104	101	113	110
320-101519-51	DUP-04-202306	73	67	84	86	79		78	84
320-101519-51 - DL	DUP-04-202306						126		
320-101519-52	DUP-05-202306	73	70	86	84	85	75	85	95
320-101519-53	DUP-06-202306	78	71	81	84	82	78	98	93
320-101519-54	DUP-07-202306	78	73	92	97	85	80	89	96
320-101519-55	DUP-08-202306	81	82	89	98	100	79	92	103
320-101519-56	FB-01-202306	94	99	98	99	91	87	93	101
320-101519-57	EB-01-202306	88	93	83	97	100	81	108	101
320-101519-58	EB-02-202306	98	96	98	99	99	84	101	96
320-101519-59	EB-03-202306	93	95	97	92	91	82	103	105
320-101519-60	EB-04-202306	81	83	96	101	97	80	99	99
320-101519-61	EB-05-202306	100	100	91	96	84	83	106	99
320-101519-62	EB-06-202306	87	85	95	99	100	86	110	106
320-101519-63	EB-07-202306	84	78	91	92	92	73	91	90
320-101519-64	EB-08-202306	82	88	91	91	85	78	94	95
LCS 320-688180/2-A	Lab Control Sample	100	98	105	101	91	90	90	104
LCS 320-688432/2-A	Lab Control Sample								
LCS 320-688432/2-A - RA	Lab Control Sample	95	99	101	102	91	95	91	104
LCS 320-688434/2-A	Lab Control Sample	52	51	56	55	60	67	64	63
LCS 320-688436/2-A	Lab Control Sample	100	106	102	112	122	108	109	119
LCS 320-688626/2-A	Lab Control Sample	99	94	96	96	109	111	103	95
LCS 320-689299/2-A	Lab Control Sample	66	69	73	78	94	95	88	88
LCSD 320-688180/3-A	Lab Control Sample Dup	85	85	104	100	89	84	94	103
LCSD 320-688432/3-A	Lab Control Sample Dup								
LCSD 320-688432/3-A - RA	Lab Control Sample Dup	79	76	93	86	69	70	76	88
LCSD 320-688434/3-A	Lab Control Sample Dup	60	56	65	66	68	78	73	65
LCSD 320-688436/3-A	Lab Control Sample Dup	103	101	112	113	122	103	107	118
LCSD 320-688626/3-A	Lab Control Sample Dup	98	94	97	97	107	116	104	101
MB 320-688180/1-A	Method Blank	86	86	120	114	97	93	106	111
MB 320-688432/1-A	Method Blank								
MB 320-688432/1-A - RA	Method Blank	97	98	111	109	79	94	101	108
MB 320-688434/1-A	Method Blank	48	46	49	48	54	59	58	49
MB 320-688436/1-A	Method Blank	90	95	102	102	123	97	112	114
MB 320-688626/1-A	Method Blank	95	94	99	99	112	113	106	104
MB 320-689299/1-A	Method Blank	75	76	81	80	86	88	88	85

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

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

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

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-688180/1-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688180

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/05/23 11:30	07/06/23 20:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/05/23 11:30	07/06/23 20:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/05/23 11:30	07/06/23 20:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/05/23 11:30	07/06/23 20:27	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/05/23 11:30	07/06/23 20:27	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/05/23 11:30	07/06/23 20:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/05/23 11:30	07/06/23 20:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/05/23 11:30	07/06/23 20:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 20:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/05/23 11:30	07/06/23 20:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/05/23 11:30	07/06/23 20:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/05/23 11:30	07/06/23 20:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/05/23 11:30	07/06/23 20:27	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/05/23 11:30	07/06/23 20:27	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/05/23 11:30	07/06/23 20:27	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*125*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C5 PFPeA	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C2 PFHxA	*108*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C4 PFHpA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C4 PFOA	*93*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C5 PFNA	*117*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C2 PFDA	*117*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C2 PFUnA	*105*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C2 PFDoA	*99*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*07/05/23 11:30*	*07/06/23 20:27*	*1*

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

Lab Sample ID: MB 320-688180/1-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688180

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	106		25 - 150	07/05/23 11:30	07/06/23 20:27	1
18O2 PFHxS	101		25 - 150	07/05/23 11:30	07/06/23 20:27	1
13C4 PFOS	116		25 - 150	07/05/23 11:30	07/06/23 20:27	1
13C8 FOSA	104		10 - 150	07/05/23 11:30	07/06/23 20:27	1
d3-NMeFOSAA	107		25 - 150	07/05/23 11:30	07/06/23 20:27	1
d5-NEtFOSAA	119		25 - 150	07/05/23 11:30	07/06/23 20:27	1
d-N-MeFOSA-M	86		10 - 150	07/05/23 11:30	07/06/23 20:27	1
d-N-EtFOSA-M	86		10 - 150	07/05/23 11:30	07/06/23 20:27	1
d7-N-MeFOSE-M	120		10 - 150	07/05/23 11:30	07/06/23 20:27	1
d9-N-EtFOSE-M	114		10 - 150	07/05/23 11:30	07/06/23 20:27	1
M2-4:2 FTS	97		25 - 150	07/05/23 11:30	07/06/23 20:27	1
M2-6:2 FTS	93		25 - 150	07/05/23 11:30	07/06/23 20:27	1
M2-8:2 FTS	106		25 - 150	07/05/23 11:30	07/06/23 20:27	1
13C3 HFPO-DA	111		25 - 150	07/05/23 11:30	07/06/23 20:27	1

Lab Sample ID: LCS 320-688180/2-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	42.7		ng/L		107	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	43.4		ng/L		108	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.7		ng/L		112	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	47.1		ng/L		118	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	44.4		ng/L		111	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.7		ng/L		109	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	44.0		ng/L		110	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	44.0		ng/L		110	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.6		ng/L		109	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.1		ng/L		98	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.9		ng/L		100	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	39.2		ng/L		110	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.6		ng/L		108	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	37.6		ng/L		103	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.1		ng/L		105	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	34.4		ng/L		93	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	41.7		ng/L		108	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	40.6		ng/L		105	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	30.9		ng/L		80	60 - 135

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

Lab Sample ID: LCS 320-688180/2-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	44.6		ng/L		112	60 - 135
NEtFOSA	40.0	42.7		ng/L		107	60 - 135
NMeFOSA	40.0	43.9		ng/L		110	60 - 135
NMeFOSAA	40.0	41.9		ng/L		105	60 - 135
NEtFOSAA	40.0	42.0		ng/L		105	60 - 135
NMeFOSE	40.0	40.2		ng/L		100	60 - 135
NEtFOSE	40.0	42.9		ng/L		107	60 - 135
4:2 FTS	37.5	35.4		ng/L		94	60 - 135
6:2 FTS	38.1	35.7		ng/L		94	60 - 135
8:2 FTS	38.4	40.2		ng/L		105	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.9		ng/L		90	60 - 135
HFPO-DA (GenX)	40.0	39.7		ng/L		99	60 - 135
9Cl-PF3ONS	37.4	36.1		ng/L		97	60 - 135
11Cl-PF3OUdS	37.8	36.8		ng/L		97	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*96*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*89*		*25 - 150*
13C4 PFOA	*90*		*25 - 150*
13C5 PFNA	*107*		*25 - 150*
13C2 PFDA	*104*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*101*		*25 - 150*
18O2 PFHxS	*99*		*25 - 150*
13C4 PFOS	*106*		*25 - 150*
13C8 FOSA	*100*		*10 - 150*
d3-NMeFOSAA	*103*		*25 - 150*
d5-NEtFOSAA	*114*		*25 - 150*
d-N-MeFOSA-M	*100*		*10 - 150*
d-N-EtFOSA-M	*98*		*10 - 150*
d7-N-MeFOSE-M	*105*		*10 - 150*
d9-N-EtFOSE-M	*101*		*10 - 150*
M2-4:2 FTS	*91*		*25 - 150*
M2-6:2 FTS	*90*		*25 - 150*
M2-8:2 FTS	*90*		*25 - 150*
13C3 HFPO-DA	*104*		*25 - 150*

Lab Sample ID: LCSD 320-688180/3-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	40.4		ng/L		101	60 - 135	6	30

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

Lab Sample ID: LCSD 320-688180/3-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688180

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)			40.0	38.7		ng/L		97	60 - 135	12	30
Perfluorohexanoic acid (PFHxA)			40.0	44.6		ng/L		111	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)			40.0	44.3		ng/L		111	60 - 135	6	30
Perfluorooctanoic acid (PFOA)			40.0	44.1		ng/L		110	60 - 135	1	30
Perfluorononanoic acid (PFNA)			40.0	42.4		ng/L		106	60 - 135	3	30
Perfluorodecanoic acid (PFDA)			40.0	41.6		ng/L		104	60 - 135	6	30
Perfluoroundecanoic acid (PFUnA)			40.0	43.9		ng/L		110	60 - 135	0	30
Perfluorododecanoic acid (PFDoA)			40.0	41.5		ng/L		104	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)			40.0	41.5		ng/L		104	60 - 135	6	30
Perfluorotetradecanoic acid (PFTeA)			40.0	44.3		ng/L		111	60 - 135	10	30
Perfluorobutanesulfonic acid (PFBS)			35.5	39.3		ng/L		111	60 - 135	0	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	41.4		ng/L		110	60 - 135	2	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	38.1		ng/L		105	60 - 135	1	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	39.0		ng/L		102	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)			37.2	33.2		ng/L		89	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)			38.5	42.2		ng/L		110	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	35.4		ng/L		92	60 - 135	14	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	28.0		ng/L		72	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)			40.0	40.9		ng/L		102	60 - 135	9	30
NEtFOSA			40.0	41.3		ng/L		103	60 - 135	3	30
NMeFOSA			40.0	41.8		ng/L		105	60 - 135	5	30
NMeFOSAA			40.0	43.8		ng/L		109	60 - 135	4	30
NEtFOSAA			40.0	46.5		ng/L		116	60 - 135	10	30
NMeFOSE			40.0	40.4		ng/L		101	60 - 135	0	30
NEtFOSE			40.0	38.4		ng/L		96	60 - 135	11	30
4:2 FTS			37.5	37.9		ng/L		101	60 - 135	7	30
6:2 FTS			38.1	39.4		ng/L		103	60 - 135	10	30
8:2 FTS			38.4	38.3		ng/L		100	60 - 135	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	34.8		ng/L		92	60 - 135	2	30
HFPO-DA (GenX)			40.0	40.8		ng/L		102	60 - 135	3	30
9Cl-PF3ONS			37.4	35.0		ng/L		94	60 - 135	3	30
11Cl-PF3OUdS			37.8	34.7		ng/L		92	60 - 135	6	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*111*		*25 - 150*
13C5 PFPeA	*97*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*92*		*25 - 150*

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

Lab Sample ID: LCSD 320-688180/3-A
Matrix: Water
Analysis Batch: 688646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688180

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOA	94		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	76		25 - 150
13C3 PFBS	95		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	105		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	99		25 - 150
d5-NEtFOSAA	99		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	85		10 - 150
d7-N-MeFOSE-M	104		10 - 150
d9-N-EtFOSE-M	100		10 - 150
M2-4:2 FTS	89		25 - 150
M2-6:2 FTS	84		25 - 150
M2-8:2 FTS	94		25 - 150
13C3 HFPO-DA	103		25 - 150

Lab Sample ID: MB 320-688432/1-A
Matrix: Water
Analysis Batch: 688914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:31	07/08/23 05:52	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	79		25 - 150	07/06/23 11:31	07/08/23 05:52	1

Lab Sample ID: LCS 320-688432/2-A
Matrix: Water
Analysis Batch: 688914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688432

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorododecanesulfonic acid (PFDoS)			38.8	49.5		ng/L		127	60 - 135		

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFOS	76		25 - 150

Lab Sample ID: LCSD 320-688432/3-A
Matrix: Water
Analysis Batch: 688914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688432

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorododecanesulfonic acid (PFDoS)			38.8	48.6		ng/L		125	60 - 135	2	30

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

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOS	64		25 - 150

Lab Sample ID: MB 320-688434/1-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:41	07/15/23 01:14	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:41	07/15/23 01:14	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:41	07/15/23 01:14	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:41	07/15/23 01:14	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:41	07/15/23 01:14	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:41	07/15/23 01:14	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:41	07/15/23 01:14	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:41	07/15/23 01:14	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 01:14	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/06/23 11:41	07/15/23 01:14	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:41	07/15/23 01:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:41	07/15/23 01:14	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:41	07/15/23 01:14	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:41	07/15/23 01:14	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:41	07/15/23 01:14	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	58		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C5 PFPeA	55		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C2 PFHxA	58		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C4 PFHpA	64		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C4 PFOA	62		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C5 PFNA	64		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C2 PFDA	64		25 - 150	07/06/23 11:41	07/15/23 01:14	1

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

Lab Sample ID: MB 320-688434/1-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688434

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	63		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C2 PFDoA	65		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C2 PFTeDA	57		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C3 PFBS	56		25 - 150	07/06/23 11:41	07/15/23 01:14	1
18O2 PFHxS	59		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C4 PFOS	58		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C8 FOSA	62		10 - 150	07/06/23 11:41	07/15/23 01:14	1
d3-NMeFOSAA	59		25 - 150	07/06/23 11:41	07/15/23 01:14	1
d5-NEtFOSAA	61		25 - 150	07/06/23 11:41	07/15/23 01:14	1
d-N-MeFOSA-M	48		10 - 150	07/06/23 11:41	07/15/23 01:14	1
d-N-EtFOSA-M	46		10 - 150	07/06/23 11:41	07/15/23 01:14	1
d7-N-MeFOSE-M	49		10 - 150	07/06/23 11:41	07/15/23 01:14	1
d9-N-EtFOSE-M	48		10 - 150	07/06/23 11:41	07/15/23 01:14	1
M2-4:2 FTS	54		25 - 150	07/06/23 11:41	07/15/23 01:14	1
M2-6:2 FTS	59		25 - 150	07/06/23 11:41	07/15/23 01:14	1
M2-8:2 FTS	58		25 - 150	07/06/23 11:41	07/15/23 01:14	1
13C3 HFPO-DA	49		25 - 150	07/06/23 11:41	07/15/23 01:14	1

Lab Sample ID: LCS 320-688434/2-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	42.3		ng/L		106	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	38.8		ng/L		97	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.7		ng/L		99	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		100	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.5		ng/L		96	60 - 135
Perfluorononanoic acid (PFNA)	40.0	39.2		ng/L		98	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.9		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.4		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.6		ng/L		101	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.5		ng/L		99	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	37.3		ng/L		93	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	35.0		ng/L		98	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	39.0		ng/L		104	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.9		ng/L		96	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.5		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.8		ng/L		99	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.4		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	37.5		ng/L		97	60 - 135

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

Lab Sample ID: LCS 320-688434/2-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.2		ng/L		83	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	41.4		ng/L		103	60 - 135
NEtFOSA	40.0	39.6		ng/L		99	60 - 135
NMeFOSA	40.0	41.0		ng/L		103	60 - 135
NMeFOSAA	40.0	42.8		ng/L		107	60 - 135
NEtFOSAA	40.0	40.8		ng/L		102	60 - 135
NMeFOSE	40.0	42.1		ng/L		105	60 - 135
NEtFOSE	40.0	41.6		ng/L		104	60 - 135
4:2 FTS	37.5	43.9		ng/L		117	60 - 135
6:2 FTS	38.1	39.6		ng/L		104	60 - 135
8:2 FTS	38.4	37.4		ng/L		97	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.3		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	38.2		ng/L		96	60 - 135
9Cl-PF3ONS	37.4	35.8		ng/L		96	60 - 135
11Cl-PF3OUdS	37.8	36.0		ng/L		95	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*65*		*25 - 150*
13C5 PFPeA	*65*		*25 - 150*
13C2 PFHxA	*66*		*25 - 150*
13C4 PFHpA	*68*		*25 - 150*
13C4 PFOA	*70*		*25 - 150*
13C5 PFNA	*71*		*25 - 150*
13C2 PFDA	*70*		*25 - 150*
13C2 PFUnA	*70*		*25 - 150*
13C2 PFDoA	*70*		*25 - 150*
13C2 PFTeDA	*66*		*25 - 150*
13C3 PFBS	*63*		*25 - 150*
18O2 PFHxS	*70*		*25 - 150*
13C4 PFOS	*69*		*25 - 150*
13C8 FOSA	*67*		*10 - 150*
d3-NMeFOSAA	*62*		*25 - 150*
d5-NEtFOSAA	*68*		*25 - 150*
d-N-MeFOSA-M	*52*		*10 - 150*
d-N-EtFOSA-M	*51*		*10 - 150*
d7-N-MeFOSE-M	*56*		*10 - 150*
d9-N-EtFOSE-M	*55*		*10 - 150*
M2-4:2 FTS	*60*		*25 - 150*
M2-6:2 FTS	*67*		*25 - 150*
M2-8:2 FTS	*64*		*25 - 150*
13C3 HFPO-DA	*63*		*25 - 150*

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

Lab Sample ID: LCSD 320-688434/3-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688434

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	40.9		ng/L		102	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)			40.0	39.3		ng/L		98	60 - 135	1	30
Perfluorohexanoic acid (PFHxA)			40.0	40.0		ng/L		100	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)			40.0	40.2		ng/L		101	60 - 135	1	30
Perfluorooctanoic acid (PFOA)			40.0	39.6		ng/L		99	60 - 135	3	30
Perfluorononanoic acid (PFNA)			40.0	43.5		ng/L		109	60 - 135	11	30
Perfluorodecanoic acid (PFDA)			40.0	41.6		ng/L		104	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)			40.0	39.3		ng/L		98	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)			40.0	39.6		ng/L		99	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)			40.0	39.3		ng/L		98	60 - 135	1	30
Perfluorotetradecanoic acid (PFTeA)			40.0	39.2		ng/L		98	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)			35.5	35.0		ng/L		99	60 - 135	0	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	38.6		ng/L		103	60 - 135	1	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	33.7		ng/L		92	60 - 135	4	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	38.0		ng/L		100	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)			37.2	36.2		ng/L		97	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)			38.5	39.1		ng/L		102	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)			38.6	36.9		ng/L		96	60 - 135	2	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	33.0		ng/L		85	60 - 135	2	30
Perfluorooctanesulfonamide (FOSA)			40.0	40.0		ng/L		100	60 - 135	3	30
NEtFOSA			40.0	39.3		ng/L		98	60 - 135	1	30
NMeFOSA			40.0	41.9		ng/L		105	60 - 135	2	30
NMeFOSAA			40.0	41.5		ng/L		104	60 - 135	3	30
NEtFOSAA			40.0	38.9		ng/L		97	60 - 135	5	30
NMeFOSE			40.0	40.7		ng/L		102	60 - 135	3	30
NEtFOSE			40.0	39.5		ng/L		99	60 - 135	5	30
4:2 FTS			37.5	37.7		ng/L		101	60 - 135	15	30
6:2 FTS			38.1	36.5		ng/L		96	60 - 135	8	30
8:2 FTS			38.4	39.5		ng/L		103	60 - 135	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	37.9		ng/L		100	60 - 135	2	30
HFPO-DA (GenX)			40.0	43.8		ng/L		110	60 - 135	14	30
9Cl-PF3ONS			37.4	36.6		ng/L		98	60 - 135	2	30
11Cl-PF3OUdS			37.8	37.4		ng/L		99	60 - 135	4	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*70*		*25 - 150*
13C5 PFPeA	*71*		*25 - 150*
13C2 PFHxA	*71*		*25 - 150*

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

Lab Sample ID: LCSD 320-688434/3-A
Matrix: Water
Analysis Batch: 690843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688434

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFHpA	*76*		*25 - 150*
13C4 PFOA	*77*		*25 - 150*
13C5 PFNA	*72*		*25 - 150*
13C2 PFDA	*78*		*25 - 150*
13C2 PFUnA	*77*		*25 - 150*
13C2 PFDoA	*77*		*25 - 150*
13C2 PFTeDA	*77*		*25 - 150*
13C3 PFBS	*70*		*25 - 150*
18O2 PFHxS	*76*		*25 - 150*
13C4 PFOS	*74*		*25 - 150*
13C8 FOSA	*75*		*10 - 150*
d3-NMeFOSAA	*71*		*25 - 150*
d5-NEtFOSAA	*75*		*25 - 150*
d-N-MeFOSA-M	*60*		*10 - 150*
d-N-EtFOSA-M	*56*		*10 - 150*
d7-N-MeFOSE-M	*65*		*10 - 150*
d9-N-EtFOSE-M	*66*		*10 - 150*
M2-4:2 FTS	*68*		*25 - 150*
M2-6:2 FTS	*78*		*25 - 150*
M2-8:2 FTS	*73*		*25 - 150*
13C3 HFPO-DA	*65*		*25 - 150*

Lab Sample ID: MB 320-688436/1-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:50	07/15/23 12:44	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:50	07/15/23 12:44	1

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

Lab Sample ID: MB 320-688436/1-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:50	07/15/23 12:44	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:50	07/15/23 12:44	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:50	07/15/23 12:44	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:50	07/15/23 12:44	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:50	07/15/23 12:44	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:50	07/15/23 12:44	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 12:44	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/06/23 11:50	07/15/23 12:44	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:50	07/15/23 12:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:50	07/15/23 12:44	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:50	07/15/23 12:44	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:50	07/15/23 12:44	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:50	07/15/23 12:44	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C5 PFPeA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C2 PFHxA	*117*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C4 PFHpA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C4 PFOA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C5 PFNA	*120*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C2 PFDA	*118*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C2 PFUnA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C2 PFDoA	*110*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C3 PFBS	*113*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
18O2 PFHxS	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C4 PFOS	*119*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C8 FOSA	*111*		*10 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d3-NMeFOSAA	*109*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d5-NEtFOSAA	*116*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d-N-MeFOSA-M	*90*		*10 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d-N-EtFOSA-M	*95*		*10 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d7-N-MeFOSE-M	*102*		*10 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
d9-N-EtFOSE-M	*102*		*10 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
M2-4:2 FTS	*123*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
M2-6:2 FTS	*97*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
M2-8:2 FTS	*112*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*
13C3 HFPO-DA	*114*		*25 - 150*	*07/06/23 11:50*	*07/15/23 12:44*	*1*

Lab Sample ID: LCS 320-688436/2-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	41.0		ng/L		103	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.4		ng/L		98	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.8		ng/L		99	60 - 135

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

Lab Sample ID: LCS 320-688436/2-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid (PFHpA)	40.0	42.0		ng/L		105	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.8		ng/L		102	60 - 135
Perfluorononanoic acid (PFNA)	40.0	39.5		ng/L		99	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.1		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.6		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.3		ng/L		103	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	35.4		ng/L		89	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	38.5		ng/L		96	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	35.1		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	38.5		ng/L		102	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	38.2		ng/L		105	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.2		ng/L		87	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	33.5		ng/L		90	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	35.9		ng/L		93	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	35.7		ng/L		92	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.1		ng/L		80	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	37.1		ng/L		93	60 - 135
NEtFOSA	40.0	36.7		ng/L		92	60 - 135
NMeFOSA	40.0	40.1		ng/L		100	60 - 135
NMeFOSAA	40.0	35.9		ng/L		90	60 - 135
NEtFOSAA	40.0	36.5		ng/L		91	60 - 135
NMeFOSE	40.0	43.0		ng/L		107	60 - 135
NEtFOSE	40.0	37.1		ng/L		93	60 - 135
4:2 FTS	37.5	35.3		ng/L		94	60 - 135
6:2 FTS	38.1	38.5		ng/L		101	60 - 135
8:2 FTS	38.4	40.6		ng/L		106	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	38.5		ng/L		102	60 - 135
HFPO-DA (GenX)	40.0	37.8		ng/L		94	60 - 135
9Cl-PF3ONS	37.4	35.5		ng/L		95	60 - 135
11Cl-PF3OUdS	37.8	34.9		ng/L		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*112*		*25 - 150*
13C5 PFPeA	*123*		*25 - 150*
13C2 PFHxA	*117*		*25 - 150*
13C4 PFHpA	*119*		*25 - 150*
13C4 PFOA	*111*		*25 - 150*
13C5 PFNA	*118*		*25 - 150*

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

Lab Sample ID: LCS 320-688436/2-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688436

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	120		25 - 150
13C2 PFUnA	115		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	104		25 - 150
13C3 PFBS	118		25 - 150
18O2 PFHxS	108		25 - 150
13C4 PFOS	122		25 - 150
13C8 FOSA	109		10 - 150
d3-NMeFOSAA	120		25 - 150
d5-NEtFOSAA	118		25 - 150
d-N-MeFOSA-M	100		10 - 150
d-N-EtFOSA-M	106		10 - 150
d7-N-MeFOSE-M	102		10 - 150
d9-N-EtFOSE-M	112		10 - 150
M2-4:2 FTS	122		25 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	109		25 - 150
13C3 HFPO-DA	119		25 - 150

Lab Sample ID: LCSD 320-688436/3-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688436

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	40.7		ng/L		102	60 - 135	1	30
Perfluoropentanoic acid (PFPeA)			40.0	38.8		ng/L		97	60 - 135	1	30
Perfluorohexanoic acid (PFHxA)			40.0	43.0		ng/L		108	60 - 135	8	30
Perfluoroheptanoic acid (PFHpA)			40.0	38.8		ng/L		97	60 - 135	8	30
Perfluorooctanoic acid (PFOA)			40.0	42.0		ng/L		105	60 - 135	3	30
Perfluorononanoic acid (PFNA)			40.0	39.1		ng/L		98	60 - 135	1	30
Perfluorodecanoic acid (PFDA)			40.0	40.7		ng/L		102	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)			40.0	41.2		ng/L		103	60 - 135	2	30
Perfluorododecanoic acid (PFDoA)			40.0	42.7		ng/L		107	60 - 135	3	30
Perfluorotridecanoic acid (PFTrDA)			40.0	36.7		ng/L		92	60 - 135	4	30
Perfluorotetradecanoic acid (PFTeA)			40.0	41.0		ng/L		102	60 - 135	6	30
Perfluorobutanesulfonic acid (PFBS)			35.5	32.7		ng/L		92	60 - 135	7	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	37.4		ng/L		99	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.9		ng/L		98	60 - 135	6	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	34.2		ng/L		89	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)			37.2	35.5		ng/L		95	60 - 135	6	30
Perfluorononanesulfonic acid (PFNS)			38.5	38.7		ng/L		101	60 - 135	8	30

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

Lab Sample ID: LCSD 320-688436/3-A
Matrix: Water
Analysis Batch: 690967

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688436

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanesulfonic acid (PFDS)			38.6	36.0		ng/L		93	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	30.9		ng/L		80	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA)			40.0	36.8		ng/L		92	60 - 135	1	30
NEtFOSA			40.0	39.8		ng/L		99	60 - 135	8	30
NMeFOSA			40.0	38.3		ng/L		96	60 - 135	4	30
NMeFOSAA			40.0	36.6		ng/L		92	60 - 135	2	30
NEtFOSAA			40.0	42.6		ng/L		106	60 - 135	15	30
NMeFOSE			40.0	41.2		ng/L		103	60 - 135	4	30
NEtFOSE			40.0	38.1		ng/L		95	60 - 135	3	30
4:2 FTS			37.5	37.6		ng/L		100	60 - 135	6	30
6:2 FTS			38.1	44.6		ng/L		117	60 - 135	15	30
8:2 FTS			38.4	42.3		ng/L		110	60 - 135	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	39.8		ng/L		105	60 - 135	3	30
HFPO-DA (GenX)			40.0	39.4		ng/L		99	60 - 135	4	30
9Cl-PF3ONS			37.4	37.6		ng/L		101	60 - 135	6	30
11Cl-PF3OUdS			37.8	37.2		ng/L		98	60 - 135	6	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*125*		*25 - 150*
13C5 PFPeA	*126*		*25 - 150*
13C2 PFHxA	*121*		*25 - 150*
13C4 PFHpA	*125*		*25 - 150*
13C4 PFOA	*113*		*25 - 150*
13C5 PFNA	*125*		*25 - 150*
13C2 PFDA	*120*		*25 - 150*
13C2 PFUnA	*118*		*25 - 150*
13C2 PFDoA	*112*		*25 - 150*
13C2 PFTeDA	*102*		*25 - 150*
13C3 PFBS	*122*		*25 - 150*
18O2 PFHxS	*117*		*25 - 150*
13C4 PFOS	*122*		*25 - 150*
13C8 FOSA	*120*		*10 - 150*
d3-NMeFOSAA	*125*		*25 - 150*
d5-NEtFOSAA	*106*		*25 - 150*
d-N-MeFOSA-M	*103*		*10 - 150*
d-N-EtFOSA-M	*101*		*10 - 150*
d7-N-MeFOSE-M	*112*		*10 - 150*
d9-N-EtFOSE-M	*113*		*10 - 150*
M2-4:2 FTS	*122*		*25 - 150*
M2-6:2 FTS	*103*		*25 - 150*
M2-8:2 FTS	*107*		*25 - 150*
13C3 HFPO-DA	*118*		*25 - 150*

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

Lab Sample ID: MB 320-688626/1-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/07/23 05:30	07/12/23 11:21	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/07/23 05:30	07/12/23 11:21	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/07/23 05:30	07/12/23 11:21	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/07/23 05:30	07/12/23 11:21	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/07/23 05:30	07/12/23 11:21	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/07/23 05:30	07/12/23 11:21	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/07/23 05:30	07/12/23 11:21	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/07/23 05:30	07/12/23 11:21	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/07/23 05:30	07/12/23 11:21	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/07/23 05:30	07/12/23 11:21	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/07/23 05:30	07/12/23 11:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/07/23 05:30	07/12/23 11:21	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/07/23 05:30	07/12/23 11:21	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/07/23 05:30	07/12/23 11:21	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/07/23 05:30	07/12/23 11:21	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C5 PFPeA	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C2 PFHxA	*102*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C4 PFHpA	*107*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C4 PFOA	*108*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C5 PFNA	*108*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C2 PFDA	*109*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C2 PFUnA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C2 PFDoA	*97*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*
13C2 PFTeDA	*101*		*25 - 150*	*07/07/23 05:30*	*07/12/23 11:21*	*1*

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

Lab Sample ID: MB 320-688626/1-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688626

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	98		25 - 150	07/07/23 05:30	07/12/23 11:21	1
18O2 PFHxS	110		25 - 150	07/07/23 05:30	07/12/23 11:21	1
13C4 PFOS	107		25 - 150	07/07/23 05:30	07/12/23 11:21	1
13C8 FOSA	114		10 - 150	07/07/23 05:30	07/12/23 11:21	1
d3-NMeFOSAA	103		25 - 150	07/07/23 05:30	07/12/23 11:21	1
d5-NEtFOSAA	103		25 - 150	07/07/23 05:30	07/12/23 11:21	1
d-N-MeFOSA-M	95		10 - 150	07/07/23 05:30	07/12/23 11:21	1
d-N-EtFOSA-M	94		10 - 150	07/07/23 05:30	07/12/23 11:21	1
d7-N-MeFOSE-M	99		10 - 150	07/07/23 05:30	07/12/23 11:21	1
d9-N-EtFOSE-M	99		10 - 150	07/07/23 05:30	07/12/23 11:21	1
M2-4:2 FTS	112		25 - 150	07/07/23 05:30	07/12/23 11:21	1
M2-6:2 FTS	113		25 - 150	07/07/23 05:30	07/12/23 11:21	1
M2-8:2 FTS	106		25 - 150	07/07/23 05:30	07/12/23 11:21	1
13C3 HFPO-DA	104		25 - 150	07/07/23 05:30	07/12/23 11:21	1

Lab Sample ID: LCS 320-688626/2-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	42.0		ng/L		105	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	44.8		ng/L		112	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.7		ng/L		112	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	42.3		ng/L		106	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	42.7		ng/L		107	60 - 135
Perfluorononanoic acid (PFNA)	40.0	44.8		ng/L		112	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.1		ng/L		105	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.6		ng/L		109	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	46.3		ng/L		116	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	43.6		ng/L		109	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	38.1		ng/L		95	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	37.8		ng/L		106	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.9		ng/L		109	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.8		ng/L		98	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.1		ng/L		100	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.0		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.8		ng/L		98	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.1		ng/L		101	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.0		ng/L		88	60 - 135

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

Lab Sample ID: LCS 320-688626/2-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	41.1		ng/L		103	60 - 135
NEtFOSA	40.0	42.5		ng/L		106	60 - 135
NMeFOSA	40.0	41.3		ng/L		103	60 - 135
NMeFOSAA	40.0	42.1		ng/L		105	60 - 135
NEtFOSAA	40.0	39.5		ng/L		99	60 - 135
NMeFOSE	40.0	42.7		ng/L		107	60 - 135
NEtFOSE	40.0	44.9		ng/L		112	60 - 135
4:2 FTS	37.5	38.4		ng/L		102	60 - 135
6:2 FTS	38.1	39.5		ng/L		104	60 - 135
8:2 FTS	38.4	43.4		ng/L		113	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.7		ng/L		108	60 - 135
HFPO-DA (GenX)	40.0	44.4		ng/L		111	60 - 135
9Cl-PF3ONS	37.4	38.8		ng/L		104	60 - 135
11Cl-PF3OUdS	37.8	38.6		ng/L		102	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*103*		*25 - 150*
13C5 PFPeA	*101*		*25 - 150*
13C2 PFHxA	*101*		*25 - 150*
13C4 PFHpA	*107*		*25 - 150*
13C4 PFOA	*105*		*25 - 150*
13C5 PFNA	*101*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*105*		*25 - 150*
13C2 PFDoA	*100*		*25 - 150*
13C2 PFTeDA	*104*		*25 - 150*
13C3 PFBS	*103*		*25 - 150*
18O2 PFHxS	*109*		*25 - 150*
13C4 PFOS	*111*		*25 - 150*
13C8 FOSA	*106*		*10 - 150*
d3-NMeFOSAA	*100*		*25 - 150*
d5-NEtFOSAA	*106*		*25 - 150*
d-N-MeFOSA-M	*99*		*10 - 150*
d-N-EtFOSA-M	*94*		*10 - 150*
d7-N-MeFOSE-M	*96*		*10 - 150*
d9-N-EtFOSE-M	*96*		*10 - 150*
M2-4:2 FTS	*109*		*25 - 150*
M2-6:2 FTS	*111*		*25 - 150*
M2-8:2 FTS	*103*		*25 - 150*
13C3 HFPO-DA	*95*		*25 - 150*

Lab Sample ID: LCSD 320-688626/3-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	41.9		ng/L		105	60 - 135	0	30

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

Lab Sample ID: LCSD 320-688626/3-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688626

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)			40.0	43.5		ng/L		109	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)			40.0	41.6		ng/L		104	60 - 135	7	30
Perfluoroheptanoic acid (PFHpA)			40.0	43.3		ng/L		108	60 - 135	2	30
Perfluorooctanoic acid (PFOA)			40.0	43.4		ng/L		108	60 - 135	2	30
Perfluorononanoic acid (PFNA)			40.0	45.0		ng/L		112	60 - 135	0	30
Perfluorodecanoic acid (PFDA)			40.0	44.6		ng/L		112	60 - 135	6	30
Perfluoroundecanoic acid (PFUnA)			40.0	42.4		ng/L		106	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)			40.0	43.0		ng/L		107	60 - 135	8	30
Perfluorotridecanoic acid (PFTrDA)			40.0	39.8		ng/L		99	60 - 135	9	30
Perfluorotetradecanoic acid (PFTeA)			40.0	35.8		ng/L		89	60 - 135	6	30
Perfluorobutanesulfonic acid (PFBS)			35.5	37.2		ng/L		105	60 - 135	1	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	42.0		ng/L		112	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	37.1		ng/L		102	60 - 135	3	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	40.3		ng/L		106	60 - 135	6	30
Perfluorooctanesulfonic acid (PFOS)			37.2	39.4		ng/L		106	60 - 135	6	30
Perfluorononanesulfonic acid (PFNS)			38.5	40.6		ng/L		105	60 - 135	7	30
Perfluorodecanesulfonic acid (PFDS)			38.6	40.6		ng/L		105	60 - 135	4	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	36.5		ng/L		94	60 - 135	7	30
Perfluorooctanesulfonamide (FOSA)			40.0	41.3		ng/L		103	60 - 135	0	30
NEtFOSA			40.0	43.4		ng/L		109	60 - 135	2	30
NMeFOSA			40.0	39.9		ng/L		100	60 - 135	4	30
NMeFOSAA			40.0	40.9		ng/L		102	60 - 135	3	30
NEtFOSAA			40.0	43.6		ng/L		109	60 - 135	10	30
NMeFOSE			40.0	42.4		ng/L		106	60 - 135	1	30
NEtFOSE			40.0	42.0		ng/L		105	60 - 135	7	30
4:2 FTS			37.5	39.8		ng/L		106	60 - 135	3	30
6:2 FTS			38.1	37.7		ng/L		99	60 - 135	5	30
8:2 FTS			38.4	39.5		ng/L		103	60 - 135	9	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	42.5		ng/L		112	60 - 135	4	30
HFPO-DA (GenX)			40.0	41.3		ng/L		103	60 - 135	7	30
9Cl-PF3ONS			37.4	39.5		ng/L		106	60 - 135	2	30
11Cl-PF3OUdS			37.8	38.0		ng/L		101	60 - 135	2	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*105*		*25 - 150*
13C4 PFHpA	*103*		*25 - 150*

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

Lab Sample ID: LCSD 320-688626/3-A
Matrix: Water
Analysis Batch: 689958

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688626

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFOA	*108*		*25 - 150*
13C5 PFNA	*102*		*25 - 150*
13C2 PFDA	*105*		*25 - 150*
13C2 PFUnA	*104*		*25 - 150*
13C2 PFDoA	*103*		*25 - 150*
13C2 PFTeDA	*108*		*25 - 150*
13C3 PFBS	*100*		*25 - 150*
18O2 PFHxS	*104*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*104*		*10 - 150*
d3-NMeFOSAA	*103*		*25 - 150*
d5-NEtFOSAA	*105*		*25 - 150*
d-N-MeFOSA-M	*98*		*10 - 150*
d-N-EtFOSA-M	*94*		*10 - 150*
d7-N-MeFOSE-M	*97*		*10 - 150*
d9-N-EtFOSE-M	*97*		*10 - 150*
M2-4:2 FTS	*107*		*25 - 150*
M2-6:2 FTS	*116*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*
13C3 HFPO-DA	*101*		*25 - 150*

Lab Sample ID: MB 320-689299/1-A
Matrix: Water
Analysis Batch: 690665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/10/23 11:42	07/15/23 13:23	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/10/23 11:42	07/15/23 13:23	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/10/23 11:42	07/15/23 13:23	1

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

Lab Sample ID: MB 320-689299/1-A
Matrix: Water
Analysis Batch: 690665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689299

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.43		2.0	0.43	ng/L		07/10/23 11:42	07/15/23 13:23	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/10/23 11:42	07/15/23 13:23	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/10/23 11:42	07/15/23 13:23	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/10/23 11:42	07/15/23 13:23	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/10/23 11:42	07/15/23 13:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/10/23 11:42	07/15/23 13:23	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/10/23 11:42	07/15/23 13:23	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/10/23 11:42	07/15/23 13:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/10/23 11:42	07/15/23 13:23	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/10/23 11:42	07/15/23 13:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/10/23 11:42	07/15/23 13:23	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/10/23 11:42	07/15/23 13:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C5 PFPeA	*81*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C2 PFHxA	*86*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C4 PFHpA	*89*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C4 PFOA	*85*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C5 PFNA	*87*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C2 PFDA	*87*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C2 PFUnA	*86*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C2 PFDoA	*80*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C2 PFTeDA	*87*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C3 PFBS	*81*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
18O2 PFHxS	*89*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C4 PFOS	*90*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C8 FOSA	*88*		*10 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
d9-N-EtFOSE-M	*80*		*10 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
M2-4:2 FTS	*86*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*
13C3 HFPO-DA	*85*		*25 - 150*	*07/10/23 11:42*	*07/15/23 13:23*	*1*

Lab Sample ID: LCS 320-689299/2-A
Matrix: Water
Analysis Batch: 690665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	43.0		ng/L		107	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	46.7		ng/L		117	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.8		ng/L		107	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	43.5		ng/L		109	60 - 135

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

Lab Sample ID: LCS 320-689299/2-A
Matrix: Water
Analysis Batch: 690665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689299

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid (PFOA)	40.0	45.2		ng/L		113	60 - 135
Perfluorononanoic acid (PFNA)	40.0	45.0		ng/L		112	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	44.3		ng/L		111	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	47.0		ng/L		117	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	46.4		ng/L		116	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	44.1		ng/L		110	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	39.9		ng/L		112	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	42.9		ng/L		114	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	38.9		ng/L		107	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.8		ng/L		102	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	39.7		ng/L		107	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	40.1		ng/L		104	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.3		ng/L		107	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	39.2		ng/L		101	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	42.2		ng/L		105	60 - 135
NEtFOSA	40.0	42.8		ng/L		107	60 - 135
NMeFOSA	40.0	45.2		ng/L		113	60 - 135
NMeFOSAA	40.0	40.4		ng/L		101	60 - 135
NEtFOSAA	40.0	42.9		ng/L		107	60 - 135
NMeFOSE	40.0	46.6		ng/L		117	60 - 135
NEtFOSE	40.0	44.8		ng/L		112	60 - 135
4:2 FTS	37.5	40.3		ng/L		108	60 - 135
6:2 FTS	38.1	38.9		ng/L		102	60 - 135
8:2 FTS	38.4	43.0		ng/L		112	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	42.5		ng/L		112	60 - 135
HFPO-DA (GenX)	40.0	45.2		ng/L		113	60 - 135
9Cl-PF3ONS	37.4	40.2		ng/L		107	60 - 135
11Cl-PF3OUdS	37.8	42.5		ng/L		113	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*88*		*25 - 150*
13C2 PFHxA	*95*		*25 - 150*
13C4 PFHpA	*93*		*25 - 150*
13C4 PFOA	*94*		*25 - 150*
13C5 PFNA	*91*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*

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

Lab Sample ID: LCS 320-689299/2-A
Matrix: Water
Analysis Batch: 690665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689299

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFUnA	89		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	88		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	94		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	92		25 - 150
d-N-MeFOSA-M	66		10 - 150
d-N-EtFOSA-M	69		10 - 150
d7-N-MeFOSE-M	73		10 - 150
d9-N-EtFOSE-M	78		10 - 150
M2-4:2 FTS	94		25 - 150
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	88		25 - 150
13C3 HFPO-DA	88		25 - 150

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

Lab Sample ID: MB 320-688432/1-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA) - RA	<2.4		5.0	2.4	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluoropentanoic acid (PFPeA) - RA	<0.49		2.0	0.49	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorohexanoic acid (PFHxA) - RA	<0.58		2.0	0.58	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluoroheptanoic acid (PFHpA) - RA	<0.25		2.0	0.25	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorooctanoic acid (PFOA) - RA	<0.85		2.0	0.85	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorononanoic acid (PFNA) - RA	<0.27		2.0	0.27	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorodecanoic acid (PFDA) - RA	<0.31		2.0	0.31	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluoroundecanoic acid (PFUnA) - RA	<1.1		2.0	1.1	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorododecanoic acid (PFDoA) - RA	<0.55		2.0	0.55	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorotridecanoic acid (PFTrDA) - RA	<1.3		2.0	1.3	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorotetradecanoic acid (PFTeA) - RA	<0.73		2.0	0.73	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorobutanesulfonic acid (PFBS) - RA	<0.20		2.0	0.20	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluoropentanesulfonic acid (PFPeS) - RA	<0.30		2.0	0.30	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorohexanesulfonic acid (PFHxS) - RA	<0.57		2.0	0.57	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluoroheptanesulfonic acid (PFHpS) - RA	<0.19		2.0	0.19	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorooctanesulfonic acid (PFOS) - RA	<0.54		2.0	0.54	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorononanesulfonic acid (PFNS) - RA	<0.37		2.0	0.37	ng/L		07/06/23 11:31	07/08/23 14:29	1

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

Lab Sample ID: MB 320-688432/1-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS) - RA	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 14:29	1
Perfluorooctanesulfonamide (FOSA) - RA	<0.98		2.0	0.98	ng/L		07/06/23 11:31	07/08/23 14:29	1
NEtFOSA - RA	<0.87		2.0	0.87	ng/L		07/06/23 11:31	07/08/23 14:29	1
NMeFOSA - RA	<0.43		2.0	0.43	ng/L		07/06/23 11:31	07/08/23 14:29	1
NMeFOSAA - RA	<1.2		5.0	1.2	ng/L		07/06/23 11:31	07/08/23 14:29	1
NEtFOSAA - RA	<1.3		5.0	1.3	ng/L		07/06/23 11:31	07/08/23 14:29	1
NMeFOSE - RA	<1.4		4.0	1.4	ng/L		07/06/23 11:31	07/08/23 14:29	1
NEtFOSE - RA	<0.85		2.0	0.85	ng/L		07/06/23 11:31	07/08/23 14:29	1
4:2 FTS - RA	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 14:29	1
6:2 FTS - RA	<2.5		5.0	2.5	ng/L		07/06/23 11:31	07/08/23 14:29	1
8:2 FTS - RA	<0.46		2.0	0.46	ng/L		07/06/23 11:31	07/08/23 14:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA	<0.40		2.0	0.40	ng/L		07/06/23 11:31	07/08/23 14:29	1
HFPO-DA (GenX) - RA	<1.5		4.0	1.5	ng/L		07/06/23 11:31	07/08/23 14:29	1
9Cl-PF3ONS - RA	<0.24		2.0	0.24	ng/L		07/06/23 11:31	07/08/23 14:29	1
11Cl-PF3OUdS - RA	<0.32		2.0	0.32	ng/L		07/06/23 11:31	07/08/23 14:29	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA - RA	*112*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C5 PFPeA - RA	*99*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C2 PFHxA - RA	*92*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C4 PFHpA - RA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C4 PFOA - RA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C5 PFNA - RA	*119*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C2 PFDA - RA	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C2 PFUnA - RA	*96*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C2 PFDoA - RA	*93*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C2 PFTeDA - RA	*87*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C3 PFBS - RA	*103*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
18O2 PFHxS - RA	*120*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C4 PFOS - RA	*122*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C8 FOSA - RA	*109*		*10 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d3-NMeFOSAA - RA	*105*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d5-NEtFOSAA - RA	*114*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d-N-MeFOSA-M - RA	*97*		*10 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d-N-EtFOSA-M - RA	*98*		*10 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d7-N-MeFOSE-M - RA	*111*		*10 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
d9-N-EtFOSE-M - RA	*109*		*10 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
M2-4:2 FTS - RA	*79*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
M2-6:2 FTS - RA	*94*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
M2-8:2 FTS - RA	*101*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*
13C3 HFPO-DA - RA	*108*		*25 - 150*	*07/06/23 11:31*	*07/08/23 14:29*	*1*

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

Lab Sample ID: LCS 320-688432/2-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA) - RA	40.0	39.3		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA) - RA	40.0	44.7		ng/L		112	60 - 135
Perfluorohexanoic acid (PFHxA) - RA	40.0	43.4		ng/L		109	60 - 135
Perfluoroheptanoic acid (PFHpA) - RA	40.0	43.6		ng/L		109	60 - 135
Perfluorooctanoic acid (PFOA) - RA	40.0	44.2		ng/L		111	60 - 135
Perfluorononanoic acid (PFNA) - RA	40.0	41.3		ng/L		103	60 - 135
Perfluorodecanoic acid (PFDA) - RA	40.0	39.8		ng/L		99	60 - 135
Perfluoroundecanoic acid (PFUnA) - RA	40.0	40.2		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA) - RA	40.0	40.3		ng/L		101	60 - 135
Perfluorotridecanoic acid (PFTrDA) - RA	40.0	42.1		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA) - RA	40.0	36.7		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS) - RA	35.5	37.6		ng/L		106	60 - 135
Perfluoropentanesulfonic acid (PFPeS) - RA	37.6	40.4		ng/L		108	60 - 135
Perfluorohexanesulfonic acid (PFHxS) - RA	36.5	34.1		ng/L		93	60 - 135
Perfluoroheptanesulfonic acid (PFHpS) - RA	38.2	41.2		ng/L		108	60 - 135
Perfluorooctanesulfonic acid (PFOS) - RA	37.2	34.8		ng/L		94	60 - 135
Perfluorononanesulfonic acid (PFNS) - RA	38.5	40.2		ng/L		104	60 - 135
Perfluorodecanesulfonic acid (PFDS) - RA	38.6	33.3		ng/L		86	60 - 135
Perfluorooctanesulfonamide (FOSA) - RA	40.0	41.1		ng/L		103	60 - 135
NEtFOSA - RA	40.0	42.2		ng/L		106	60 - 135
NMeFOSA - RA	40.0	41.7		ng/L		104	60 - 135
NMeFOSAA - RA	40.0	39.5		ng/L		99	60 - 135
NEtFOSAA - RA	40.0	43.5		ng/L		109	60 - 135
NMeFOSE - RA	40.0	43.1		ng/L		108	60 - 135
NEtFOSE - RA	40.0	42.4		ng/L		106	60 - 135
4:2 FTS - RA	37.5	33.7		ng/L		90	60 - 135
6:2 FTS - RA	38.1	32.0		ng/L		84	60 - 135
8:2 FTS - RA	38.4	38.7		ng/L		101	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA	37.8	30.5		ng/L		81	60 - 135
HFPO-DA (GenX) - RA	40.0	40.2		ng/L		100	60 - 135
9Cl-PF3ONS - RA	37.4	30.3		ng/L		81	60 - 135
11Cl-PF3OUdS - RA	37.8	31.3		ng/L		83	60 - 135

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

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA - RA	108		25 - 150
13C5 PFPeA - RA	96		25 - 150
13C2 PFHxA - RA	94		25 - 150
13C4 PFHpA - RA	91		25 - 150
13C4 PFOA - RA	92		25 - 150
13C5 PFNA - RA	114		25 - 150
13C2 PFDA - RA	103		25 - 150
13C2 PFUnA - RA	92		25 - 150
13C2 PFDoA - RA	91		25 - 150
13C2 PFTeDA - RA	92		25 - 150
13C3 PFBS - RA	99		25 - 150
18O2 PFHxS - RA	119		25 - 150
13C4 PFOS - RA	117		25 - 150
13C8 FOSA - RA	107		10 - 150
d3-NMeFOSAA - RA	106		25 - 150
d5-NEtFOSAA - RA	108		25 - 150
d-N-MeFOSA-M - RA	95		10 - 150
d-N-EtFOSA-M - RA	99		10 - 150
d7-N-MeFOSE-M - RA	101		10 - 150
d9-N-EtFOSE-M - RA	102		10 - 150
M2-4:2 FTS - RA	91		25 - 150
M2-6:2 FTS - RA	95		25 - 150
M2-8:2 FTS - RA	91		25 - 150
13C3 HFPO-DA - RA	104		25 - 150

Lab Sample ID: LCSD 320-688432/3-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688432

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA) - RA			40.0	40.1		ng/L		100	60 - 135	2	30
Perfluoropentanoic acid (PFPeA) - RA			40.0	39.9		ng/L		100	60 - 135	11	30
Perfluorohexanoic acid (PFHxA) - RA			40.0	39.9		ng/L		100	60 - 135	8	30
Perfluoroheptanoic acid (PFHpA) - RA			40.0	40.8		ng/L		102	60 - 135	7	30
Perfluorooctanoic acid (PFOA) - RA			40.0	42.0		ng/L		105	60 - 135	5	30
Perfluorononanoic acid (PFNA) - RA			40.0	41.4		ng/L		104	60 - 135	0	30
Perfluorodecanoic acid (PFDA) - RA			40.0	39.5		ng/L		99	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA) - RA			40.0	41.6		ng/L		104	60 - 135	3	30
Perfluorododecanoic acid (PFDoA) - RA			40.0	45.0		ng/L		112	60 - 135	11	30
Perfluorotridecanoic acid (PFTrDA) - RA			40.0	44.0		ng/L		110	60 - 135	4	30
Perfluorotetradecanoic acid (PFTeA) - RA			40.0	39.8		ng/L		100	60 - 135	8	30
Perfluorobutanesulfonic acid (PFBS) - RA			35.5	37.1		ng/L		104	60 - 135	1	30

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

Lab Sample ID: LCSD 320-688432/3-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688432

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanesulfonic acid (PFPeS) - RA			37.6	37.6		ng/L		100	60 - 135	7	30
Perfluorohexanesulfonic acid (PFHxS) - RA			36.5	33.7		ng/L		92	60 - 135	1	30
Perfluoroheptanesulfonic acid (PFHpS) - RA			38.2	37.7		ng/L		99	60 - 135	9	30
Perfluorooctanesulfonic acid (PFOS) - RA			37.2	32.5		ng/L		87	60 - 135	7	30
Perfluorononanesulfonic acid (PFNS) - RA			38.5	37.2		ng/L		97	60 - 135	8	30
Perfluorodecanesulfonic acid (PFDS) - RA			38.6	32.9		ng/L		85	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA) - RA			40.0	39.1		ng/L		98	60 - 135	5	30
NEtFOSA - RA			40.0	43.3		ng/L		108	60 - 135	2	30
NMeFOSA - RA			40.0	40.0		ng/L		100	60 - 135	4	30
NMeFOSAA - RA			40.0	41.8		ng/L		104	60 - 135	6	30
NEtFOSAA - RA			40.0	41.7		ng/L		104	60 - 135	4	30
NMeFOSE - RA			40.0	39.7		ng/L		99	60 - 135	8	30
NEtFOSE - RA			40.0	42.6		ng/L		106	60 - 135	0	30
4:2 FTS - RA			37.5	36.6		ng/L		98	60 - 135	8	30
6:2 FTS - RA			38.1	34.8		ng/L		91	60 - 135	8	30
8:2 FTS - RA			38.4	35.2		ng/L		92	60 - 135	10	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA) - RA			37.8	30.6		ng/L		81	60 - 135	0	30
HFPO-DA (GenX) - RA			40.0	38.0		ng/L		95	60 - 135	6	30
9Cl-PF3ONS - RA			37.4	29.0		ng/L		78	60 - 135	4	30
11Cl-PF3OUdS - RA			37.8	30.3		ng/L		80	60 - 135	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA - RA	*89*		*25 - 150*
13C5 PFPeA - RA	*85*		*25 - 150*
13C2 PFHxA - RA	*81*		*25 - 150*
13C4 PFHpA - RA	*78*		*25 - 150*
13C4 PFOA - RA	*78*		*25 - 150*
13C5 PFNA - RA	*94*		*25 - 150*
13C2 PFDA - RA	*83*		*25 - 150*
13C2 PFUnA - RA	*76*		*25 - 150*
13C2 PFDoA - RA	*70*		*25 - 150*
13C2 PFTeDA - RA	*73*		*25 - 150*
13C3 PFBS - RA	*86*		*25 - 150*
18O2 PFHxS - RA	*97*		*25 - 150*
13C4 PFOS - RA	*98*		*25 - 150*
13C8 FOSA - RA	*91*		*10 - 150*
d3-NMeFOSAA - RA	*83*		*25 - 150*
d5-NEtFOSAA - RA	*91*		*25 - 150*
d-N-MeFOSA-M - RA	*79*		*10 - 150*
d-N-EtFOSA-M - RA	*76*		*10 - 150*
d7-N-MeFOSE-M - RA	*93*		*10 - 150*
d9-N-EtFOSE-M - RA	*86*		*10 - 150*
M2-4:2 FTS - RA	*69*		*25 - 150*

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

Lab Sample ID: LCSD 320-688432/3-A
Matrix: Water
Analysis Batch: 689161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688432

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-6:2 FTS - RA	70		25 - 150
M2-8:2 FTS - RA	76		25 - 150
13C3 HFPO-DA - RA	88		25 - 150

LCMS

Prep Batch: 688180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-45	MP-08-(115-152)-202306	Total/NA	Water	3535	
320-101519-46	MP-08-(80-112)-202306	Total/NA	Water	3535	
320-101519-47	MP-08-(48-77)-202306	Total/NA	Water	3535	
320-101519-48	DUP-01-202306	Total/NA	Water	3535	
320-101519-49 - DL	DUP-02-202306	Total/NA	Water	3535	
320-101519-49	DUP-02-202306	Total/NA	Water	3535	
320-101519-50	DUP-03-202306	Total/NA	Water	3535	
320-101519-51	DUP-04-202306	Total/NA	Water	3535	
320-101519-51 - DL	DUP-04-202306	Total/NA	Water	3535	
320-101519-52	DUP-05-202306	Total/NA	Water	3535	
320-101519-53	DUP-06-202306	Total/NA	Water	3535	
320-101519-54	DUP-07-202306	Total/NA	Water	3535	
320-101519-55	DUP-08-202306	Total/NA	Water	3535	
320-101519-56	FB-01-202306	Total/NA	Water	3535	
320-101519-57	EB-01-202306	Total/NA	Water	3535	
320-101519-58	EB-02-202306	Total/NA	Water	3535	
320-101519-59	EB-03-202306	Total/NA	Water	3535	
320-101519-60	EB-04-202306	Total/NA	Water	3535	
320-101519-61	EB-05-202306	Total/NA	Water	3535	
320-101519-62	EB-06-202306	Total/NA	Water	3535	
320-101519-63	EB-07-202306	Total/NA	Water	3535	
320-101519-64	EB-08-202306	Total/NA	Water	3535	
MB 320-688180/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-688180/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688180/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 688432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-14	MP-03-(280-300)-202306	Total/NA	Water	3535	
320-101519-14 - RA	MP-03-(280-300)-202306	Total/NA	Water	3535	
320-101519-15	MP-03-(245-277)-202306	Total/NA	Water	3535	
320-101519-15 - RA	MP-03-(245-277)-202306	Total/NA	Water	3535	
320-101519-16	MP-03-(220-242)-202306	Total/NA	Water	3535	
320-101519-16 - RA	MP-03-(220-242)-202306	Total/NA	Water	3535	
320-101519-17	MP-03-(190-217)-202306	Total/NA	Water	3535	
320-101519-17 - RA	MP-03-(190-217)-202306	Total/NA	Water	3535	
320-101519-18	MP-03-(160-187)-202306	Total/NA	Water	3535	
320-101519-18 - RA	MP-03-(160-187)-202306	Total/NA	Water	3535	
320-101519-19	MP-03-(120-157)-202306	Total/NA	Water	3535	
320-101519-19 - RA	MP-03-(120-157)-202306	Total/NA	Water	3535	
320-101519-20	MP-03-(083-117)-202306	Total/NA	Water	3535	
320-101519-20 - RA	MP-03-(083-117)-202306	Total/NA	Water	3535	
320-101519-21	MP-03-(046-080)-202306	Total/NA	Water	3535	
320-101519-21 - RA	MP-03-(046-080)-202306	Total/NA	Water	3535	
320-101519-22	MP-04-(275-291)-202306	Total/NA	Water	3535	
320-101519-22 - RA	MP-04-(275-291)-202306	Total/NA	Water	3535	
320-101519-23	MP-04-(245-272)-202306	Total/NA	Water	3535	
320-101519-23 - RA	MP-04-(245-272)-202306	Total/NA	Water	3535	
320-101519-24	MP-04-(220-242)-202306	Total/NA	Water	3535	
320-101519-24 - RA	MP-04-(220-242)-202306	Total/NA	Water	3535	
320-101519-25	MP-04-(195-217)-202306	Total/NA	Water	3535	

LCMS (Continued)

Prep Batch: 688432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-25 - RA	MP-04-(195-217)-202306	Total/NA	Water	3535	
MB 320-688432/1-A	Method Blank	Total/NA	Water	3535	
MB 320-688432/1-A - RA	Method Blank	Total/NA	Water	3535	
LCS 320-688432/2-A	Lab Control Sample	Total/NA	Water	3535	
LCS 320-688432/2-A - RA	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688432/3-A	Lab Control Sample Dup	Total/NA	Water	3535	
LCSD 320-688432/3-A - RA	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 688434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-26	MP-04-(155-192)-202306	Total/NA	Water	3535	
320-101519-26 - DL	MP-04-(155-192)-202306	Total/NA	Water	3535	
320-101519-27 - DL	MP-04-(115-152)-202306	Total/NA	Water	3535	
320-101519-27	MP-04-(115-152)-202306	Total/NA	Water	3535	
320-101519-28 - DL	MP-04-(080-112)-202306	Total/NA	Water	3535	
320-101519-28	MP-04-(080-112)-202306	Total/NA	Water	3535	
320-101519-29	MP-04-(048-077)-202306	Total/NA	Water	3535	
320-101519-30	MP-05-(SWL-065)-202306	Total/NA	Water	3535	
320-101519-31	MP-06-(148-178)-202306	Total/NA	Water	3535	
320-101519-32	MP-06-(113-145)-202306	Total/NA	Water	3535	
320-101519-33	MP-06-(73-110)-202306	Total/NA	Water	3535	
320-101519-34	MP-06-(36-70)-202306	Total/NA	Water	3535	
320-101519-35	MP-06-(21-33)-202306	Total/NA	Water	3535	
320-101519-36	MP-07-(220-258)-202306	Total/NA	Water	3535	
320-101519-37	MP-07-(195-217)-202306	Total/NA	Water	3535	
MB 320-688434/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-688434/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688434/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 688436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-1	MP-01-(277-293)-202306	Total/NA	Water	3535	
320-101519-2	MP-01-(253-274)-202306	Total/NA	Water	3535	
320-101519-3	MP-01-(223-250)-202306	Total/NA	Water	3535	
320-101519-4	MP-01-(198-220)-202306	Total/NA	Water	3535	
320-101519-5 - DL	MP-01-(155-195)-202306	Total/NA	Water	3535	
320-101519-5	MP-01-(155-195)-202306	Total/NA	Water	3535	
320-101519-6	MP-01-(121-152)-202306	Total/NA	Water	3535	
320-101519-6 - DL	MP-01-(121-152)-202306	Total/NA	Water	3535	
320-101519-7 - DL2	MP-01-(091-118)-202306	Total/NA	Water	3535	
320-101519-7 - DL	MP-01-(091-118)-202306	Total/NA	Water	3535	
320-101519-7	MP-01-(091-118)-202306	Total/NA	Water	3535	
320-101519-8 - DL2	MP-01-(051-088)-202306	Total/NA	Water	3535	
320-101519-8 - DL	MP-01-(051-088)-202306	Total/NA	Water	3535	
320-101519-8	MP-01-(051-088)-202306	Total/NA	Water	3535	
320-101519-9	MP-02-(279-300)-202306	Total/NA	Water	3535	
320-101519-10	MP-02-(253-276)-202306	Total/NA	Water	3535	
320-101519-11	MP-02-(223-250)-202306	Total/NA	Water	3535	
320-101519-12	MP-02-(198-220)-202306	Total/NA	Water	3535	
320-101519-12 - DL	MP-02-(198-220)-202306	Total/NA	Water	3535	
320-101519-13	MP-02-(153-195)-202306	Total/NA	Water	3535	

LCMS (Continued)

Prep Batch: 688436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-13 - DL	MP-02-(153-195)-202306	Total/NA	Water	3535	
MB 320-688436/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-688436/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688436/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 688626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-38	MP-07-(155-192)-202306	Total/NA	Water	3535	
320-101519-39 - DL	MP-07-(115-152)-202306	Total/NA	Water	3535	
320-101519-39	MP-07-(115-152)-202306	Total/NA	Water	3535	
320-101519-40	MP-07-(80-112)-202306	Total/NA	Water	3535	
320-101519-41	MP-07-(48-77)-202306	Total/NA	Water	3535	
320-101519-42	MP-08-(220-246)-202306	Total/NA	Water	3535	
320-101519-43	MP-08-(195-217)-202306	Total/NA	Water	3535	
MB 320-688626/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-688626/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688626/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 688646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-45	MP-08-(115-152)-202306	Total/NA	Water	537 (modified)	688180
320-101519-46	MP-08-(80-112)-202306	Total/NA	Water	537 (modified)	688180
320-101519-47	MP-08-(48-77)-202306	Total/NA	Water	537 (modified)	688180
320-101519-48	DUP-01-202306	Total/NA	Water	537 (modified)	688180
320-101519-49	DUP-02-202306	Total/NA	Water	537 (modified)	688180
320-101519-50	DUP-03-202306	Total/NA	Water	537 (modified)	688180
320-101519-51	DUP-04-202306	Total/NA	Water	537 (modified)	688180
320-101519-52	DUP-05-202306	Total/NA	Water	537 (modified)	688180
320-101519-53	DUP-06-202306	Total/NA	Water	537 (modified)	688180
320-101519-54	DUP-07-202306	Total/NA	Water	537 (modified)	688180
320-101519-55	DUP-08-202306	Total/NA	Water	537 (modified)	688180
320-101519-56	FB-01-202306	Total/NA	Water	537 (modified)	688180
320-101519-57	EB-01-202306	Total/NA	Water	537 (modified)	688180
320-101519-58	EB-02-202306	Total/NA	Water	537 (modified)	688180
320-101519-59	EB-03-202306	Total/NA	Water	537 (modified)	688180
320-101519-60	EB-04-202306	Total/NA	Water	537 (modified)	688180
320-101519-61	EB-05-202306	Total/NA	Water	537 (modified)	688180
320-101519-62	EB-06-202306	Total/NA	Water	537 (modified)	688180
320-101519-63	EB-07-202306	Total/NA	Water	537 (modified)	688180
320-101519-64	EB-08-202306	Total/NA	Water	537 (modified)	688180
MB 320-688180/1-A	Method Blank	Total/NA	Water	537 (modified)	688180
LCS 320-688180/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688180
LCSD 320-688180/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688180

Analysis Batch: 688914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-14	MP-03-(280-300)-202306	Total/NA	Water	537 (modified)	688432
320-101519-15	MP-03-(245-277)-202306	Total/NA	Water	537 (modified)	688432
320-101519-16	MP-03-(220-242)-202306	Total/NA	Water	537 (modified)	688432
320-101519-17	MP-03-(190-217)-202306	Total/NA	Water	537 (modified)	688432
320-101519-18	MP-03-(160-187)-202306	Total/NA	Water	537 (modified)	688432

LCMS (Continued)

Analysis Batch: 688914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-19	MP-03-(120-157)-202306	Total/NA	Water	537 (modified)	688432
320-101519-20	MP-03-(083-117)-202306	Total/NA	Water	537 (modified)	688432
320-101519-21	MP-03-(046-080)-202306	Total/NA	Water	537 (modified)	688432
320-101519-22	MP-04-(275-291)-202306	Total/NA	Water	537 (modified)	688432
320-101519-23	MP-04-(245-272)-202306	Total/NA	Water	537 (modified)	688432
320-101519-24	MP-04-(220-242)-202306	Total/NA	Water	537 (modified)	688432
320-101519-25	MP-04-(195-217)-202306	Total/NA	Water	537 (modified)	688432
MB 320-688432/1-A	Method Blank	Total/NA	Water	537 (modified)	688432
LCS 320-688432/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688432
LCSD 320-688432/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688432

Analysis Batch: 689161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-14 - RA	MP-03-(280-300)-202306	Total/NA	Water	537 (modified)	688432
320-101519-15 - RA	MP-03-(245-277)-202306	Total/NA	Water	537 (modified)	688432
320-101519-16 - RA	MP-03-(220-242)-202306	Total/NA	Water	537 (modified)	688432
320-101519-17 - RA	MP-03-(190-217)-202306	Total/NA	Water	537 (modified)	688432
320-101519-18 - RA	MP-03-(160-187)-202306	Total/NA	Water	537 (modified)	688432
320-101519-19 - RA	MP-03-(120-157)-202306	Total/NA	Water	537 (modified)	688432
320-101519-20 - RA	MP-03-(083-117)-202306	Total/NA	Water	537 (modified)	688432
320-101519-21 - RA	MP-03-(046-080)-202306	Total/NA	Water	537 (modified)	688432
320-101519-22 - RA	MP-04-(275-291)-202306	Total/NA	Water	537 (modified)	688432
320-101519-23 - RA	MP-04-(245-272)-202306	Total/NA	Water	537 (modified)	688432
320-101519-24 - RA	MP-04-(220-242)-202306	Total/NA	Water	537 (modified)	688432
320-101519-25 - RA	MP-04-(195-217)-202306	Total/NA	Water	537 (modified)	688432
MB 320-688432/1-A - RA	Method Blank	Total/NA	Water	537 (modified)	688432
LCS 320-688432/2-A - RA	Lab Control Sample	Total/NA	Water	537 (modified)	688432
LCSD 320-688432/3-A - RA	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688432

Prep Batch: 689299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-44	MP-08-(155-192)-202306	Total/NA	Water	3535	
MB 320-689299/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-689299/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 689407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-49 - DL	DUP-02-202306	Total/NA	Water	537 (modified)	688180
320-101519-51 - DL	DUP-04-202306	Total/NA	Water	537 (modified)	688180

Analysis Batch: 689914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-39 - DL	MP-07-(115-152)-202306	Total/NA	Water	537 (modified)	688626

Analysis Batch: 689958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-38	MP-07-(155-192)-202306	Total/NA	Water	537 (modified)	688626
320-101519-39	MP-07-(115-152)-202306	Total/NA	Water	537 (modified)	688626
320-101519-40	MP-07-(80-112)-202306	Total/NA	Water	537 (modified)	688626
320-101519-41	MP-07-(48-77)-202306	Total/NA	Water	537 (modified)	688626
320-101519-42	MP-08-(220-246)-202306	Total/NA	Water	537 (modified)	688626

LCMS (Continued)

Analysis Batch: 689958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-43	MP-08-(195-217)-202306	Total/NA	Water	537 (modified)	688626
MB 320-688626/1-A	Method Blank	Total/NA	Water	537 (modified)	688626
LCS 320-688626/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688626
LCSD 320-688626/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688626

Analysis Batch: 690665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-44	MP-08-(155-192)-202306	Total/NA	Water	537 (modified)	689299
MB 320-689299/1-A	Method Blank	Total/NA	Water	537 (modified)	689299
LCS 320-689299/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	689299

Analysis Batch: 690843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-26 - DL	MP-04-(155-192)-202306	Total/NA	Water	537 (modified)	688434
320-101519-26	MP-04-(155-192)-202306	Total/NA	Water	537 (modified)	688434
320-101519-27 - DL	MP-04-(115-152)-202306	Total/NA	Water	537 (modified)	688434
320-101519-27	MP-04-(115-152)-202306	Total/NA	Water	537 (modified)	688434
320-101519-28 - DL	MP-04-(080-112)-202306	Total/NA	Water	537 (modified)	688434
320-101519-28	MP-04-(080-112)-202306	Total/NA	Water	537 (modified)	688434
320-101519-29	MP-04-(048-077)-202306	Total/NA	Water	537 (modified)	688434
320-101519-30	MP-05-(SWL-065)-202306	Total/NA	Water	537 (modified)	688434
320-101519-31	MP-06-(148-178)-202306	Total/NA	Water	537 (modified)	688434
320-101519-32	MP-06-(113-145)-202306	Total/NA	Water	537 (modified)	688434
320-101519-33	MP-06-(73-110)-202306	Total/NA	Water	537 (modified)	688434
320-101519-34	MP-06-(36-70)-202306	Total/NA	Water	537 (modified)	688434
320-101519-35	MP-06-(21-33)-202306	Total/NA	Water	537 (modified)	688434
320-101519-36	MP-07-(220-258)-202306	Total/NA	Water	537 (modified)	688434
MB 320-688434/1-A	Method Blank	Total/NA	Water	537 (modified)	688434
LCS 320-688434/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688434
LCSD 320-688434/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688434

Analysis Batch: 690967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-1	MP-01-(277-293)-202306	Total/NA	Water	537 (modified)	688436
320-101519-2	MP-01-(253-274)-202306	Total/NA	Water	537 (modified)	688436
320-101519-3	MP-01-(223-250)-202306	Total/NA	Water	537 (modified)	688436
320-101519-4	MP-01-(198-220)-202306	Total/NA	Water	537 (modified)	688436
320-101519-5	MP-01-(155-195)-202306	Total/NA	Water	537 (modified)	688436
320-101519-5 - DL	MP-01-(155-195)-202306	Total/NA	Water	537 (modified)	688436
320-101519-6	MP-01-(121-152)-202306	Total/NA	Water	537 (modified)	688436
320-101519-6 - DL	MP-01-(121-152)-202306	Total/NA	Water	537 (modified)	688436
320-101519-7	MP-01-(091-118)-202306	Total/NA	Water	537 (modified)	688436
320-101519-7 - DL	MP-01-(091-118)-202306	Total/NA	Water	537 (modified)	688436
320-101519-8	MP-01-(051-088)-202306	Total/NA	Water	537 (modified)	688436
320-101519-8 - DL	MP-01-(051-088)-202306	Total/NA	Water	537 (modified)	688436
320-101519-9	MP-02-(279-300)-202306	Total/NA	Water	537 (modified)	688436
320-101519-10	MP-02-(253-276)-202306	Total/NA	Water	537 (modified)	688436
320-101519-11	MP-02-(223-250)-202306	Total/NA	Water	537 (modified)	688436
320-101519-12	MP-02-(198-220)-202306	Total/NA	Water	537 (modified)	688436
320-101519-12 - DL	MP-02-(198-220)-202306	Total/NA	Water	537 (modified)	688436
320-101519-13	MP-02-(153-195)-202306	Total/NA	Water	537 (modified)	688436

LCMS (Continued)

Analysis Batch: 690967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-13 - DL	MP-02-(153-195)-202306	Total/NA	Water	537 (modified)	688436
MB 320-688436/1-A	Method Blank	Total/NA	Water	537 (modified)	688436
LCS 320-688436/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688436
LCSD 320-688436/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688436

Analysis Batch: 691358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-37	MP-07-(195-217)-202306	Total/NA	Water	537 (modified)	688434

Analysis Batch: 692060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101519-7 - DL2	MP-01-(091-118)-202306	Total/NA	Water	537 (modified)	688436
320-101519-8 - DL2	MP-01-(051-088)-202306	Total/NA	Water	537 (modified)	688436

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(277-293)-202306
Date Collected: 06/14/23 09:00
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.4 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 13:14	S1M	EET SAC

Client Sample ID: MP-01-(253-274)-202306
Date Collected: 06/14/23 09:15
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.4 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 13:25	S1M	EET SAC

Client Sample ID: MP-01-(223-250)-202306
Date Collected: 06/14/23 09:29
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-3
Matrix: Water

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	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 13:35	S1M	EET SAC

Client Sample ID: MP-01-(198-220)-202306
Date Collected: 06/14/23 09:51
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.7 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:06	S1M	EET SAC

Client Sample ID: MP-01-(155-195)-202306
Date Collected: 06/14/23 10:07
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			225.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:16	S1M	EET SAC
Total/NA	Prep	3535	DL		225.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	690967	07/15/23 16:09	S1M	EET SAC

Client Sample ID: MP-01-(121-152)-202306
Date Collected: 06/14/23 10:19
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			225.2 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:26	S1M	EET SAC
Total/NA	Prep	3535	DL		225.2 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	690967	07/15/23 16:19	S1M	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-01-(091-118)-202306
Date Collected: 06/14/23 10:33
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			239.4 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:36	S1M	EET SAC
Total/NA	Prep	3535	DL		239.4 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	690967	07/15/23 16:29	S1M	EET SAC
Total/NA	Prep	3535	DL2		239.4 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL2	100	1 mL	1 mL	692060	07/19/23 15:03	K1S	EET SAC

Client Sample ID: MP-01-(051-088)-202306
Date Collected: 06/14/23 10:45
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			221.5 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:47	S1M	EET SAC
Total/NA	Prep	3535	DL		221.5 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	690967	07/15/23 16:40	S1M	EET SAC
Total/NA	Prep	3535	DL2		221.5 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL2	100	1 mL	1 mL	692060	07/19/23 15:13	K1S	EET SAC

Client Sample ID: MP-02-(279-300)-202306
Date Collected: 06/13/23 13:35
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 14:57	S1M	EET SAC

Client Sample ID: MP-02-(253-276)-202306
Date Collected: 06/13/23 13:48
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 15:07	S1M	EET SAC

Client Sample ID: MP-02-(223-250)-202306
Date Collected: 06/13/23 14:02
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 15:18	S1M	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-02-(198-220)-202306
Lab Sample ID: 320-101519-12
Date Collected: 06/13/23 14:16
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.5 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 15:28	S1M	EET SAC
Total/NA	Prep	3535	DL		250.5 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	690967	07/15/23 16:50	S1M	EET SAC

Client Sample ID: MP-02-(153-195)-202306
Lab Sample ID: 320-101519-13
Date Collected: 06/13/23 14:35
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690967	07/15/23 15:38	S1M	EET SAC
Total/NA	Prep	3535	DL		249.1 mL	10.0 mL	688436	07/06/23 11:50	JS	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	690967	07/15/23 17:00	S1M	EET SAC

Client Sample ID: MP-03-(280-300)-202306
Lab Sample ID: 320-101519-14
Date Collected: 06/13/23 10:26
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 06:22	C1P	EET SAC
Total/NA	Prep	3535	RA		264.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:00	K1S	EET SAC

Client Sample ID: MP-03-(245-277)-202306
Lab Sample ID: 320-101519-15
Date Collected: 06/13/23 10:42
Matrix: Water
Date Received: 06/15/23 09:10

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 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 06:33	C1P	EET SAC
Total/NA	Prep	3535	RA		252 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:10	K1S	EET SAC

Client Sample ID: MP-03-(220-242)-202306
Lab Sample ID: 320-101519-16
Date Collected: 06/13/23 10:57
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232.4 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 06:43	C1P	EET SAC
Total/NA	Prep	3535	RA		232.4 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:21	K1S	EET SAC

Client Sample ID: MP-03-(190-217)-202306
Date Collected: 06/13/23 11:12
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.8 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 06:53	C1P	EET SAC
Total/NA	Prep	3535	RA		251.8 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:31	K1S	EET SAC

Client Sample ID: MP-03-(160-187)-202306
Date Collected: 06/13/23 11:31
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.9 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 07:04	C1P	EET SAC
Total/NA	Prep	3535	RA		264.9 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:41	K1S	EET SAC

Client Sample ID: MP-03-(120-157)-202306
Date Collected: 06/13/23 11:50
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227.5 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 07:14	C1P	EET SAC
Total/NA	Prep	3535	RA		227.5 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 15:51	K1S	EET SAC

Client Sample ID: MP-03-(083-117)-202306
Date Collected: 06/13/23 12:06
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.6 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 07:24	C1P	EET SAC
Total/NA	Prep	3535	RA		263.6 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 16:02	K1S	EET SAC

Client Sample ID: MP-03-(046-080)-202306
Date Collected: 06/13/23 12:20
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			240.3 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 07:55	C1P	EET SAC
Total/NA	Prep	3535	RA		240.3 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 16:32	K1S	EET SAC

Client Sample ID: MP-04-(275-291)-202306

Lab Sample ID: 320-101519-22

Date Collected: 06/12/23 14:56

Matrix: Water

Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 08:05	C1P	EET SAC
Total/NA	Prep	3535	RA		255.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 16:43	K1S	EET SAC

Client Sample ID: MP-04-(245-272)-202306

Lab Sample ID: 320-101519-23

Date Collected: 06/12/23 15:17

Matrix: Water

Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 08:15	C1P	EET SAC
Total/NA	Prep	3535	RA		252.7 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 16:53	K1S	EET SAC

Client Sample ID: MP-04-(220-242)-202306

Lab Sample ID: 320-101519-24

Date Collected: 06/12/23 15:28

Matrix: Water

Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 08:26	C1P	EET SAC
Total/NA	Prep	3535	RA		253 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 17:03	K1S	EET SAC

Client Sample ID: MP-04-(195-217)-202306

Lab Sample ID: 320-101519-25

Date Collected: 06/12/23 15:42

Matrix: Water

Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			234.4 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688914	07/08/23 08:36	C1P	EET SAC
Total/NA	Prep	3535	RA		234.4 mL	10.0 mL	688432	07/06/23 11:31	BLR	EET SAC
Total/NA	Analysis	537 (modified)	RA	1	1 mL	1 mL	689161	07/08/23 17:13	K1S	EET SAC

Client Sample ID: MP-04-(155-192)-202306

Lab Sample ID: 320-101519-26

Date Collected: 06/12/23 15:48

Matrix: Water

Date Received: 06/15/23 09:10

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		250 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	690843	07/15/23 03:51	C1P	EET SAC
Total/NA	Prep	3535			250 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 04:24	C1P	EET SAC

Client Sample ID: MP-04-(115-152)-202306
Date Collected: 06/12/23 16:05
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		247.4 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	690843	07/15/23 04:02	C1P	EET SAC
Total/NA	Prep	3535			247.4 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 04:36	C1P	EET SAC

Client Sample ID: MP-04-(080-112)-202306
Date Collected: 06/12/23 16:16
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-28
Matrix: Water

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		230 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	690843	07/15/23 04:13	C1P	EET SAC
Total/NA	Prep	3535			230 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 04:47	C1P	EET SAC

Client Sample ID: MP-04-(048-077)-202306
Date Collected: 06/12/23 16:26
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			209.4 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 01:48	C1P	EET SAC

Client Sample ID: MP-05-(SWL-065)-202306
Date Collected: 06/12/23 14:03
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232.6 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 01:59	C1P	EET SAC

Client Sample ID: MP-06-(148-178)-202306
Date Collected: 06/13/23 08:29
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.9 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 02:10	C1P	EET SAC

Client Sample ID: MP-06-(113-145)-202306
Date Collected: 06/13/23 08:43
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			237.3 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 02:21	C1P	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-06-(73-110)-202306
Lab Sample ID: 320-101519-33
Date Collected: 06/13/23 09:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			228 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 02:32	C1P	EET SAC

Client Sample ID: MP-06-(36-70)-202306
Lab Sample ID: 320-101519-34
Date Collected: 06/13/23 09:12
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			227 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 02:44	C1P	EET SAC

Client Sample ID: MP-06-(21-33)-202306
Lab Sample ID: 320-101519-35
Date Collected: 06/13/23 09:33
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			222.8 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 02:55	C1P	EET SAC

Client Sample ID: MP-07-(220-258)-202306
Lab Sample ID: 320-101519-36
Date Collected: 06/12/23 12:05
Matrix: Water
Date Received: 06/15/23 09:10

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 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690843	07/15/23 03:29	C1P	EET SAC

Client Sample ID: MP-07-(195-217)-202306
Lab Sample ID: 320-101519-37
Date Collected: 06/12/23 12:17
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.1 mL	10.0 mL	688434	07/06/23 11:41	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	691358	07/17/23 15:39	D1R	EET SAC

Client Sample ID: MP-07-(155-192)-202306
Lab Sample ID: 320-101519-38
Date Collected: 06/12/23 12:37
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.2 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 11:51	K1S	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-07-(115-152)-202306
Date Collected: 06/12/23 12:55
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-39
Matrix: Water

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		246.4 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	689914	07/11/23 15:47	K1S	EET SAC
Total/NA	Prep	3535			246.4 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 12:01	K1S	EET SAC

Client Sample ID: MP-07-(80-112)-202306
Date Collected: 06/12/23 13:07
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-40
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			239 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 12:12	K1S	EET SAC

Client Sample ID: MP-07-(48-77)-202306
Date Collected: 06/12/23 13:20
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-41
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			209.9 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 12:22	K1S	EET SAC

Client Sample ID: MP-08-(220-246)-202306
Date Collected: 06/12/23 10:06
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-42
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			242.9 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 12:32	K1S	EET SAC

Client Sample ID: MP-08-(195-217)-202306
Date Collected: 06/12/23 10:27
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-43
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			226.6 mL	10.0 mL	688626	07/07/23 05:30	FXY	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	689958	07/12/23 12:42	K1S	EET SAC

Client Sample ID: MP-08-(155-192)-202306
Date Collected: 06/12/23 10:48
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101519-44
Matrix: Water

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	689299	07/10/23 11:42	BLR	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690665	07/15/23 16:06	S1M	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: MP-08-(115-152)-202306
Lab Sample ID: 320-101519-45
Date Collected: 06/12/23 11:08
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			245.6 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 20:58	K1S	EET SAC

Client Sample ID: MP-08-(80-112)-202306
Lab Sample ID: 320-101519-46
Date Collected: 06/12/23 11:18
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.4 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 21:08	K1S	EET SAC

Client Sample ID: MP-08-(48-77)-202306
Lab Sample ID: 320-101519-47
Date Collected: 06/12/23 11:28
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.9 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 21:19	K1S	EET SAC

Client Sample ID: DUP-01-202306
Lab Sample ID: 320-101519-48
Date Collected: 06/14/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.6 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 21:29	K1S	EET SAC

Client Sample ID: DUP-02-202306
Lab Sample ID: 320-101519-49
Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 21:39	K1S	EET SAC
Total/NA	Prep	3535	DL		233.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	689407	07/10/23 22:55	K1S	EET SAC

Client Sample ID: DUP-03-202306
Lab Sample ID: 320-101519-50
Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			248.4 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 21:49	K1S	EET SAC

Client Sample ID: DUP-04-202306
Lab Sample ID: 320-101519-51
Date Collected: 06/12/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 22:00	K1S	EET SAC
Total/NA	Prep	3535	DL		246.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	689407	07/10/23 23:05	K1S	EET SAC

Client Sample ID: DUP-05-202306
Lab Sample ID: 320-101519-52
Date Collected: 06/12/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.1 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 22:30	K1S	EET SAC

Client Sample ID: DUP-06-202306
Lab Sample ID: 320-101519-53
Date Collected: 06/13/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262.1 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 22:41	K1S	EET SAC

Client Sample ID: DUP-07-202306
Lab Sample ID: 320-101519-54
Date Collected: 06/12/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

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 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 22:51	K1S	EET SAC

Client Sample ID: DUP-08-202306
Lab Sample ID: 320-101519-55
Date Collected: 06/12/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.3 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:01	K1S	EET SAC

Client Sample ID: FB-01-202306
Lab Sample ID: 320-101519-56
Date Collected: 06/14/23 11:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:11	K1S	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-01-202306
Lab Sample ID: 320-101519-57
Date Collected: 06/14/23 09:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.3 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:22	K1S	EET SAC

Client Sample ID: EB-02-202306
Lab Sample ID: 320-101519-58
Date Collected: 06/13/23 14:00
Matrix: Water
Date Received: 06/15/23 09:10

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 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:32	K1S	EET SAC

Client Sample ID: EB-03-202306
Lab Sample ID: 320-101519-59
Date Collected: 06/13/23 10:58
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.8 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:42	K1S	EET SAC

Client Sample ID: EB-04-202306
Lab Sample ID: 320-101519-60
Date Collected: 06/12/23 15:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.8 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/06/23 23:52	K1S	EET SAC

Client Sample ID: EB-05-202306
Lab Sample ID: 320-101519-61
Date Collected: 06/12/23 14:05
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.6 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/07/23 00:03	K1S	EET SAC

Client Sample ID: EB-06-202306
Lab Sample ID: 320-101519-62
Date Collected: 06/13/23 09:20
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.5 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/07/23 00:33	K1S	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Client Sample ID: EB-07-202306

Lab Sample ID: 320-101519-63

Date Collected: 06/12/23 13:00

Matrix: Water

Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			238.3 mL	10.0 mL	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/07/23 00:44	K1S	EET SAC

Client Sample ID: EB-08-202306

Lab Sample ID: 320-101519-64

Date Collected: 06/12/23 11:00

Matrix: Water

Date Received: 06/15/23 09:10

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	688180	07/05/23 11:30	VP	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	688646	07/07/23 00:54	K1S	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
Job ID: 320-101519-1
Project/Site: 451482 RockGen

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	08-31-23

Method Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-101519-1	MP-01-(277-293)-202306	Water	06/14/23 09:00	06/15/23 09:10
320-101519-2	MP-01-(253-274)-202306	Water	06/14/23 09:15	06/15/23 09:10
320-101519-3	MP-01-(223-250)-202306	Water	06/14/23 09:29	06/15/23 09:10
320-101519-4	MP-01-(198-220)-202306	Water	06/14/23 09:51	06/15/23 09:10
320-101519-5	MP-01-(155-195)-202306	Water	06/14/23 10:07	06/15/23 09:10
320-101519-6	MP-01-(121-152)-202306	Water	06/14/23 10:19	06/15/23 09:10
320-101519-7	MP-01-(091-118)-202306	Water	06/14/23 10:33	06/15/23 09:10
320-101519-8	MP-01-(051-088)-202306	Water	06/14/23 10:45	06/15/23 09:10
320-101519-9	MP-02-(279-300)-202306	Water	06/13/23 13:35	06/15/23 09:10
320-101519-10	MP-02-(253-276)-202306	Water	06/13/23 13:48	06/15/23 09:10
320-101519-11	MP-02-(223-250)-202306	Water	06/13/23 14:02	06/15/23 09:10
320-101519-12	MP-02-(198-220)-202306	Water	06/13/23 14:16	06/15/23 09:10
320-101519-13	MP-02-(153-195)-202306	Water	06/13/23 14:35	06/15/23 09:10
320-101519-14	MP-03-(280-300)-202306	Water	06/13/23 10:26	06/15/23 09:10
320-101519-15	MP-03-(245-277)-202306	Water	06/13/23 10:42	06/15/23 09:10
320-101519-16	MP-03-(220-242)-202306	Water	06/13/23 10:57	06/15/23 09:10
320-101519-17	MP-03-(190-217)-202306	Water	06/13/23 11:12	06/15/23 09:10
320-101519-18	MP-03-(160-187)-202306	Water	06/13/23 11:31	06/15/23 09:10
320-101519-19	MP-03-(120-157)-202306	Water	06/13/23 11:50	06/15/23 09:10
320-101519-20	MP-03-(083-117)-202306	Water	06/13/23 12:06	06/15/23 09:10
320-101519-21	MP-03-(046-080)-202306	Water	06/13/23 12:20	06/15/23 09:10
320-101519-22	MP-04-(275-291)-202306	Water	06/12/23 14:56	06/15/23 09:10
320-101519-23	MP-04-(245-272)-202306	Water	06/12/23 15:17	06/15/23 09:10
320-101519-24	MP-04-(220-242)-202306	Water	06/12/23 15:28	06/15/23 09:10
320-101519-25	MP-04-(195-217)-202306	Water	06/12/23 15:42	06/15/23 09:10
320-101519-26	MP-04-(155-192)-202306	Water	06/12/23 15:48	06/15/23 09:10
320-101519-27	MP-04-(115-152)-202306	Water	06/12/23 16:05	06/15/23 09:10
320-101519-28	MP-04-(080-112)-202306	Water	06/12/23 16:16	06/15/23 09:10
320-101519-29	MP-04-(048-077)-202306	Water	06/12/23 16:26	06/15/23 09:10
320-101519-30	MP-05-(SWL-065)-202306	Water	06/12/23 14:03	06/15/23 09:10
320-101519-31	MP-06-(148-178)-202306	Water	06/13/23 08:29	06/15/23 09:10
320-101519-32	MP-06-(113-145)-202306	Water	06/13/23 08:43	06/15/23 09:10
320-101519-33	MP-06-(73-110)-202306	Water	06/13/23 09:00	06/15/23 09:10
320-101519-34	MP-06-(36-70)-202306	Water	06/13/23 09:12	06/15/23 09:10
320-101519-35	MP-06-(21-33)-202306	Water	06/13/23 09:33	06/15/23 09:10
320-101519-36	MP-07-(220-258)-202306	Water	06/12/23 12:05	06/15/23 09:10
320-101519-37	MP-07-(195-217)-202306	Water	06/12/23 12:17	06/15/23 09:10
320-101519-38	MP-07-(155-192)-202306	Water	06/12/23 12:37	06/15/23 09:10
320-101519-39	MP-07-(115-152)-202306	Water	06/12/23 12:55	06/15/23 09:10
320-101519-40	MP-07-(80-112)-202306	Water	06/12/23 13:07	06/15/23 09:10
320-101519-41	MP-07-(48-77)-202306	Water	06/12/23 13:20	06/15/23 09:10
320-101519-42	MP-08-(220-246)-202306	Water	06/12/23 10:06	06/15/23 09:10
320-101519-43	MP-08-(195-217)-202306	Water	06/12/23 10:27	06/15/23 09:10
320-101519-44	MP-08-(155-192)-202306	Water	06/12/23 10:48	06/15/23 09:10
320-101519-45	MP-08-(115-152)-202306	Water	06/12/23 11:08	06/15/23 09:10
320-101519-46	MP-08-(80-112)-202306	Water	06/12/23 11:18	06/15/23 09:10
320-101519-47	MP-08-(48-77)-202306	Water	06/12/23 11:28	06/15/23 09:10
320-101519-48	DUP-01-202306	Water	06/14/23 00:00	06/15/23 09:10
320-101519-49	DUP-02-202306	Water	06/13/23 00:00	06/15/23 09:10
320-101519-50	DUP-03-202306	Water	06/13/23 00:00	06/15/23 09:10
320-101519-51	DUP-04-202306	Water	06/12/23 00:00	06/15/23 09:10
320-101519-52	DUP-05-202306	Water	06/12/23 00:00	06/15/23 09:10
320-101519-53	DUP-06-202306	Water	06/13/23 00:00	06/15/23 09:10
320-101519-54	DUP-07-202306	Water	06/12/23 00:00	06/15/23 09:10

Sample Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101519-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-101519-55	DUP-08-202306	Water	06/12/23 00:00	06/15/23 09:10
320-101519-56	FB-01-202306	Water	06/14/23 11:00	06/15/23 09:10
320-101519-57	EB-01-202306	Water	06/14/23 09:00	06/15/23 09:10
320-101519-58	EB-02-202306	Water	06/13/23 14:00	06/15/23 09:10
320-101519-59	EB-03-202306	Water	06/13/23 10:58	06/15/23 09:10
320-101519-60	EB-04-202306	Water	06/12/23 15:00	06/15/23 09:10
320-101519-61	EB-05-202306	Water	06/12/23 14:05	06/15/23 09:10
320-101519-62	EB-06-202306	Water	06/13/23 09:20	06/15/23 09:10
320-101519-63	EB-07-202306	Water	06/12/23 13:00	06/15/23 09:10
320-101519-64	EB-08-202306	Water	06/12/23 11:00	06/15/23 09:10

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Phone (916) 372-1059

Copy 1

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Marshal Tofte/Scott Litwin	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey	Phone:	E-Mail: david.alltucker@eurofinset.com	State of Origin: Wisconsin	Page: Page 1/6
Company: TRC	PWSID:	Analysis Requested		Job #:
Address: 6737 W Washington Street, Suite 2100	Due Date Requested:			
City: West Allis	TAT Requested (days): Standard 10-Day			
State, Zip: WI, 53214	Compliance Project: Δ Yes Δ No			
Phone: 414.294.9247	PO #: 178804			
Email: jramey@trccompanies.com	WO #:			
Project Name: RockGen Phase 2	Project #: 451482			
Site: RockGen	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MP-01-(277-293)-202210	6/14/23	9:00	G	GW	N		X	2	
MP-01-(253-274)-202210	6/14/23	9:15	G	GW	N		X	2	
MP-01-(223-250)-202210	6/14/23	9:29	G	GW	N		X	2	
MP-01-(198-220)-202210	6/14/23	9:51	G	GW	N		X	2	
MP-01-(155-195)-202210	6/14/23	10:07	G	GW	N		X	2	
MP-01-(121-152)-202210	6/14/23	10:19	G	GW	N		X	2	
MP-01-(091-118)-202210	6/14/23	10:33	G	GW	N		X	2	
MP-01-(051-088)-202210	6/14/23	10:45	G	GW	N		X	2	
MP-02-(279-300)-202210	6/13/23	13:35	G	GW	N		X	2	
MP-02-(253-276)-202210	6/13/23	13:48	G	GW	N		X	2	
MP-02-(223-250)-202210	6/13/23	14:02	G	GW	N		X	2	
MP-02-(198-220)-202210	6/13/23	14:16	G	GW	N		X	2	
MP-02-(153-195)-202306	6/13/23	14:35	G	GW	N		X	2	
MP-03-(280-300)-202306	6/13/23	10:26	G	GW	N		X	2	
MP-03-(245-277)-202306	6/13/23	10:42	G	GW	N		X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by: Marshal Tofte	Date/Time: 6/14 at 16:00	Company: TRC	Received by:	Date/Time: 6/15/23	Company
	Relinquished by:	Date/Time:			Date/Time:	Company
	Relinquished by:	Date/Time:			Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Remarks: 29, 20, 24, 26

Form No. CA-C-WI-002, Rev. 01/16/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Phone (916) 372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Marshal Tofte/Scott Litwin	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey	Phone:	E-Mail: david.alltucker@eurofinset.com	State of Origin: Wisconsin	Page: Page 2/6
Company: TRC	PWSID:	Analysis Requested		Job #:
Address: 6737 W Washington Street, Suite 2100	Due Date Requested:			Preservation Codes:
City: West Allis	TAT Requested (days): Standard 10-Day			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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: WI, 53214	Compliance Project: Δ Yes Δ No			Other:
Phone: 414.294.9247	PO #: 178804			
Email: jramey@trccompanies.com	WO #:			
Project Name: RockGen Phase 2	Project #: 451482			
Site: RockGen	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MP-03-(220-242)-202210	6/13/23	10:57	G	GW	N		X	2	
MP-03-(190-217)-202210	6/13/23	11:12	G	GW	N		X	2	
MP-03-(160-187)-202210	6/13/23	11:31	G	GW	N		X	2	
MP-03-(120-157)-202210	6/13/23	11:50	G	GW	N		X	2	
MP-03-(083-117)-202210	6/13/23	12:06	G	GW	N		X	2	
MP-03-(046-080)-202210	6/13/23	12:20	G	GW	N		X	2	
MP-04-(275-291)-202210	6/12/23	14:56	G	GW	N		X	2	
MP-04-(245-272)-202210	6/12/23	15:17	G	GW	N		X	2	
MP-04-(220-242)-202210	6/12/23	15:28	G	GW	N		X	2	
MP-04-(195-217)-202210	6/12/23	15:42	G	GW	N		X	2	
MP-04-(155-192)-202210	6/12/23	15:48	G	GW	N		X	2	
MP-04-(115-152)-202210	6/12/23	16:05	G	GW	N		X	2	
MP-04-(080-112)-202210	6/12/23	16:16	G	GW	N		X	2	
MP-04-(048-077)-202210	6/12/23	16:26	G	GW	N		X	2	
MP-05-(SWL-065)-202210	6/13/23	14:03	G	GW	N		X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/14 at 16:00			6/14/23 910	
2	Relinquished by:	Date/Time:	Company TRC	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-9, 1.0, 1.4, 2.6

Ver: 01/16/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Phone (916) 372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Marshal Tofte/Scott Litwin	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey	Phone:	E-Mail: david.alltucker@eurofinset.com	State of Origin: Wisconsin	Page: Page 3/6
Company: TRC	PWSID:			Job #:
Address: 6737 W Washington Street, Suite 2100	Due Date Requested:			
City: West Allis	TAT Requested (days): Standard 10-Day			
State, Zip: WI, 53214	Compliance Project: Δ Yes Δ No			
Phone: 414.294.9247	PO #: 178804			
Email: jramey@trccompanies.com	WO #:			
Project Name: RockGen Phase 2	Project #: 451482			
Site: RockGen	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MP-06-(148-178)-202306	6/13/23	8:29	G	GW	N		X	2	
MP-06-(113-145)-202306	6/13/23	8:43	G	GW	N		X	2	
MP-06-(73-110)-202306	6/13/23	9:00	G	GW	N		X	2	
MP-06-(36-70)-202306	6/13/23	9:12	G	GW	N		X	2	
MP-06-(21-33)-202306	6/13/23	9:33	G	GW	N		X	2	
MP-07-(220-258)-202306	6/12/23	12:05	G	GW	N		X	2	
MP-07-(195-217)-202306	6/12/23	12:17	G	GW	N		X	2	
MP-07-(155-192)-202306	6/12/23	12:37	G	GW	N		X	2	
MP-07-(115-152)-202306	6/12/23	12:55	G	GW	N		X	2	
MP-07-(80-112)-202306	6/12/23	13:07	G	GW	N		X	2	
MP-07-(48-77)-202306	6/12/23	13:20	G	GW	N		X	2	
MP-08-(220-246)-202306	6/12/23	10:06	G	GW	N		X	2	
MP-08-(195-217)-202306	6/12/23	10:27	G	GW	N		X	2	
MP-08-(155-192)-202306	6/12/23	10:48	G	GW	N		X	2	
MP-08-(115-152)-202306	6/12/23	11:08	G	GW	N		X	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/14 at 16:00	TRC	[signature]	6/15/23 9:10	
2				[signature]		
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9, 2.0, 2.6, 2.4

Ver: 01/16/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Phone (916) 372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Marshal Tofte/Scott Litwin	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey	Phone:	E-Mail: david.alltucker@eurofinset.com	State of Origin: Wisconsin	Page: Page 4/6
Company: TRC	PWSID:	Analysis Requested		Job #:
Address: 6737 W Washington Street, Suite 2100	Due Date Requested:			
City: West Allis	TAT Requested (days): Standard 10-Day			
State, Zip: WI, 53214	Compliance Project: Δ Yes Δ No			
Phone: 414.294.9247	PO #: 178804			
Email: jramey@trccompanies.com	WO #:			
Project Name: RockGen Phase 2	Project #: 451482			
Site: RockGen	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MP-08-(80-112)-202306	6/12/23	11:18	G	GW	N		X	2	
MP-08-(48-77)-202306	6/12/23	11:28	G	GW	N		X	2	
DUP-01-202306	6/14/23	-	G	GW	N		X	2	
DUP-02-202306	6/13/23	-	G	GW	N		X	2	
DUP-03-202306	6/13/23	-	G	GW	N		X	2	
DUP-04-202306	6/12/23	-	G	GW	N		X	2	
DUP-05-202306	6/12/23	-	G	GW	N		X	2	
DUP-06-202306	6/13/23	-	G	GW	N		X	2	
DUP-07-202306	6/12/23	-	G	GW	N		X	2	
DUP-08-202306	6/12/23	-	G	GW	N		X	2	
FB-01-202306	6/14/23	11:00	G	W	N		X	2	
EB-01-202306	6/14/23	9:00	G	W	N		X	2	
EB-02-202306	6/13/23	14:00	G	W	N		X	2	
EB-03-202306	6/13/23	10:58	G	W	N		X	2	
EB-04-202306	6/12/23	15:00	G	W	N		X	2	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/14 at 16:00	TRC	[signature]	6/15/23 910	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9, 2.0, 2.4, 2.6

Ver: 01/16/2019

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Phone (916) 372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Marshal Tofte/Scott Litwin	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ramey	Phone:	E-Mail: david.alltucker@eurofinset.com	State of Origin: Wisconsin	Page: Page 5/6
Company: TRC	PWSID:	Analysis Requested		Job #:
Address: 6737 W Washington Street, Suite 2100	Due Date Requested:			
City: West Allis	TAT Requested (days): Standard 10-Day			
State, Zip: WI, 53214	Compliance Project: Δ Yes Δ No			
Phone: 414.294.9247	PO #: 178804			
Email: jramey@trccompanies.com	WO #:			
Project Name: RockGen Phase 2	Project #: 451482			
Site: RockGen	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS (WI-33)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
EB-05-202306	6/12/23	14:05	G	W	N		X	2	
EB-06-202306	6/13/23	9:20	G	W	N		X	2	
EB-07-202306	6/12/23	13:00	G	W	N		X	2	
EB-08-202306	6/12/23	11:00	G	W	N		X	2	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Row 1	Marshal Tofte	6/14 at 16:00	TRC		6/15/23 910	
Row 2						
Row 3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.9, 2.0, 2.4, 2.6

Ver: 01/16/2019

Micah Smith

From: Morin, Kristen <KMorin@trccompanies.com>
Sent: Monday, July 31, 2023 11:09 AM
To: Micah Smith
Cc: Ramey, Jeff; Tofte, Marshal; Litwin, Scott; Braga, Wesley
Subject: Revisions Needed on Job # 320-101519-1 - Project 451482 RockGen

EXTERNAL EMAIL*

Hi Micah,

Can you please revise the sample IDs and/or collection dates as listed below and provide a revised lab report and EDD? We inadvertently listed some incorrect information on the COC for select samples from the above-mentioned job #.

- Lab samples 320-101519-1 through 320-101519-12 and 320-101519-16 through 320-101519-30: Please revise the sample IDs to include -202306 at the end of the sample IDs (rather than -202210). The wrong sample IDs were listed on the COC.
- Lab sample 320-101519-30: Please revise the collection date to 06/12/2023. The wrong date was listed on the COC.

Thank you,

Kristen Morin
Quality Assurance Chemist

650 Suffolk Street, Lowell, MA 01854
C: 978-735-6820 | kmorin@trccompanies.com
LinkedIn | Twitter | Blog | TRCcompanies.com

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-101519-1

Login Number: 101519
List Number: 1
Creator: Fisher, Jamyiah L

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2096372/2096370/2096371/2096373
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/14/2023 12:19:15 PM

JOB DESCRIPTION

451482 RockGen

JOB NUMBER

320-101518-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

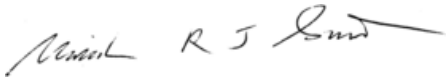
See page two for job notes and contact information.

Job Notes

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

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

Authorization



Generated
7/14/2023 12:19:15 PM

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

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
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.
¤	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

Job ID: 320-101518-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-101518-1

Comments
No additional comments.

Receipt
The samples were received on 6/15/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3º C.

LCMS
Method 537 (modified): Results for samples MW-01-202306 (320-101518-1), MW-02-202306 (320-101518-2), MW-04-202306 (320-101518-4) and DUP-09-202306 (320-101518-9) were reported from the analysis of a diluted extract due to high concentration. 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: DUP-09-202306 (320-101518-9). 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 320-688433 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MW-05-202306 (320-101518-5) and PZ-01-202306 (320-101518-11)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-688433.

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

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-01-202306 — Lab Sample ID: 320-101518-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	240		22	11	ng/L	5		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1000		8.8	2.2	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	570		8.8	2.6	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	580		8.8	1.1	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	140		8.8	3.8	ng/L	5		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		8.8	1.2	ng/L	5		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.6	J	8.8	1.4	ng/L	5		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.1	J	8.8	2.4	ng/L	5		537 (modified)	Total/NA
6:2 FTS	890		22	11	ng/L	5		537 (modified)	Total/NA
8:2 FTS	170		8.8	2.0	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MW-02-202306 — Lab Sample ID: 320-101518-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	260		22	11	ng/L	5		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1200		8.8	2.2	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	670		8.8	2.6	ng/L	5		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	240		8.8	1.1	ng/L	5		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	150		8.8	3.7	ng/L	5		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.0	J	8.8	1.2	ng/L	5		537 (modified)	Total/NA
4:2 FTS	1.6	J	8.8	1.1	ng/L	5		537 (modified)	Total/NA
6:2 FTS	810		22	11	ng/L	5		537 (modified)	Total/NA
8:2 FTS	50		8.8	2.0	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MW-03-202306 — Lab Sample ID: 320-101518-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.3		4.3	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.70	J	1.7	0.42	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.37	J	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.79	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-04-202306 — Lab Sample ID: 320-101518-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	500		86	41	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2300		34	8.4	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1600		34	9.9	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	880		34	4.3	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1100		34	15	ng/L	20		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	83		34	4.6	ng/L	20		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	37		34	5.3	ng/L	20		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	29	J	34	9.3	ng/L	20		537 (modified)	Total/NA
4:2 FTS	46		34	4.1	ng/L	20		537 (modified)	Total/NA
6:2 FTS	5300		86	43	ng/L	20		537 (modified)	Total/NA
8:2 FTS	3500		34	7.9	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MW-05-202306 — Lab Sample ID: 320-101518-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	47		4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	180		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	120		1.8	0.51	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample ID: MW-05-202306 (Continued) — Lab Sample ID: 320-101518-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	91		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	54		1.8	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.2		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.7	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.51	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.48	ng/L	1		537 (modified)	Total/NA
6:2 FTS	44		4.4	2.2	ng/L	1		537 (modified)	Total/NA
8:2 FTS	65		1.8	0.41	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-06-202306 — Lab Sample ID: 320-101518-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.9	J	4.3	2.1	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.19	J	1.7	0.16	ng/L	1		537 (modified)	Total/NA
6:2 FTS	19		4.3	2.2	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-07-202306 — Lab Sample ID: 320-101518-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	4.2		1.7	0.17	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-08-202306 — Lab Sample ID: 320-101518-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.20	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.9		1.7	0.81	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-09-202306 — Lab Sample ID: 320-101518-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	480		84	41	ng/L	20		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2100		34	8.3	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1700		34	9.8	ng/L	20		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	810		34	4.2	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1000		34	14	ng/L	20		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	83		34	4.6	ng/L	20		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	33	J	34	5.2	ng/L	20		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	25	J	34	9.1	ng/L	20		537 (modified)	Total/NA
4:2 FTS	50		34	4.1	ng/L	20		537 (modified)	Total/NA
6:2 FTS	5200		84	42	ng/L	20		537 (modified)	Total/NA
8:2 FTS	3400		34	7.8	ng/L	20		537 (modified)	Total/NA

Client Sample ID: EB-09-202306 — Lab Sample ID: 320-101518-10

No Detections.

Client Sample ID: PZ-01-202306 — Lab Sample ID: 320-101518-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	2.5	J	4.4	2.2	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-01-202306
Date Collected: 06/14/23 09:13
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-1
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**240**		22	11	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluoropentanoic acid (PFPeA)	**1000**		8.8	2.2	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorohexanoic acid (PFHxA)	**570**		8.8	2.6	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluoroheptanoic acid (PFHpA)	**580**		8.8	1.1	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorooctanoic acid (PFOA)	**140**		8.8	3.8	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorononanoic acid (PFNA)	**16**		8.8	1.2	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorodecanoic acid (PFDA)	**1.6**	**J**	8.8	1.4	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluoroundecanoic acid (PFUnA)	<4.9		8.8	4.9	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorododecanoic acid (PFDoA)	<2.4		8.8	2.4	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorotridecanoic acid (PFTrDA)	<5.7		8.8	5.7	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorotetradecanoic acid (PFTeA)	<3.2		8.8	3.2	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorobutanesulfonic acid (PFBS)	<0.88		8.8	0.88	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluoropentanesulfonic acid (PFPeS)	<1.3		8.8	1.3	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorohexanesulfonic acid (PFHxS)	<2.5		8.8	2.5	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluoroheptanesulfonic acid (PFHpS)	<0.84		8.8	0.84	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorooctanesulfonic acid (PFOS)	**4.1**	**J**	8.8	2.4	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorononanesulfonic acid (PFNS)	<1.6		8.8	1.6	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorodecanesulfonic acid (PFDS)	<1.4		8.8	1.4	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorododecanesulfonic acid (PFDoS)	<4.3		8.8	4.3	ng/L		07/06/23 11:34	07/12/23 23:55	5
Perfluorooctanesulfonamide (FOSA)	<4.3		8.8	4.3	ng/L		07/06/23 11:34	07/12/23 23:55	5
NEtFOSA	<3.8		8.8	3.8	ng/L		07/06/23 11:34	07/12/23 23:55	5
NMeFOSA	<1.9		8.8	1.9	ng/L		07/06/23 11:34	07/12/23 23:55	5
NMeFOSAA	<5.3		22	5.3	ng/L		07/06/23 11:34	07/12/23 23:55	5
NEtFOSAA	<5.7		22	5.7	ng/L		07/06/23 11:34	07/12/23 23:55	5
NMeFOSE	<6.2		18	6.2	ng/L		07/06/23 11:34	07/12/23 23:55	5
NEtFOSE	<3.8		8.8	3.8	ng/L		07/06/23 11:34	07/12/23 23:55	5
4:2 FTS	<1.1		8.8	1.1	ng/L		07/06/23 11:34	07/12/23 23:55	5
6:2 FTS	**890**		22	11	ng/L		07/06/23 11:34	07/12/23 23:55	5
8:2 FTS	**170**		8.8	2.0	ng/L		07/06/23 11:34	07/12/23 23:55	5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.8		8.8	1.8	ng/L		07/06/23 11:34	07/12/23 23:55	5
HFPO-DA (GenX)	<6.6		18	6.6	ng/L		07/06/23 11:34	07/12/23 23:55	5
9Cl-PF3ONS	<1.1		8.8	1.1	ng/L		07/06/23 11:34	07/12/23 23:55	5
11Cl-PF3OUdS	<1.4		8.8	1.4	ng/L		07/06/23 11:34	07/12/23 23:55	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C5 PFPeA	*86*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C2 PFHxA	*89*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C4 PFHpA	*92*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C4 PFOA	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C5 PFNA	*96*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C2 PFDA	*92*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C2 PFUnA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C2 PFDoA	*83*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C2 PFTeDA	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*
13C3 PFBS	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:55*	*5*

Client Sample ID: MW-01-202306

Lab Sample ID: 320-101518-1

Date Collected: 06/14/23 09:13

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	91		25 - 150	07/06/23 11:34	07/12/23 23:55	5
13C4 PFOS	87		25 - 150	07/06/23 11:34	07/12/23 23:55	5
13C8 FOSA	96		10 - 150	07/06/23 11:34	07/12/23 23:55	5
d3-NMeFOSAA	77		25 - 150	07/06/23 11:34	07/12/23 23:55	5
d5-NEtFOSAA	77		25 - 150	07/06/23 11:34	07/12/23 23:55	5
d-N-MeFOSA-M	71		10 - 150	07/06/23 11:34	07/12/23 23:55	5
d-N-EtFOSA-M	71		10 - 150	07/06/23 11:34	07/12/23 23:55	5
d7-N-MeFOSE-M	78		10 - 150	07/06/23 11:34	07/12/23 23:55	5
d9-N-EtFOSE-M	73		10 - 150	07/06/23 11:34	07/12/23 23:55	5
M2-4:2 FTS	92		25 - 150	07/06/23 11:34	07/12/23 23:55	5
M2-6:2 FTS	95		25 - 150	07/06/23 11:34	07/12/23 23:55	5
M2-8:2 FTS	101		25 - 150	07/06/23 11:34	07/12/23 23:55	5
13C3 HFPO-DA	88		25 - 150	07/06/23 11:34	07/12/23 23:55	5

Client Sample ID: MW-02-202306

Lab Sample ID: 320-101518-2

Date Collected: 06/14/23 13:34

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**260**		22	11	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluoropentanoic acid (PFPeA)	**1200**		8.8	2.2	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorohexanoic acid (PFHxA)	**670**		8.8	2.6	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluoroheptanoic acid (PFHpA)	**240**		8.8	1.1	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorooctanoic acid (PFOA)	**150**		8.8	3.7	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorononanoic acid (PFNA)	**8.0**	**J**	8.8	1.2	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorodecanoic acid (PFDA)	<1.4		8.8	1.4	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluoroundecanoic acid (PFUnA)	<4.8		8.8	4.8	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorododecanoic acid (PFDoA)	<2.4		8.8	2.4	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorotridecanoic acid (PFTrDA)	<5.7		8.8	5.7	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorotetradecanoic acid (PFTeA)	<3.2		8.8	3.2	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorobutanesulfonic acid (PFBS)	<0.88		8.8	0.88	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluoropentanesulfonic acid (PFPeS)	<1.3		8.8	1.3	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorohexanesulfonic acid (PFHxS)	<2.5		8.8	2.5	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluoroheptanesulfonic acid (PFHpS)	<0.84		8.8	0.84	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorooctanesulfonic acid (PFOS)	<2.4		8.8	2.4	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorononanesulfonic acid (PFNS)	<1.6		8.8	1.6	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorodecanesulfonic acid (PFDS)	<1.4		8.8	1.4	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorododecanesulfonic acid (PFDoS)	<4.3		8.8	4.3	ng/L		07/06/23 11:34	07/13/23 00:07	5
Perfluorooctanesulfonamide (FOSA)	<4.3		8.8	4.3	ng/L		07/06/23 11:34	07/13/23 00:07	5
NEtFOSA	<3.8		8.8	3.8	ng/L		07/06/23 11:34	07/13/23 00:07	5
NMeFOSA	<1.9		8.8	1.9	ng/L		07/06/23 11:34	07/13/23 00:07	5
NMeFOSAA	<5.3		22	5.3	ng/L		07/06/23 11:34	07/13/23 00:07	5
NEtFOSAA	<5.7		22	5.7	ng/L		07/06/23 11:34	07/13/23 00:07	5
NMeFOSE	<6.2		18	6.2	ng/L		07/06/23 11:34	07/13/23 00:07	5
NEtFOSE	<3.7		8.8	3.7	ng/L		07/06/23 11:34	07/13/23 00:07	5
4:2 FTS	**1.6**	**J**	8.8	1.1	ng/L		07/06/23 11:34	07/13/23 00:07	5
6:2 FTS	**810**		22	11	ng/L		07/06/23 11:34	07/13/23 00:07	5

Client Sample ID: MW-02-202306

Lab Sample ID: 320-101518-2

Date Collected: 06/14/23 13:34

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	**50**		8.8	2.0	ng/L		07/06/23 11:34	07/13/23 00:07	5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.8		8.8	1.8	ng/L		07/06/23 11:34	07/13/23 00:07	5
HFPO-DA (GenX)	<6.6		18	6.6	ng/L		07/06/23 11:34	07/13/23 00:07	5
9Cl-PF3ONS	<1.1		8.8	1.1	ng/L		07/06/23 11:34	07/13/23 00:07	5
11Cl-PF3OUdS	<1.4		8.8	1.4	ng/L		07/06/23 11:34	07/13/23 00:07	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C5 PFPeA	*104*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C2 PFHxA	*108*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C4 PFHpA	*112*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C4 PFOA	*114*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C5 PFNA	*110*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C2 PFDA	*109*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C2 PFUnA	*98*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C2 PFDoA	*84*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C2 PFTeDA	*74*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C3 PFBS	*96*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
18O2 PFHxS	*93*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C4 PFOS	*88*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C8 FOSA	*112*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d3-NMeFOSAA	*86*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d5-NEtFOSAA	*77*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d-N-MeFOSA-M	*76*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d-N-EtFOSA-M	*67*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d7-N-MeFOSE-M	*71*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
d9-N-EtFOSE-M	*69*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
M2-4:2 FTS	*103*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
M2-6:2 FTS	*117*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
M2-8:2 FTS	*105*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*
13C3 HFPO-DA	*104*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:07*	*5*

Client Sample ID: MW-03-202306

Lab Sample ID: 320-101518-3

Date Collected: 06/13/23 15:51

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.3**		4.3	2.1	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluoropentanoic acid (PFPeA)	**0.70**	**J**	1.7	0.42	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluoroheptanoic acid (PFHpA)	**0.37**	**J**	1.7	0.22	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/06/23 11:34	07/12/23 22:15	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-03-202306
Date Collected: 06/13/23 15:51
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	**0.79**	**J**	1.7	0.17	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/06/23 11:34	07/12/23 22:15	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/06/23 11:34	07/12/23 22:15	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/06/23 11:34	07/12/23 22:15	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/06/23 11:34	07/12/23 22:15	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/06/23 11:34	07/12/23 22:15	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/06/23 11:34	07/12/23 22:15	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/06/23 11:34	07/12/23 22:15	1
NEtFOSE	<0.73		1.7	0.73	ng/L		07/06/23 11:34	07/12/23 22:15	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:15	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/06/23 11:34	07/12/23 22:15	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/06/23 11:34	07/12/23 22:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/06/23 11:34	07/12/23 22:15	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/06/23 11:34	07/12/23 22:15	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:15	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C5 PFPeA	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C4 PFHpA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C4 PFOA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C5 PFNA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C2 PFDA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C2 PFUnA	*99*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C2 PFDoA	*92*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C3 PFBS	*94*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
18O2 PFHxS	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C4 PFOS	*91*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C8 FOSA	*104*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d-N-EtFOSA-M	*69*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
d9-N-EtFOSE-M	*81*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
M2-4:2 FTS	*101*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*

Client Sample ID: MW-03-202306

Lab Sample ID: 320-101518-3

Date Collected: 06/13/23 15:51

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:15*	*1*

Client Sample ID: MW-04-202306

Lab Sample ID: 320-101518-4

Date Collected: 06/14/23 14:56

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**500**		86	41	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluoropentanoic acid (PFPeA)	**2300**		34	8.4	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorohexanoic acid (PFHxA)	**1600**		34	9.9	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluoroheptanoic acid (PFHpA)	**880**		34	4.3	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorooctanoic acid (PFOA)	**1100**		34	15	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorononanoic acid (PFNA)	**83**		34	4.6	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorodecanoic acid (PFDA)	**37**		34	5.3	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluoroundecanoic acid (PFUnA)	<19		34	19	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorododecanoic acid (PFDoA)	<9.4		34	9.4	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorotridecanoic acid (PFTrDA)	<22		34	22	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorotetradecanoic acid (PFTeA)	<13		34	13	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorobutanesulfonic acid (PFBS)	<3.4		34	3.4	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluoropentanesulfonic acid (PFPeS)	<5.1		34	5.1	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorohexanesulfonic acid (PFHxS)	<9.8		34	9.8	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluoroheptanesulfonic acid (PFHpS)	<3.3		34	3.3	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorooctanesulfonic acid (PFOS)	**29**	**J**	34	9.3	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorononanesulfonic acid (PFNS)	<6.3		34	6.3	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorodecanesulfonic acid (PFDS)	<5.5		34	5.5	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorododecanesulfonic acid (PFDoS)	<17		34	17	ng/L		07/06/23 11:34	07/13/23 00:18	20
Perfluorooctanesulfonamide (FOSA)	<17		34	17	ng/L		07/06/23 11:34	07/13/23 00:18	20
NEtFOSA	<15		34	15	ng/L		07/06/23 11:34	07/13/23 00:18	20
NMeFOSA	<7.4		34	7.4	ng/L		07/06/23 11:34	07/13/23 00:18	20
NMeFOSAA	<21		86	21	ng/L		07/06/23 11:34	07/13/23 00:18	20
NEtFOSAA	<22		86	22	ng/L		07/06/23 11:34	07/13/23 00:18	20
NMeFOSE	<24		69	24	ng/L		07/06/23 11:34	07/13/23 00:18	20
NEtFOSE	<15		34	15	ng/L		07/06/23 11:34	07/13/23 00:18	20
4:2 FTS	**46**		34	4.1	ng/L		07/06/23 11:34	07/13/23 00:18	20
6:2 FTS	**5300**		86	43	ng/L		07/06/23 11:34	07/13/23 00:18	20
8:2 FTS	**3500**		34	7.9	ng/L		07/06/23 11:34	07/13/23 00:18	20
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<6.9		34	6.9	ng/L		07/06/23 11:34	07/13/23 00:18	20
HFPO-DA (GenX)	<26		69	26	ng/L		07/06/23 11:34	07/13/23 00:18	20
9Cl-PF3ONS	<4.1		34	4.1	ng/L		07/06/23 11:34	07/13/23 00:18	20
11Cl-PF3OUdS	<5.5		34	5.5	ng/L		07/06/23 11:34	07/13/23 00:18	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*70*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:18*	*20*
13C5 PFPeA	*70*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:18*	*20*
13C2 PFHxA	*77*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:18*	*20*

Client Sample ID: MW-04-202306

Lab Sample ID: 320-101518-4

Date Collected: 06/14/23 14:56

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	79		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C4 PFOA	74		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C5 PFNA	75		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C2 PFDA	74		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C2 PFUnA	69		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C2 PFDoA	70		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C2 PFTeDA	68		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C3 PFBS	71		25 - 150	07/06/23 11:34	07/13/23 00:18	20
18O2 PFHxS	78		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C4 PFOS	75		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C8 FOSA	76		10 - 150	07/06/23 11:34	07/13/23 00:18	20
d3-NMeFOSAA	59		25 - 150	07/06/23 11:34	07/13/23 00:18	20
d5-NEtFOSAA	64		25 - 150	07/06/23 11:34	07/13/23 00:18	20
d-N-MeFOSA-M	60		10 - 150	07/06/23 11:34	07/13/23 00:18	20
d-N-EtFOSA-M	57		10 - 150	07/06/23 11:34	07/13/23 00:18	20
d7-N-MeFOSE-M	57		10 - 150	07/06/23 11:34	07/13/23 00:18	20
d9-N-EtFOSE-M	56		10 - 150	07/06/23 11:34	07/13/23 00:18	20
M2-4:2 FTS	80		25 - 150	07/06/23 11:34	07/13/23 00:18	20
M2-6:2 FTS	135		25 - 150	07/06/23 11:34	07/13/23 00:18	20
M2-8:2 FTS	131		25 - 150	07/06/23 11:34	07/13/23 00:18	20
13C3 HFPO-DA	68		25 - 150	07/06/23 11:34	07/13/23 00:18	20

Client Sample ID: MW-05-202306

Lab Sample ID: 320-101518-5

Date Collected: 06/14/23 12:21

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**47**		4.4	2.1	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluoropentanoic acid (PFPeA)	**180**		1.8	0.43	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorohexanoic acid (PFHxA)	**120**		1.8	0.51	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluoroheptanoic acid (PFHpA)	**91**		1.8	0.22	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorooctanoic acid (PFOA)	**54**		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorononanoic acid (PFNA)	**5.2**		1.8	0.24	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorodecanoic acid (PFDA)	**1.7**	**J**	1.8	0.27	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorobutanesulfonic acid (PFBS)	**0.51**	**J**	1.8	0.18	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorooctanesulfonic acid (PFOS)	**3.0**		1.8	0.48	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 22:26	1

Client Sample ID: MW-05-202306

Lab Sample ID: 320-101518-5

Date Collected: 06/14/23 12:21

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		07/06/23 11:34	07/12/23 22:26	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/06/23 11:34	07/12/23 22:26	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/06/23 11:34	07/12/23 22:26	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/06/23 11:34	07/12/23 22:26	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 22:26	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 22:26	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/06/23 11:34	07/12/23 22:26	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 22:26	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 22:26	1
6:2 FTS	**44**		4.4	2.2	ng/L		07/06/23 11:34	07/12/23 22:26	1
8:2 FTS	**65**		1.8	0.41	ng/L		07/06/23 11:34	07/12/23 22:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/06/23 11:34	07/12/23 22:26	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/06/23 11:34	07/12/23 22:26	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 22:26	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 22:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C5 PFPeA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C4 PFHpA	*115*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C4 PFOA	*108*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C5 PFNA	*111*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C2 PFDA	*109*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C2 PFUnA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C3 PFBS	*97*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
18O2 PFHxS	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C4 PFOS	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C8 FOSA	*112*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d5-NEtFOSAA	*92*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d-N-EtFOSA-M	*79*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
d9-N-EtFOSE-M	*86*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
M2-4:2 FTS	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
M2-6:2 FTS	*120*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
M2-8:2 FTS	*113*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:26*	*1*

Client Sample ID: MW-06-202306

Lab Sample ID: 320-101518-6

Date Collected: 06/13/23 14:31

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.9**	**J**	4.3	2.1	ng/L		07/06/23 11:34	07/12/23 22:37	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-06-202306
Date Collected: 06/13/23 14:31
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorobutanesulfonic acid (PFBS)	**1.2**	**J**	1.7	0.17	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.19**	**J**	1.7	0.16	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/06/23 11:34	07/12/23 22:37	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/06/23 11:34	07/12/23 22:37	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/06/23 11:34	07/12/23 22:37	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/06/23 11:34	07/12/23 22:37	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/06/23 11:34	07/12/23 22:37	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/06/23 11:34	07/12/23 22:37	1
NMeFOSE	<1.2		3.4	1.2	ng/L		07/06/23 11:34	07/12/23 22:37	1
NEtFOSE	<0.73		1.7	0.73	ng/L		07/06/23 11:34	07/12/23 22:37	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:37	1
6:2 FTS	**19**		4.3	2.2	ng/L		07/06/23 11:34	07/12/23 22:37	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/06/23 11:34	07/12/23 22:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.34		1.7	0.34	ng/L		07/06/23 11:34	07/12/23 22:37	1
HFPO-DA (GenX)	<1.3		3.4	1.3	ng/L		07/06/23 11:34	07/12/23 22:37	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:37	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*134*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C5 PFPeA	*144*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C2 PFHxA	*138*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C4 PFHpA	*150*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C4 PFOA	*140*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C5 PFNA	*139*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C2 PFDA	*144*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C2 PFUnA	*129*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C2 PFDoA	*119*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
13C3 PFBS	*131*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*
18O2 PFHxS	*128*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:37*	*1*

Client Sample ID: MW-06-202306

Lab Sample ID: 320-101518-6

Date Collected: 06/13/23 14:31

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	131		25 - 150	07/06/23 11:34	07/12/23 22:37	1
13C8 FOSA	142		10 - 150	07/06/23 11:34	07/12/23 22:37	1
d3-NMeFOSAA	111		25 - 150	07/06/23 11:34	07/12/23 22:37	1
d5-NEtFOSAA	116		25 - 150	07/06/23 11:34	07/12/23 22:37	1
d-N-MeFOSA-M	106		10 - 150	07/06/23 11:34	07/12/23 22:37	1
d-N-EtFOSA-M	104		10 - 150	07/06/23 11:34	07/12/23 22:37	1
d7-N-MeFOSE-M	99		10 - 150	07/06/23 11:34	07/12/23 22:37	1
d9-N-EtFOSE-M	104		10 - 150	07/06/23 11:34	07/12/23 22:37	1
M2-4:2 FTS	134		25 - 150	07/06/23 11:34	07/12/23 22:37	1
M2-6:2 FTS	134		25 - 150	07/06/23 11:34	07/12/23 22:37	1
M2-8:2 FTS	144		25 - 150	07/06/23 11:34	07/12/23 22:37	1
13C3 HFPO-DA	132		25 - 150	07/06/23 11:34	07/12/23 22:37	1

Client Sample ID: MW-07-202306

Lab Sample ID: 320-101518-7

Date Collected: 06/13/23 13:02

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorobutanesulfonic acid (PFBS)	**4.2**		1.7	0.17	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/06/23 11:34	07/12/23 22:48	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/06/23 11:34	07/12/23 22:48	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/06/23 11:34	07/12/23 22:48	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/06/23 11:34	07/12/23 22:48	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/06/23 11:34	07/12/23 22:48	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/06/23 11:34	07/12/23 22:48	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/06/23 11:34	07/12/23 22:48	1
NEtFOSE	<0.74		1.7	0.74	ng/L		07/06/23 11:34	07/12/23 22:48	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:48	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/06/23 11:34	07/12/23 22:48	1

Client Sample ID: MW-07-202306

Lab Sample ID: 320-101518-7

Date Collected: 06/13/23 13:02

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.40		1.7	0.40	ng/L		07/06/23 11:34	07/12/23 22:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/06/23 11:34	07/12/23 22:48	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/06/23 11:34	07/12/23 22:48	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 22:48	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/06/23 11:34	07/12/23 22:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C5 PFPeA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C2 PFHxA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C4 PFHpA	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C4 PFOA	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C5 PFNA	*91*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C2 PFDA	*89*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C2 PFUnA	*90*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C2 PFDoA	*86*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C2 PFTeDA	*81*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C3 PFBS	*87*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
18O2 PFHxS	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C4 PFOS	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C8 FOSA	*96*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d3-NMeFOSAA	*69*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d5-NEtFOSAA	*78*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d-N-MeFOSA-M	*68*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d-N-EtFOSA-M	*62*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d7-N-MeFOSE-M	*70*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
d9-N-EtFOSE-M	*74*		*10 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
M2-4:2 FTS	*80*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
M2-6:2 FTS	*95*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*
13C3 HFPO-DA	*94*		*25 - 150*	*07/06/23 11:34*	*07/12/23 22:48*	*1*

Client Sample ID: MW-08-202306

Lab Sample ID: 320-101518-8

Date Collected: 06/13/23 11:27

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorooctanoic acid (PFOA)	<0.71		1.7	0.71	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluoroundecanoic acid (PFUnA)	<0.91		1.7	0.91	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		07/06/23 11:34	07/12/23 23:00	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-08-202306
Date Collected: 06/13/23 11:27
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	**0.20**	**J**	1.7	0.17	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		07/06/23 11:34	07/12/23 23:00	1
Perfluorooctanesulfonamide (FOSA)	**1.9**		1.7	0.81	ng/L		07/06/23 11:34	07/12/23 23:00	1
NEtFOSA	<0.72		1.7	0.72	ng/L		07/06/23 11:34	07/12/23 23:00	1
NMeFOSA	<0.36		1.7	0.36	ng/L		07/06/23 11:34	07/12/23 23:00	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		07/06/23 11:34	07/12/23 23:00	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		07/06/23 11:34	07/12/23 23:00	1
NMeFOSE	<1.2		3.3	1.2	ng/L		07/06/23 11:34	07/12/23 23:00	1
NEtFOSE	<0.71		1.7	0.71	ng/L		07/06/23 11:34	07/12/23 23:00	1
4:2 FTS	<0.20		1.7	0.20	ng/L		07/06/23 11:34	07/12/23 23:00	1
6:2 FTS	<2.1		4.2	2.1	ng/L		07/06/23 11:34	07/12/23 23:00	1
8:2 FTS	<0.38		1.7	0.38	ng/L		07/06/23 11:34	07/12/23 23:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		07/06/23 11:34	07/12/23 23:00	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		07/06/23 11:34	07/12/23 23:00	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		07/06/23 11:34	07/12/23 23:00	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		07/06/23 11:34	07/12/23 23:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C5 PFPeA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C2 PFHxA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C4 PFHpA	*111*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C4 PFOA	*112*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C5 PFNA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C2 PFDA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C2 PFUnA	*106*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C2 PFDoA	*95*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C3 PFBS	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
18O2 PFHxS	*99*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C4 PFOS	*96*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
13C8 FOSA	*106*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d-N-MeFOSA-M	*72*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d-N-EtFOSA-M	*68*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
d9-N-EtFOSE-M	*85*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
M2-4:2 FTS	*99*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*
M2-6:2 FTS	*99*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:00*	*1*

Client Sample ID: MW-08-202306

Lab Sample ID: 320-101518-8

Date Collected: 06/13/23 11:27

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	102		25 - 150	07/06/23 11:34	07/12/23 23:00	1
13C3 HFPO-DA	99		25 - 150	07/06/23 11:34	07/12/23 23:00	1

Client Sample ID: DUP-09-202306

Lab Sample ID: 320-101518-9

Date Collected: 06/14/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**480**		84	41	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluoropentanoic acid (PFPeA)	**2100**		34	8.3	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorohexanoic acid (PFHxA)	**1700**		34	9.8	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluoroheptanoic acid (PFHpA)	**810**		34	4.2	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorooctanoic acid (PFOA)	**1000**		34	14	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorononanoic acid (PFNA)	**83**		34	4.6	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorodecanoic acid (PFDA)	**33**	**J**	34	5.2	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluoroundecanoic acid (PFUnA)	<19		34	19	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorododecanoic acid (PFDoA)	<9.3		34	9.3	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorotridecanoic acid (PFTrDA)	<22		34	22	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorotetradecanoic acid (PFTeA)	<12		34	12	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorobutanesulfonic acid (PFBS)	<3.4		34	3.4	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluoropentanesulfonic acid (PFPeS)	<5.1		34	5.1	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorohexanesulfonic acid (PFHxS)	<9.6		34	9.6	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluoroheptanesulfonic acid (PFHpS)	<3.2		34	3.2	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorooctanesulfonic acid (PFOS)	**25**	**J**	34	9.1	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorononanesulfonic acid (PFNS)	<6.2		34	6.2	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorodecanesulfonic acid (PFDS)	<5.4		34	5.4	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorododecanesulfonic acid (PFDoS)	<16		34	16	ng/L		07/06/23 11:34	07/13/23 00:29	20
Perfluorooctanesulfonamide (FOSA)	<17		34	17	ng/L		07/06/23 11:34	07/13/23 00:29	20
NEtFOSA	<15		34	15	ng/L		07/06/23 11:34	07/13/23 00:29	20
NMeFOSA	<7.3		34	7.3	ng/L		07/06/23 11:34	07/13/23 00:29	20
NMeFOSAA	<20		84	20	ng/L		07/06/23 11:34	07/13/23 00:29	20
NEtFOSAA	<22		84	22	ng/L		07/06/23 11:34	07/13/23 00:29	20
NMeFOSE	<24		68	24	ng/L		07/06/23 11:34	07/13/23 00:29	20
NEtFOSE	<14		34	14	ng/L		07/06/23 11:34	07/13/23 00:29	20
4:2 FTS	**50**		34	4.1	ng/L		07/06/23 11:34	07/13/23 00:29	20
6:2 FTS	**5200**		84	42	ng/L		07/06/23 11:34	07/13/23 00:29	20
8:2 FTS	**3400**		34	7.8	ng/L		07/06/23 11:34	07/13/23 00:29	20
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<6.8		34	6.8	ng/L		07/06/23 11:34	07/13/23 00:29	20
HFPO-DA (GenX)	<25		68	25	ng/L		07/06/23 11:34	07/13/23 00:29	20
9Cl-PF3ONS	<4.1		34	4.1	ng/L		07/06/23 11:34	07/13/23 00:29	20
11Cl-PF3OUdS	<5.4		34	5.4	ng/L		07/06/23 11:34	07/13/23 00:29	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	07/06/23 11:34	07/13/23 00:29	20
13C5 PFPeA	82		25 - 150	07/06/23 11:34	07/13/23 00:29	20
13C2 PFHxA	86		25 - 150	07/06/23 11:34	07/13/23 00:29	20

Client Sample ID: DUP-09-202306

Lab Sample ID: 320-101518-9

Date Collected: 06/14/23 00:00

Matrix: Water

Date Received: 06/15/23 09:10

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFHpA	*93*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C4 PFOA	*90*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C5 PFNA	*88*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C2 PFDA	*95*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C2 PFUnA	*91*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C2 PFDoA	*81*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C2 PFTeDA	*85*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C3 PFBS	*81*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
18O2 PFHxS	*84*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C4 PFOS	*88*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C8 FOSA	*93*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d3-NMeFOSAA	*74*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d5-NEtFOSAA	*97*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d-N-MeFOSA-M	*66*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d-N-EtFOSA-M	*66*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d7-N-MeFOSE-M	*80*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
d9-N-EtFOSE-M	*69*		*10 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
M2-4:2 FTS	*82*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
M2-6:2 FTS	*151*	**5+*	*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
M2-8:2 FTS	*158*	**5+*	*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*
13C3 HFPO-DA	*71*		*25 - 150*	*07/06/23 11:34*	*07/13/23 00:29*	*20*

Client Sample ID: EB-09-202306

Lab Sample ID: 320-101518-10

Date Collected: 06/14/23 14:30

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		07/06/23 11:34	07/12/23 23:11	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		07/06/23 11:34	07/12/23 23:11	1

Client Sample ID: EB-09-202306

Lab Sample ID: 320-101518-10

Date Collected: 06/14/23 14:30

Matrix: Water

Date Received: 06/15/23 09:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.77		1.8	0.77	ng/L		07/06/23 11:34	07/12/23 23:11	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/06/23 11:34	07/12/23 23:11	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 23:11	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 23:11	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/06/23 11:34	07/12/23 23:11	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 23:11	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 23:11	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/06/23 11:34	07/12/23 23:11	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/06/23 11:34	07/12/23 23:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/06/23 11:34	07/12/23 23:11	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/06/23 11:34	07/12/23 23:11	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 23:11	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 23:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C5 PFPeA	*101*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C4 PFHpA	*113*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C4 PFOA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C5 PFNA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C2 PFDA	*111*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C2 PFUnA	*108*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C2 PFDoA	*94*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C3 PFBS	*98*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
18O2 PFHxS	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C4 PFOS	*96*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C8 FOSA	*95*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d5-NEtFOSAA	*88*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d-N-MeFOSA-M	*80*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
d9-N-EtFOSE-M	*80*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
M2-4:2 FTS	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
M2-6:2 FTS	*102*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*
13C3 HFPO-DA	*105*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:11*	*1*

Client Sample ID: PZ-01-202306

Lab Sample ID: 320-101518-11

Date Collected: 06/14/23 10:32

Matrix: Water

Date Received: 06/15/23 09:10

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/06/23 11:34	07/12/23 23:44	1

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: PZ-01-202306
Date Collected: 06/14/23 10:32
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.8	0.47	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		07/06/23 11:34	07/12/23 23:44	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/06/23 11:34	07/12/23 23:44	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/06/23 11:34	07/12/23 23:44	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/06/23 11:34	07/12/23 23:44	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 23:44	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/06/23 11:34	07/12/23 23:44	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/06/23 11:34	07/12/23 23:44	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/06/23 11:34	07/12/23 23:44	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 23:44	1
6:2 FTS	**2.5**	**J**	4.4	2.2	ng/L		07/06/23 11:34	07/12/23 23:44	1
8:2 FTS	<0.40		1.8	0.40	ng/L		07/06/23 11:34	07/12/23 23:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/06/23 11:34	07/12/23 23:44	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/06/23 11:34	07/12/23 23:44	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/06/23 11:34	07/12/23 23:44	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/06/23 11:34	07/12/23 23:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C5 PFPeA	*104*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C2 PFHxA	*101*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C4 PFHpA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C4 PFOA	*108*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C5 PFNA	*110*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C2 PFDA	*106*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C2 PFUnA	*94*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C2 PFDoA	*93*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C3 PFBS	*96*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
18O2 PFHxS	*102*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C4 PFOS	*100*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
13C8 FOSA	*104*		*10 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*
d5-NEtFOSAA	*87*		*25 - 150*	*07/06/23 11:34*	*07/12/23 23:44*	*1*

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: PZ-01-202306
Date Collected: 06/14/23 10:32
Date Received: 06/15/23 09:10

Lab Sample ID: 320-101518-11
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	83		10 - 150	07/06/23 11:34	07/12/23 23:44	1
d-N-EtFOSA-M	78		10 - 150	07/06/23 11:34	07/12/23 23:44	1
d7-N-MeFOSE-M	81		10 - 150	07/06/23 11:34	07/12/23 23:44	1
d9-N-EtFOSE-M	83		10 - 150	07/06/23 11:34	07/12/23 23:44	1
M2-4:2 FTS	96		25 - 150	07/06/23 11:34	07/12/23 23:44	1
M2-6:2 FTS	108		25 - 150	07/06/23 11:34	07/12/23 23:44	1
M2-8:2 FTS	110		25 - 150	07/06/23 11:34	07/12/23 23:44	1
13C3 HFPO-DA	96		25 - 150	07/06/23 11:34	07/12/23 23:44	1

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-101518-1	MW-01-202306	88	86	89	92	100	96	92	88
320-101518-2	MW-02-202306	105	104	108	112	114	110	109	98
320-101518-3	MW-03-202306	100	104	103	107	105	105	107	99
320-101518-4	MW-04-202306	70	70	77	79	74	75	74	69
320-101518-5	MW-05-202306	103	105	103	115	108	111	109	105
320-101518-6	MW-06-202306	134	144	138	150	140	139	144	129
320-101518-7	MW-07-202306	86	88	88	93	93	91	89	90
320-101518-8	MW-08-202306	105	107	107	111	112	107	107	106
320-101518-9	DUP-09-202306	81	82	86	93	90	88	95	91
320-101518-10	EB-09-202306	100	101	103	113	105	107	111	108
320-101518-11	PZ-01-202306	100	104	101	103	108	110	106	94
LCS 320-688433/2-A	Lab Control Sample	99	99	100	107	104	107	106	105
LCSD 320-688433/3-A	Lab Control Sample Dup	106	111	106	115	119	115	117	117
MB 320-688433/1-A	Method Blank	106	106	103	113	114	115	110	107

		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)
320-101518-1	MW-01-202306	83	85	88	91	87	96	77	77
320-101518-2	MW-02-202306	84	74	96	93	88	112	86	77
320-101518-3	MW-03-202306	92	85	94	93	91	104	85	86
320-101518-4	MW-04-202306	70	68	71	78	75	76	59	64
320-101518-5	MW-05-202306	96	93	97	104	104	112	94	92
320-101518-6	MW-06-202306	119	110	131	128	131	142	111	116
320-101518-7	MW-07-202306	86	81	87	88	85	96	69	78
320-101518-8	MW-08-202306	95	93	100	99	96	106	88	89
320-101518-9	DUP-09-202306	81	85	81	84	88	93	74	97
320-101518-10	EB-09-202306	94	85	98	100	96	95	85	88
320-101518-11	PZ-01-202306	93	86	96	102	100	104	79	87
LCS 320-688433/2-A	Lab Control Sample	97	91	93	98	100	89	87	85
LCSD 320-688433/3-A	Lab Control Sample Dup	111	83	105	112	112	97	99	96
MB 320-688433/1-A	Method Blank	90	80	96	98	99	99	87	84

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-101518-1	MW-01-202306	71	71	78	73	92	95	101	88
320-101518-2	MW-02-202306	76	67	71	69	103	117	105	104
320-101518-3	MW-03-202306	71	69	80	81	101	100	105	104
320-101518-4	MW-04-202306	60	57	57	56	80	135	131	68
320-101518-5	MW-05-202306	81	79	81	86	104	120	113	103
320-101518-6	MW-06-202306	106	104	99	104	134	134	144	132
320-101518-7	MW-07-202306	68	62	70	74	80	95	95	94
320-101518-8	MW-08-202306	72	68	86	85	99	99	102	99
320-101518-9	DUP-09-202306	66	66	80	69	82	151 *5+	158 *5+	71
320-101518-10	EB-09-202306	80	77	81	80	107	102	122	105
320-101518-11	PZ-01-202306	83	78	81	83	96	108	110	96
LCS 320-688433/2-A	Lab Control Sample	72	73	85	83	102	97	105	104
LCSD 320-688433/3-A	Lab Control Sample Dup	74	71	82	78	110	124	121	106
MB 320-688433/1-A	Method Blank	72	73	88	85	98	105	113	107

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

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

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-688433/1-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/06/23 11:34	07/12/23 21:41	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/06/23 11:34	07/12/23 21:41	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/06/23 11:34	07/12/23 21:41	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/06/23 11:34	07/12/23 21:41	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/06/23 11:34	07/12/23 21:41	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/06/23 11:34	07/12/23 21:41	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/06/23 11:34	07/12/23 21:41	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/06/23 11:34	07/12/23 21:41	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/06/23 11:34	07/12/23 21:41	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/06/23 11:34	07/12/23 21:41	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/06/23 11:34	07/12/23 21:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/06/23 11:34	07/12/23 21:41	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/06/23 11:34	07/12/23 21:41	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/06/23 11:34	07/12/23 21:41	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/06/23 11:34	07/12/23 21:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C5 PFPeA	*106*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C2 PFHxA	*103*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C4 PFHpA	*113*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C4 PFOA	*114*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C5 PFNA	*115*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C2 PFDA	*110*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C2 PFUnA	*107*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C2 PFDoA	*90*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*
13C2 PFTeDA	*80*		*25 - 150*	*07/06/23 11:34*	*07/12/23 21:41*	*1*

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

Lab Sample ID: MB 320-688433/1-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 688433

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	96		25 - 150	07/06/23 11:34	07/12/23 21:41	1
18O2 PFHxS	98		25 - 150	07/06/23 11:34	07/12/23 21:41	1
13C4 PFOS	99		25 - 150	07/06/23 11:34	07/12/23 21:41	1
13C8 FOSA	99		10 - 150	07/06/23 11:34	07/12/23 21:41	1
d3-NMeFOSAA	87		25 - 150	07/06/23 11:34	07/12/23 21:41	1
d5-NEtFOSAA	84		25 - 150	07/06/23 11:34	07/12/23 21:41	1
d-N-MeFOSA-M	72		10 - 150	07/06/23 11:34	07/12/23 21:41	1
d-N-EtFOSA-M	73		10 - 150	07/06/23 11:34	07/12/23 21:41	1
d7-N-MeFOSE-M	88		10 - 150	07/06/23 11:34	07/12/23 21:41	1
d9-N-EtFOSE-M	85		10 - 150	07/06/23 11:34	07/12/23 21:41	1
M2-4:2 FTS	98		25 - 150	07/06/23 11:34	07/12/23 21:41	1
M2-6:2 FTS	105		25 - 150	07/06/23 11:34	07/12/23 21:41	1
M2-8:2 FTS	113		25 - 150	07/06/23 11:34	07/12/23 21:41	1
13C3 HFPO-DA	107		25 - 150	07/06/23 11:34	07/12/23 21:41	1

Lab Sample ID: LCS 320-688433/2-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	41.7		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	40.3		ng/L		101	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	41.2		ng/L		103	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	41.8		ng/L		105	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	39.9		ng/L		100	60 - 135
Perfluorononanoic acid (PFNA)	40.0	39.7		ng/L		99	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.4		ng/L		106	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.8		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.8		ng/L		102	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	37.8		ng/L		94	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.9		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	34.8		ng/L		98	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.0		ng/L		96	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.0		ng/L		96	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.0		ng/L		97	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.5		ng/L		96	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	35.8		ng/L		93	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	34.6		ng/L		90	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	29.3		ng/L		75	60 - 135

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

Lab Sample ID: LCS 320-688433/2-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 688433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	41.1		ng/L		103	60 - 135
NEtFOSA	40.0	40.0		ng/L		100	60 - 135
NMeFOSA	40.0	42.4		ng/L		106	60 - 135
NMeFOSAA	40.0	41.1		ng/L		103	60 - 135
NEtFOSAA	40.0	39.1		ng/L		98	60 - 135
NMeFOSE	40.0	40.8		ng/L		102	60 - 135
NEtFOSE	40.0	39.6		ng/L		99	60 - 135
4:2 FTS	37.5	34.3		ng/L		92	60 - 135
6:2 FTS	38.1	40.1		ng/L		105	60 - 135
8:2 FTS	38.4	39.6		ng/L		103	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.6		ng/L		107	60 - 135
HFPO-DA (GenX)	40.0	39.0		ng/L		97	60 - 135
9Cl-PF3ONS	37.4	36.1		ng/L		97	60 - 135
11Cl-PF3OUdS	37.8	35.1		ng/L		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*99*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*100*		*25 - 150*
13C4 PFHpA	*107*		*25 - 150*
13C4 PFOA	*104*		*25 - 150*
13C5 PFNA	*107*		*25 - 150*
13C2 PFDA	*106*		*25 - 150*
13C2 PFUnA	*105*		*25 - 150*
13C2 PFDoA	*97*		*25 - 150*
13C2 PFTeDA	*91*		*25 - 150*
13C3 PFBS	*93*		*25 - 150*
18O2 PFHxS	*98*		*25 - 150*
13C4 PFOS	*100*		*25 - 150*
13C8 FOSA	*89*		*10 - 150*
d3-NMeFOSAA	*87*		*25 - 150*
d5-NEtFOSAA	*85*		*25 - 150*
d-N-MeFOSA-M	*72*		*10 - 150*
d-N-EtFOSA-M	*73*		*10 - 150*
d7-N-MeFOSE-M	*85*		*10 - 150*
d9-N-EtFOSE-M	*83*		*10 - 150*
M2-4:2 FTS	*102*		*25 - 150*
M2-6:2 FTS	*97*		*25 - 150*
M2-8:2 FTS	*105*		*25 - 150*
13C3 HFPO-DA	*104*		*25 - 150*

Lab Sample ID: LCSD 320-688433/3-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688433

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	41.5		ng/L		104	60 - 135	0	30

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

Lab Sample ID: LCSD 320-688433/3-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688433

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)			40.0	38.9		ng/L		97	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)			40.0	42.7		ng/L		107	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)			40.0	41.5		ng/L		104	60 - 135	1	30
Perfluorooctanoic acid (PFOA)			40.0	38.9		ng/L		97	60 - 135	2	30
Perfluorononanoic acid (PFNA)			40.0	43.5		ng/L		109	60 - 135	9	30
Perfluorodecanoic acid (PFDA)			40.0	40.9		ng/L		102	60 - 135	4	30
Perfluoroundecanoic acid (PFUnA)			40.0	38.6		ng/L		96	60 - 135	1	30
Perfluorododecanoic acid (PFDoA)			40.0	40.3		ng/L		101	60 - 135	1	30
Perfluorotridecanoic acid (PFTrDA)			40.0	34.6		ng/L		86	60 - 135	9	30
Perfluorotetradecanoic acid (PFTeA)			40.0	40.7		ng/L		102	60 - 135	10	30
Perfluorobutanesulfonic acid (PFBS)			35.5	34.2		ng/L		96	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)			37.6	37.4		ng/L		99	60 - 135	4	30
Perfluorohexanesulfonic acid (PFHxS)			36.5	35.0		ng/L		96	60 - 135	0	30
Perfluoroheptanesulfonic acid (PFHpS)			38.2	38.8		ng/L		102	60 - 135	5	30
Perfluorooctanesulfonic acid (PFOS)			37.2	37.0		ng/L		99	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)			38.5	37.2		ng/L		97	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)			38.6	37.1		ng/L		96	60 - 135	7	30
Perfluorododecanesulfonic acid (PFDoS)			38.8	27.5		ng/L		71	60 - 135	6	30
Perfluorooctanesulfonamide (FOSA)			40.0	39.0		ng/L		98	60 - 135	5	30
NEtFOSA			40.0	38.5		ng/L		96	60 - 135	4	30
NMeFOSA			40.0	40.3		ng/L		101	60 - 135	5	30
NMeFOSAA			40.0	41.7		ng/L		104	60 - 135	1	30
NEtFOSAA			40.0	42.9		ng/L		107	60 - 135	9	30
NMeFOSE			40.0	39.3		ng/L		98	60 - 135	4	30
NEtFOSE			40.0	41.2		ng/L		103	60 - 135	4	30
4:2 FTS			37.5	39.3		ng/L		105	60 - 135	13	30
6:2 FTS			38.1	37.1		ng/L		97	60 - 135	8	30
8:2 FTS			38.4	38.3		ng/L		100	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.8	39.9		ng/L		106	60 - 135	2	30
HFPO-DA (GenX)			40.0	43.8		ng/L		109	60 - 135	12	30
9Cl-PF3ONS			37.4	38.2		ng/L		102	60 - 135	6	30
11Cl-PF3OUdS			37.8	35.3		ng/L		93	60 - 135	1	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*106*		*25 - 150*
13C5 PFPeA	*111*		*25 - 150*
13C2 PFHxA	*106*		*25 - 150*
13C4 PFHpA	*115*		*25 - 150*

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

Lab Sample ID: LCSD 320-688433/3-A
Matrix: Water
Analysis Batch: 690092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 688433

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOA	119		25 - 150
13C5 PFNA	115		25 - 150
13C2 PFDA	117		25 - 150
13C2 PFUnA	117		25 - 150
13C2 PFDoA	111		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	105		25 - 150
18O2 PFHxS	112		25 - 150
13C4 PFOS	112		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	99		25 - 150
d5-NEtFOSAA	96		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	71		10 - 150
d7-N-MeFOSE-M	82		10 - 150
d9-N-EtFOSE-M	78		10 - 150
M2-4:2 FTS	110		25 - 150
M2-6:2 FTS	124		25 - 150
M2-8:2 FTS	121		25 - 150
13C3 HFPO-DA	106		25 - 150

LCMS

Prep Batch: 688433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101518-1	MW-01-202306	Total/NA	Water	3535	
320-101518-2	MW-02-202306	Total/NA	Water	3535	
320-101518-3	MW-03-202306	Total/NA	Water	3535	
320-101518-4	MW-04-202306	Total/NA	Water	3535	
320-101518-5	MW-05-202306	Total/NA	Water	3535	
320-101518-6	MW-06-202306	Total/NA	Water	3535	
320-101518-7	MW-07-202306	Total/NA	Water	3535	
320-101518-8	MW-08-202306	Total/NA	Water	3535	
320-101518-9	DUP-09-202306	Total/NA	Water	3535	
320-101518-10	EB-09-202306	Total/NA	Water	3535	
320-101518-11	PZ-01-202306	Total/NA	Water	3535	
MB 320-688433/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-688433/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-688433/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 690092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-101518-1	MW-01-202306	Total/NA	Water	537 (modified)	688433
320-101518-2	MW-02-202306	Total/NA	Water	537 (modified)	688433
320-101518-3	MW-03-202306	Total/NA	Water	537 (modified)	688433
320-101518-4	MW-04-202306	Total/NA	Water	537 (modified)	688433
320-101518-5	MW-05-202306	Total/NA	Water	537 (modified)	688433
320-101518-6	MW-06-202306	Total/NA	Water	537 (modified)	688433
320-101518-7	MW-07-202306	Total/NA	Water	537 (modified)	688433
320-101518-8	MW-08-202306	Total/NA	Water	537 (modified)	688433
320-101518-9	DUP-09-202306	Total/NA	Water	537 (modified)	688433
320-101518-10	EB-09-202306	Total/NA	Water	537 (modified)	688433
320-101518-11	PZ-01-202306	Total/NA	Water	537 (modified)	688433
MB 320-688433/1-A	Method Blank	Total/NA	Water	537 (modified)	688433
LCS 320-688433/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	688433
LCSD 320-688433/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	688433

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-01-202306
Lab Sample ID: 320-101518-1
Date Collected: 06/14/23 09:13
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.3 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		5	1 mL	1 mL	690092	07/12/23 23:55	RS1	EET SAC

Client Sample ID: MW-02-202306
Lab Sample ID: 320-101518-2
Date Collected: 06/14/23 13:34
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.9 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		5	1 mL	1 mL	690092	07/13/23 00:07	RS1	EET SAC

Client Sample ID: MW-03-202306
Lab Sample ID: 320-101518-3
Date Collected: 06/13/23 15:51
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			289.8 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 22:15	RS1	EET SAC

Client Sample ID: MW-04-202306
Lab Sample ID: 320-101518-4
Date Collected: 06/14/23 14:56
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			291.7 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		20	1 mL	1 mL	690092	07/13/23 00:18	RS1	EET SAC

Client Sample ID: MW-05-202306
Lab Sample ID: 320-101518-5
Date Collected: 06/14/23 12:21
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.7 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 22:26	RS1	EET SAC

Client Sample ID: MW-06-202306
Lab Sample ID: 320-101518-6
Date Collected: 06/13/23 14:31
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			289.9 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 22:37	RS1	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Client Sample ID: MW-07-202306
Lab Sample ID: 320-101518-7
Date Collected: 06/13/23 13:02
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			288.5 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 22:48	RS1	EET SAC

Client Sample ID: MW-08-202306
Lab Sample ID: 320-101518-8
Date Collected: 06/13/23 11:27
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			301 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 23:00	RS1	EET SAC

Client Sample ID: DUP-09-202306
Lab Sample ID: 320-101518-9
Date Collected: 06/14/23 00:00
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			296.2 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		20	1 mL	1 mL	690092	07/13/23 00:29	RS1	EET SAC

Client Sample ID: EB-09-202306
Lab Sample ID: 320-101518-10
Date Collected: 06/14/23 14:30
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 23:11	RS1	EET SAC

Client Sample ID: PZ-01-202306
Lab Sample ID: 320-101518-11
Date Collected: 06/14/23 10:32
Matrix: Water
Date Received: 06/15/23 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			284.3 mL	10.0 mL	688433	07/06/23 11:34	JS	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	690092	07/12/23 23:44	RS1	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
Job ID: 320-101518-1
Project/Site: 451482 RockGen

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	08-31-23

Method Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-101518-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-101518-1	MW-01-202306	Water	06/14/23 09:13	06/15/23 09:10
320-101518-2	MW-02-202306	Water	06/14/23 13:34	06/15/23 09:10
320-101518-3	MW-03-202306	Water	06/13/23 15:51	06/15/23 09:10
320-101518-4	MW-04-202306	Water	06/14/23 14:56	06/15/23 09:10
320-101518-5	MW-05-202306	Water	06/14/23 12:21	06/15/23 09:10
320-101518-6	MW-06-202306	Water	06/13/23 14:31	06/15/23 09:10
320-101518-7	MW-07-202306	Water	06/13/23 13:02	06/15/23 09:10
320-101518-8	MW-08-202306	Water	06/13/23 11:27	06/15/23 09:10
320-101518-9	DUP-09-202306	Water	06/14/23 00:00	06/15/23 09:10
320-101518-10	EB-09-202306	Water	06/14/23 14:30	06/15/23 09:10
320-101518-11	PZ-01-202306	Water	06/14/23 10:32	06/15/23 09:10

Address: Eurofins TA-Sacramento

Chain of Custody Record

703031

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Ramey	Site Contact:	Date: 6/14/23	COC No:
Company Name: TRC Env.	Tel/Email: JRamey@trcompanies.com	Lab Contact: David Alhuxley	Carrier:	1 of 1 COCs
Address: 999 Fourier Dr. Ste 101	Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 608-234-7374	TAT if different from Below ____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: RockGen PFAS				Job / SDG No.:
Site: RockGen Energy - Cambridge				
P O #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PFAS (w_537)	Sample Specific Notes:
MW-01-202306	6/14/23	913	G	GW	2	N	N	X	
MW-02-202306	6/14/23	1334	G	GW	2	N	N	X	
MW-03-202306	6/13/23	1551	G	GW	2	N	N	X	
MW-04-202306	6/14/23	1456	G	GW	2	N	N	X	
MW-05-202306	6/14/23	1221	G	GW	2	N	N	X	
MW-06-202306	6/13/23	1431	G	GW	2	N	N	X	
MW-07-202306	6/13/23	1302	G	GW	2	N	N	X	
MW-08-202306	6/13/23	1127	G	GW	2	N	N	X	
DUP-09-202306	6/14/23	—	G	GW	2	N	N	X	
EB-09-202306	6/14/23	1430	G	GW	2	N	N	X	
PZ-01-202306	6/14/23	1032	G	GW	2	N	N	X	

320-101518 Chain of Custody

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

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 4.3 Corr'd: 4.3 Therm ID No.: 410

	Company	Date/Time		Company	Date/Time
Relinquished by:	TRC	6/14/23 1700	Received by:		
Relinquished by:			Received by:		6/15/23 910
Relinquished by:			Received in Laboratory by:		

7/14/2023

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-101518-1

Login Number: 101518
List Number: 1
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2096381/2096380
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	