

ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-86779-1
Client Project/Site: 451482 RockGen
Revision: 1

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

Attn: Jeff Ramey



Authorized for release by:
5/17/2022 7:40:05 AM

David Alltucker, Project Manager I
(916)374-4383

David.Alltucker@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Qualifiers

LCMS

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

Case Narrative

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

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Laboratory: Eurofins Sacramento

Narrative

Job Narrative 320-86779-1

Revision 5-17-2022: This report has been revised to correct sampling date on sample 24.

Receipt

The samples were received on 4/14/2022 10:45 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 1.3° C, 2.1° C, 3.4° C and 4.4° C.

Receipt Exceptions

The following samples have 1 of 2 containers filled less than 250 mL: samples 1, 2, 3, 4, 7, 9, 10, 13, 14, 15, 16, 17, 22, 23, 24, 25, 30, 38, 39, and 40. MP-01-(051-088)-202204 (320-86779-1), MP-01-(091-118)-202204 (320-86779-2), MP-01-(121-152)-202204 (320-86779-3), MP-01-(155-195)-202204 (320-86779-4), MP-01-(253-274)-202204 (320-86779-7), MP-01-(277-293)-202204 (320-86779-8), MP-02-(153-195)-202204 (320-86779-9), MP-02-(198-220)-202204 (320-86779-10), MP-02-(223-250)-202204 (320-86779-11), MP-02-(279-300)-202204 (320-86779-13), MP-03-(046-080)-202204 (320-86779-14), MP-03-(083-117)-202204 (320-86779-15), MP-03-(120-157)-202204 (320-86779-16), MP-03-(160-187)-202204 (320-86779-17), MP-03-(220-242)-202204 (320-86779-19), MP-03-(245-277)-202204 (320-86779-20), MP-04-(048-077)-202204 (320-86779-22), MP-04-(115-152)-202204 (320-86779-24), MP-04-(155-192)-202204 (320-86779-25), MP-04-(195-217)-202204 (320-86779-26), MP-04-(220-242)-202204 (320-86779-27), MP-05-(SWL-065)-202204 (320-86779-30), DUP-01-202204 (320-86779-38), DUP-02-202204 (320-86779-39) and DUP-03-202204 (320-86779-40)

LCMS

Method 537 (modified): Results for samples MP-01-(051-088)-202204 (320-86779-1), MP-01-(091-118)-202204 (320-86779-2), MP-01-(121-152)-202204 (320-86779-3), MP-01-(155-195)-202204 (320-86779-4) and MP-01-(198-220)-202204 (320-86779-5) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for sample MP-02-(153-195)-202204 (320-86779-9) was reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits. The percent recovery for the internal standard in the 10X analysis is 99.3% after the dilution factor was applied to the labeled internal standard area count.

Method 537 (modified): Results for sample MP-02-(198-220)-202204 (320-86779-10) was reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits. The percent recovery for the internal standard in the 10X analysis is 99% after the dilution factor was applied to the labeled internal standard area count.

Method 537 (modified): Results for sample MP-03-(160-187)-202204 (320-86779-17) 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-(080-112)-202204 (320-86779-23), MP-04-(115-152)-202204 (320-86779-24), MP-04-(155-192)-202204 (320-86779-25), MW-01-202204 (320-86779-31), MW-04-202204 (320-86779-33), DUP-02-202204 (320-86779-39), DUP-03-202204 (320-86779-40), DUP-04-202204 (320-86779-41) and DUP-05-202204 (320-86779-42) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(051-088)-202204 (320-86779-1), MP-01-(121-152)-202204 (320-86779-3) and MP-01-(155-195)-202204 (320-86779-4). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: MP-05-(SWL-065)-202204 (320-86779-30). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample. Re-analysis confirms the result.

Case Narrative

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Job ID: 320-86779-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-04-202204 (320-86779-33). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. Re-analysis confirms the results.

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

Organic Prep

Method 3535: During the solid phase extraction process, the following sample contained non-settable particulates which clogged the solid phase extraction column: DUP-01-202204 (320-86779-38).
preparation batch 320-581584

Method 3535: The following sample was brown and contained a thin layer of sediment at the bottom of the bottle prior to extraction: DUP-01-202204 (320-86779-38).
preparation batch 320-581584

Method 3535: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: MP-01-(091-118)-202204 (320-86779-2).
preparation batch 320-582100

Method 3535: The following sample was light yellow prior to extraction: MP-01-(091-118)-202204 (320-86779-2).
preparation batch 320-582100

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-582100.
Method code: 3535_PFC_28D

Method 3535: The following samples were yellow prior to extraction: MP-01-(253-274)-202204 (320-86779-7).
preparation batch 320-582245

Method 3535: The following sample was orange prior to extraction: MP-01-(277-293)-202204 (320-86779-8).
preparation batch 320-582245

Method 3535: The following samples contained a thin layer of sediment at the bottom of the bottle prior to extraction: MP-02-(153-195)-202204 (320-86779-9), MP-02-(198-220)-202204 (320-86779-10) and MP-02-(223-250)-202204 (320-86779-11).
preparation batch 320-582245

Method 3535: During the solid phase extraction process, the following sample contain non-settable particulates which clogged the solid phase extraction column: MP-02-(153-195)-202204 (320-86779-9).
preparation batch 320-582245

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-582245.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-584415.

Method 3535: The following samples were observed to be light yellow with a thin layer of sediments at the bottom of the bottle prior to extraction: MP-04-(220-242)-202204 (320-86779-27), MP-04-(245-272)-202204 (320-86779-28), MP-04-(275-291)-202204 (320-86779-29), MP-05-(SWL-065)-202204 (320-86779-30), DUP-04-202204 (320-86779-41) and DUP-06-202204 (320-86779-43).
preparation batch 320-584415

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-584421.

Case Narrative

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Job ID: 320-86779-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

Method 3535: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: MP-02-(253-276)-202204 (320-86779-12), MP-02-(279-300)-202204 (320-86779-13), MP-03-(046-080)-202204 (320-86779-14), MP-03-(083-117)-202204 (320-86779-15), MP-03-(120-157)-202204 (320-86779-16), MP-03-(160-187)-202204 (320-86779-17), MP-03-(190-217)-202204 (320-86779-18), MP-03-(220-242)-202204 (320-86779-19), MP-03-(245-277)-202204 (320-86779-20), MP-03-(280-300)-202204 (320-86779-21) and MP-04-(048-077)-202204 (320-86779-22).
preparation batch 320-585718

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: 320-86779-1

Client Sample ID: MP-01-(051-088)-202204

Lab Sample ID: 320-86779-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	360		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	52		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	13		1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.69	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.6		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		1.9	0.52	ng/L	1		537 (modified)	Total/NA
4:2 FTS	66		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1700		97	24	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		97	28	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	590		97	12	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	980		97	41	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	5400		240	120	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	1500		97	22	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MP-01-(091-118)-202204

Lab Sample ID: 320-86779-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	100		6.6	3.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	450		2.6	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	350		2.6	0.76	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	150		2.6	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	270		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		2.6	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.5	J	2.6	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.6	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.3		2.6	0.71	ng/L	1		537 (modified)	Total/NA
4:2 FTS	26		2.6	0.31	ng/L	1		537 (modified)	Total/NA
8:2 FTS	290		2.6	0.60	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	4000		130	66	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(121-152)-202204

Lab Sample ID: 320-86779-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	340		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	49		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.9		1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.96	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.9		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.9	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	92		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1700		97	24	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		97	28	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	430		97	12	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	980		97	41	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	7500		240	120	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	470		97	22	ng/L	50		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(155-195)-202204

Lab Sample ID: 320-86779-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	340		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	47		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.7		2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.65	J	2.0	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.6		2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	17		2.0	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.0	J	2.0	0.96	ng/L	1		537 (modified)	Total/NA
4:2 FTS	87		2.0	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1600		98	24	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		98	28	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	460		98	12	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	930		98	42	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	6300		240	120	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	430		98	23	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MP-01-(198-220)-202204

Lab Sample ID: 320-86779-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	55		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	270		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	210		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	71		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	150		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.1		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.78	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.23	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.6		2.0	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	15		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	120		2.0	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	2200		98	49	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(223-250)-202204

Lab Sample ID: 320-86779-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide (FOSA)	2.7		2.0	0.96	ng/L	1		537 (modified)	Total/NA
6:2 FTS	2.4	J	4.9	2.4	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(253-274)-202204

Lab Sample ID: 320-86779-7

No Detections.

Client Sample ID: MP-01-(277-293)-202204

Lab Sample ID: 320-86779-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.0		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	26		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	20		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.7		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.90	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(277-293)-202204 (Continued)

Lab Sample ID: 320-86779-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.52	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.5	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
6:2 FTS	250		4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	17		1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202204

Lab Sample ID: 320-86779-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	56		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	260		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	74		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	83		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	15		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	4.0		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.39	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.73	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.7		1.9	0.50	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.0		1.9	0.22	ng/L	1		537 (modified)	Total/NA
8:2 FTS	110		1.9	0.43	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	700		47	23	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-02-(198-220)-202204

Lab Sample ID: 320-86779-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	31		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	140		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	81		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	26		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	27		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.9		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.25	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.57	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.69	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.8		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	13		1.9	0.44	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	470		47	24	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-02-(223-250)-202204

Lab Sample ID: 320-86779-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	5.4		4.9	2.4	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-(253-276)-202204

Lab Sample ID: 320-86779-12

No Detections.

Client Sample ID: MP-02-(279-300)-202204

Lab Sample ID: 320-86779-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	6.4		2.4	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.4		2.4	0.68	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9	J	2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9	J	2.4	1.0	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(279-300)-202204 (Continued)

Lab Sample ID: 320-86779-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	27		5.9	2.9	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.7		2.4	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(046-080)-202204

Lab Sample ID: 320-86779-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	18		8.2	3.9	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	47		3.3	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		3.3	0.95	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	49		3.3	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		3.3	1.4	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.9	J	3.3	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.78	J	3.3	0.51	ng/L	1		537 (modified)	Total/NA
6:2 FTS	6.1	J	8.2	4.1	ng/L	1		537 (modified)	Total/NA
8:2 FTS	12		3.3	0.76	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(083-117)-202204

Lab Sample ID: 320-86779-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		2.3	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.3	0.68	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	58		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		2.3	0.99	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.7		2.3	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	2.3	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.38	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	2.3	0.63	ng/L	1		537 (modified)	Total/NA
6:2 FTS	13		5.8	2.9	ng/L	1		537 (modified)	Total/NA
8:2 FTS	35		2.3	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(120-157)-202204

Lab Sample ID: 320-86779-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		6.6	3.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	29		2.6	0.65	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.6	0.77	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	10		2.6	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.7		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.40	J	2.6	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.46	J	2.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		2.6	0.71	ng/L	1		537 (modified)	Total/NA
NETFOSE	1.2	J	2.6	1.1	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(160-187)-202204

Lab Sample ID: 320-86779-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	51		5.3	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	200		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	120		2.1	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	68		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	52		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.3		2.1	0.29	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(160-187)-202204 (Continued)

Lab Sample ID: 320-86779-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.98	J	2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.43	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.72	J	2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.0	J	2.1	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.4		2.1	0.26	ng/L	1		537 (modified)	Total/NA
8:2 FTS	70		2.1	0.49	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	550		53	27	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-03-(190-217)-202204

Lab Sample ID: 320-86779-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.0	J	2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1	J	2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.94	J	2.2	0.92	ng/L	1		537 (modified)	Total/NA
NETFOSAA	3.6	J	5.4	1.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.8	J	2.2	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(220-242)-202204

Lab Sample ID: 320-86779-19

No Detections.

Client Sample ID: MP-03-(245-277)-202204

Lab Sample ID: 320-86779-20

No Detections.

Client Sample ID: MP-03-(280-300)-202204

Lab Sample ID: 320-86779-21

No Detections.

Client Sample ID: MP-04-(048-077)-202204

Lab Sample ID: 320-86779-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	8.8	J	9.9	4.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	26		4.0	0.97	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	19		4.0	1.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.9		4.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.5		4.0	1.7	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.5	J	4.0	0.48	ng/L	1		537 (modified)	Total/NA
6:2 FTS	150		9.9	5.0	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.9	J	4.0	0.91	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(080-112)-202204

Lab Sample ID: 320-86779-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	49		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	210		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	39		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	62		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.38	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.88	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	15		1.9	0.23	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(080-112)-202204 (Continued)

Lab Sample ID: 320-86779-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	11		1.9	0.43	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	1300		47	24	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-04-(115-152)-202204

Lab Sample ID: 320-86779-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	180		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	160		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	210		1.9	0.82	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)	0.83	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.80	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.78	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.3		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.8		1.9	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.94	ng/L	1		537 (modified)	Total/NA
4:2 FTS	55		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	130		1.9	0.44	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	860		39	9.4	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	680		39	11	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3900		96	48	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-04-(155-192)-202204

Lab Sample ID: 320-86779-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	24		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	96		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	66		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	22		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.4		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	26		1.9	0.44	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	350		24	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(195-217)-202204

Lab Sample ID: 320-86779-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	9.9		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	41		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	32		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.0		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.52	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.4		2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	330		4.9	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.3		2.0	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(220-242)-202204

Lab Sample ID: 320-86779-27

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(245-272)-202204

Lab Sample ID: 320-86779-28

No Detections.

Client Sample ID: MP-04-(275-291)-202204

Lab Sample ID: 320-86779-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.50	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.24	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-05-(SWL-065)-202204

Lab Sample ID: 320-86779-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	24		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	34		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	25		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	21		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.74	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.52	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.54	J	1.9	0.22	ng/L	1		537 (modified)	Total/NA
6:2 FTS	7.0		4.7	2.3	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-01-202204

Lab Sample ID: 320-86779-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	300		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	260		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	13		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.50	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
8:2 FTS	12		1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1200		18	4.5	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	600		18	5.3	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	780		45	23	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MW-03-202204

Lab Sample ID: 320-86779-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.4	J	1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.87	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.55	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-04-202204

Lab Sample ID: 320-86779-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	85		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	28		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.8		1.8	0.99	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-04-202204 (Continued)

Lab Sample ID: 320-86779-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.1		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	20		1.8	0.48	ng/L	1		537 (modified)	Total/NA
4:2 FTS	110		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	530		450	220	ng/L	100		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1800		180	44	ng/L	100		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	3100		180	52	ng/L	100		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	880		180	22	ng/L	100		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1300		180	76	ng/L	100		537 (modified)	Total/NA
6:2 FTS - DL	5900		450	220	ng/L	100		537 (modified)	Total/NA
8:2 FTS - DL	2100		180	41	ng/L	100		537 (modified)	Total/NA

Client Sample ID: MW-05-202204

Lab Sample ID: 320-86779-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	47		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	170		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	110		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	81		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	47		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.4		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.49	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
6:2 FTS	84		4.5	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	41		1.8	0.42	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-06-202204

Lab Sample ID: 320-86779-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.66	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-07-202204

Lab Sample ID: 320-86779-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	1.3	J	1.6	0.16	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-01-202204

Lab Sample ID: 320-86779-37

No Detections.

Client Sample ID: DUP-01-202204

Lab Sample ID: 320-86779-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	54		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	31		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	24		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.72	J	1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.48	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.3	J	4.6	2.3	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-02-202204

Lab Sample ID: 320-86779-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	170		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	140		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	200		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.81	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.70	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	51		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	130		1.9	0.43	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	750		38	9.2	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	660		38	11	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3500		94	47	ng/L	20		537 (modified)	Total/NA

Client Sample ID: DUP-03-202204

Lab Sample ID: 320-86779-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	46		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	190		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	120		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	64		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	51		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.2		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.65	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.32	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.3		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	51		1.9	0.43	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	510		24	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: DUP-04-202204

Lab Sample ID: 320-86779-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	49		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	240		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	71		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	66		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.8		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.5	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.26	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.71	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.8		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	48		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	530		25	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: DUP-05-202204

Lab Sample ID: 320-86779-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	56		5.1	2.5	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-05-202204 (Continued)

Lab Sample ID: 320-86779-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	260		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	190		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	66		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	150		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.6		2.0	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.95	J	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.4		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	15		2.0	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	160		2.0	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	2000		51	26	ng/L	10		537 (modified)	Total/NA

Client Sample ID: DUP-06-202204

Lab Sample ID: 320-86779-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	50		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	170		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	110		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	78		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	49		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.3		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.50	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS	89		4.6	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	40		1.8	0.42	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-EB-202204

Lab Sample ID: 320-86779-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	0.51	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-EB-202204

Lab Sample ID: 320-86779-45

No Detections.

Client Sample ID: MP-03-EB-202204

Lab Sample ID: 320-86779-46

No Detections.

Client Sample ID: MP-04-EB-202204

Lab Sample ID: 320-86779-47

No Detections.

Client Sample ID: MP-05-EB-202204

Lab Sample ID: 320-86779-48

No Detections.

Client Sample ID: MW-07-EB-202204

Lab Sample ID: 320-86779-49

No Detections.

Client Sample ID: FB-01-202204

Lab Sample ID: 320-86779-50

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: FB-02-202204

Lab Sample ID: 320-86779-51

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(051-088)-202204

Lab Sample ID: 320-86779-1

Date Collected: 04/12/22 18:35

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	360		4.8	2.3	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorononanoic acid (PFNA)	52		1.9	0.26	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorodecanoic acid (PFDA)	13		1.9	0.30	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorobutanesulfonic acid (PFBS)	0.69	J	1.9	0.19	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.46	J	1.9	0.29	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorohexanesulfonic acid (PFHxS)	3.6		1.9	0.55	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorooctanesulfonic acid (PFOS)	12		1.9	0.52	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluoronanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		04/22/22 05:52	04/24/22 22:43	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		04/22/22 05:52	04/24/22 22:43	1
NEtFOSA	<0.84		1.9	0.84	ng/L		04/22/22 05:52	04/24/22 22:43	1
NMeFOSA	<0.42		1.9	0.42	ng/L		04/22/22 05:52	04/24/22 22:43	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		04/22/22 05:52	04/24/22 22:43	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		04/22/22 05:52	04/24/22 22:43	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 05:52	04/24/22 22:43	1
NEtFOSE	<0.82		1.9	0.82	ng/L		04/22/22 05:52	04/24/22 22:43	1
4:2 FTS	66		1.9	0.23	ng/L		04/22/22 05:52	04/24/22 22:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		04/22/22 05:52	04/24/22 22:43	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 05:52	04/24/22 22:43	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		04/22/22 05:52	04/24/22 22:43	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		04/22/22 05:52	04/24/22 22:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C5 PFPeA	103		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C2 PFHxA	104		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C4 PFHpA	120		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C4 PFOA	96		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C5 PFNA	122		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C2 PFDA	111		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C2 PFUnA	110		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C2 PFDoA	107		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C2 PFTeDA	93		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C3 PFBS	107		25 - 150				04/22/22 05:52	04/24/22 22:43	1
18O2 PFHxS	109		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C4 PFOS	102		25 - 150				04/22/22 05:52	04/24/22 22:43	1
13C8 FOSA	106		10 - 150				04/22/22 05:52	04/24/22 22:43	1
d3-NMeFOSAA	111		25 - 150				04/22/22 05:52	04/24/22 22:43	1
d5-NEtFOSAA	113		25 - 150				04/22/22 05:52	04/24/22 22:43	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(051-088)-202204

Lab Sample ID: 320-86779-1

Date Collected: 04/12/22 18:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	97		10 - 150	04/22/22 05:52	04/24/22 22:43	1
d-N-EtFOSA-M	100		10 - 150	04/22/22 05:52	04/24/22 22:43	1
d7-N-MeFOSE-M	92		10 - 150	04/22/22 05:52	04/24/22 22:43	1
d9-N-EtFOSE-M	93		10 - 150	04/22/22 05:52	04/24/22 22:43	1
M2-4:2 FTS	128		25 - 150	04/22/22 05:52	04/24/22 22:43	1
M2-6:2 FTS	93		25 - 150	04/22/22 05:52	04/24/22 22:43	1
M2-8:2 FTS	120		25 - 150	04/22/22 05:52	04/24/22 22:43	1
13C3 HFPO-DA	119		25 - 150	04/22/22 05:52	04/24/22 22:43	1
13C2 10:2 FTS	125		25 - 150	04/22/22 05:52	04/24/22 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1700		97	24	ng/L		04/22/22 05:52	04/25/22 19:12	50
Perfluorohexanoic acid (PFHxA)	1200		97	28	ng/L		04/22/22 05:52	04/25/22 19:12	50
Perfluoroheptanoic acid (PFHpA)	590		97	12	ng/L		04/22/22 05:52	04/25/22 19:12	50
Perfluorooctanoic acid (PFOA)	980		97	41	ng/L		04/22/22 05:52	04/25/22 19:12	50
6:2 FTS	5400		240	120	ng/L		04/22/22 05:52	04/25/22 19:12	50
8:2 FTS	1500		97	22	ng/L		04/22/22 05:52	04/25/22 19:12	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	83		25 - 150	04/22/22 05:52	04/25/22 19:12	50
13C2 PFHxA	95		25 - 150	04/22/22 05:52	04/25/22 19:12	50
13C4 PFHpA	99		25 - 150	04/22/22 05:52	04/25/22 19:12	50
13C4 PFOA	98		25 - 150	04/22/22 05:52	04/25/22 19:12	50
M2-6:2 FTS	193	*5+	25 - 150	04/22/22 05:52	04/25/22 19:12	50
M2-8:2 FTS	117		25 - 150	04/22/22 05:52	04/25/22 19:12	50

Client Sample ID: MP-01-(091-118)-202204

Lab Sample ID: 320-86779-2

Date Collected: 04/12/22 18:15

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	100		6.6	3.1	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluoropentanoic acid (PFPeA)	450		2.6	0.64	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorohexanoic acid (PFHxA)	350		2.6	0.76	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluoroheptanoic acid (PFHpA)	150		2.6	0.33	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorooctanoic acid (PFOA)	270		2.6	1.1	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorononanoic acid (PFNA)	16		2.6	0.35	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorodecanoic acid (PFDA)	2.5	J	2.6	0.41	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorododecanoic acid (PFDoA)	<0.72		2.6	0.72	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.6	1.7	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.96		2.6	0.96	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.26		2.6	0.26	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.6	0.39	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.6	0.75	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.25		2.6	0.25	ng/L		04/22/22 05:52	04/24/22 22:53	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(091-118)-202204

Lab Sample ID: 320-86779-2

Date Collected: 04/12/22 18:15

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	5.3		2.6	0.71	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorononanesulfonic acid (PFNS)	<0.49		2.6	0.49	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.42		2.6	0.42	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.6	1.3	ng/L		04/22/22 05:52	04/24/22 22:53	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		04/22/22 05:52	04/24/22 22:53	1
NEtFOSA	<1.1		2.6	1.1	ng/L		04/22/22 05:52	04/24/22 22:53	1
NMeFOSA	<0.56		2.6	0.56	ng/L		04/22/22 05:52	04/24/22 22:53	1
NMeFOSAA	<1.6		6.6	1.6	ng/L		04/22/22 05:52	04/24/22 22:53	1
NEtFOSAA	<1.7		6.6	1.7	ng/L		04/22/22 05:52	04/24/22 22:53	1
NMeFOSE	<1.8		5.2	1.8	ng/L		04/22/22 05:52	04/24/22 22:53	1
NEtFOSE	<1.1		2.6	1.1	ng/L		04/22/22 05:52	04/24/22 22:53	1
4:2 FTS	26		2.6	0.31	ng/L		04/22/22 05:52	04/24/22 22:53	1
8:2 FTS	290		2.6	0.60	ng/L		04/22/22 05:52	04/24/22 22:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.52		2.6	0.52	ng/L		04/22/22 05:52	04/24/22 22:53	1
HFPO-DA (GenX)	<2.0		5.2	2.0	ng/L		04/22/22 05:52	04/24/22 22:53	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		04/22/22 05:52	04/24/22 22:53	1
11Cl-PF3OUdS	<0.42		2.6	0.42	ng/L		04/22/22 05:52	04/24/22 22:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C5 PFPeA	98		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 PFHxA	105		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C4 PFHpA	112		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C4 PFOA	94		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C5 PFNA	108		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 PFDA	102		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 PFUnA	101		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 PFDoA	103		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 PFTeDA	90		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C3 PFBS	96		25 - 150				04/22/22 05:52	04/24/22 22:53	1
18O2 PFHxS	94		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C4 PFOS	99		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C8 FOSA	101		10 - 150				04/22/22 05:52	04/24/22 22:53	1
d3-NMeFOSAA	107		25 - 150				04/22/22 05:52	04/24/22 22:53	1
d5-NEtFOSAA	110		25 - 150				04/22/22 05:52	04/24/22 22:53	1
d-N-MeFOSA-M	95		10 - 150				04/22/22 05:52	04/24/22 22:53	1
d-N-EtFOSA-M	91		10 - 150				04/22/22 05:52	04/24/22 22:53	1
d7-N-MeFOSE-M	79		10 - 150				04/22/22 05:52	04/24/22 22:53	1
d9-N-EtFOSE-M	81		10 - 150				04/22/22 05:52	04/24/22 22:53	1
M2-4:2 FTS	118		25 - 150				04/22/22 05:52	04/24/22 22:53	1
M2-6:2 FTS	82		25 - 150				04/22/22 05:52	04/24/22 22:53	1
M2-8:2 FTS	122		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C3 HFPO-DA	106		25 - 150				04/22/22 05:52	04/24/22 22:53	1
13C2 10:2 FTS	122		25 - 150				04/22/22 05:52	04/24/22 22:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	4000		130	66	ng/L		04/22/22 05:52	04/25/22 18:52	20

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(091-118)-202204

Lab Sample ID: 320-86779-2

Date Collected: 04/12/22 18:15

Matrix: Water

Date Received: 04/14/22 10:45

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	100		25 - 150	04/22/22 05:52	04/25/22 18:52	20

Client Sample ID: MP-01-(121-152)-202204

Lab Sample ID: 320-86779-3

Date Collected: 04/12/22 18:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	340		4.9	2.3	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorononanoic acid (PFNA)	49		1.9	0.26	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorodecanoic acid (PFDA)	2.9		1.9	0.30	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorobutanesulfonic acid (PFBS)	0.96	J	1.9	0.19	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	1.9	0.29	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorohexanesulfonic acid (PFHxS)	5.9		1.9	0.55	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorooctanesulfonic acid (PFOS)	16		1.9	0.53	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		04/22/22 05:52	04/25/22 19:33	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		04/22/22 05:52	04/25/22 19:33	1
NEtFOSA	<0.85		1.9	0.85	ng/L		04/22/22 05:52	04/25/22 19:33	1
NMeFOSA	<0.42		1.9	0.42	ng/L		04/22/22 05:52	04/25/22 19:33	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		04/22/22 05:52	04/25/22 19:33	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		04/22/22 05:52	04/25/22 19:33	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 05:52	04/25/22 19:33	1
NEtFOSE	<0.83		1.9	0.83	ng/L		04/22/22 05:52	04/25/22 19:33	1
4:2 FTS	92		1.9	0.23	ng/L		04/22/22 05:52	04/25/22 19:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		04/22/22 05:52	04/25/22 19:33	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 05:52	04/25/22 19:33	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		04/22/22 05:52	04/25/22 19:33	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		04/22/22 05:52	04/25/22 19:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	156	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C5 PFNA	165	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C2 PFDA	155	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C2 PFUnA	160	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C2 PFDoA	145		25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C2 PFTeDA	158	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C3 PFBS	147		25 - 150	04/22/22 05:52	04/25/22 19:33	1
18O2 PFHxS	150		25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C4 PFOS	142		25 - 150	04/22/22 05:52	04/25/22 19:33	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(121-152)-202204

Lab Sample ID: 320-86779-3

Date Collected: 04/12/22 18:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	145		10 - 150	04/22/22 05:52	04/25/22 19:33	1
d3-NMeFOSAA	150		25 - 150	04/22/22 05:52	04/25/22 19:33	1
d5-NEtFOSAA	159	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
d-N-MeFOSA-M	131		10 - 150	04/22/22 05:52	04/25/22 19:33	1
d-N-EtFOSA-M	136		10 - 150	04/22/22 05:52	04/25/22 19:33	1
d7-N-MeFOSE-M	141		10 - 150	04/22/22 05:52	04/25/22 19:33	1
d9-N-EtFOSE-M	134		10 - 150	04/22/22 05:52	04/25/22 19:33	1
M2-4:2 FTS	158	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C3 HFPO-DA	175	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1
13C2 10:2 FTS	196	*5+	25 - 150	04/22/22 05:52	04/25/22 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1700		97	24	ng/L		04/22/22 05:52	04/25/22 19:22	50
Perfluorohexanoic acid (PFHxA)	1200		97	28	ng/L		04/22/22 05:52	04/25/22 19:22	50
Perfluoroheptanoic acid (PFHpA)	430		97	12	ng/L		04/22/22 05:52	04/25/22 19:22	50
Perfluorooctanoic acid (PFOA)	980		97	41	ng/L		04/22/22 05:52	04/25/22 19:22	50
6:2 FTS	7500		240	120	ng/L		04/22/22 05:52	04/25/22 19:22	50
8:2 FTS	470		97	22	ng/L		04/22/22 05:52	04/25/22 19:22	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	91		25 - 150	04/22/22 05:52	04/25/22 19:22	50
13C2 PFHxA	95		25 - 150	04/22/22 05:52	04/25/22 19:22	50
13C4 PFHpA	108		25 - 150	04/22/22 05:52	04/25/22 19:22	50
13C4 PFOA	100		25 - 150	04/22/22 05:52	04/25/22 19:22	50
M2-6:2 FTS	206	*5+	25 - 150	04/22/22 05:52	04/25/22 19:22	50
M2-8:2 FTS	93		25 - 150	04/22/22 05:52	04/25/22 19:22	50

Client Sample ID: MP-01-(155-195)-202204

Lab Sample ID: 320-86779-4

Date Collected: 04/12/22 17:50

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	340		4.9	2.3	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorononanoic acid (PFNA)	47		2.0	0.26	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorodecanoic acid (PFDA)	2.7		2.0	0.30	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.0	0.20	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluoropentanesulfonic acid (PFPeS)	0.65	J	2.0	0.29	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorohexanesulfonic acid (PFHxS)	5.6		2.0	0.56	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorooctanesulfonic acid (PFOS)	17		2.0	0.53	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		04/22/22 05:52	04/25/22 20:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(155-195)-202204

Lab Sample ID: 320-86779-4

Date Collected: 04/12/22 17:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		04/22/22 05:52	04/25/22 20:03	1
Perfluorooctanesulfonamide (FOSA)	1.0	J	2.0	0.96	ng/L		04/22/22 05:52	04/25/22 20:03	1
NEtFOSA	<0.85		2.0	0.85	ng/L		04/22/22 05:52	04/25/22 20:03	1
NMeFOSA	<0.42		2.0	0.42	ng/L		04/22/22 05:52	04/25/22 20:03	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		04/22/22 05:52	04/25/22 20:03	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		04/22/22 05:52	04/25/22 20:03	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 05:52	04/25/22 20:03	1
NEtFOSE	<0.83		2.0	0.83	ng/L		04/22/22 05:52	04/25/22 20:03	1
4:2 FTS	87		2.0	0.23	ng/L		04/22/22 05:52	04/25/22 20:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		04/22/22 05:52	04/25/22 20:03	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 05:52	04/25/22 20:03	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		04/22/22 05:52	04/25/22 20:03	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/25/22 20:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	155	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C5 PFNA	169	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C2 PFDA	159	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C2 PFUnA	157	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C2 PFDoA	159	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C2 PFTeDA	152	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C3 PFBS	148		25 - 150				04/22/22 05:52	04/25/22 20:03	1
18O2 PFHxS	146		25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C4 PFOS	135		25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C8 FOSA	138		10 - 150				04/22/22 05:52	04/25/22 20:03	1
d3-NMeFOSAA	141		25 - 150				04/22/22 05:52	04/25/22 20:03	1
d5-NEtFOSAA	156	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
d-N-MeFOSA-M	129		10 - 150				04/22/22 05:52	04/25/22 20:03	1
d-N-EtFOSA-M	132		10 - 150				04/22/22 05:52	04/25/22 20:03	1
d7-N-MeFOSE-M	138		10 - 150				04/22/22 05:52	04/25/22 20:03	1
d9-N-EtFOSE-M	138		10 - 150				04/22/22 05:52	04/25/22 20:03	1
M2-4:2 FTS	162	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C3 HFPO-DA	176	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1
13C2 10:2 FTS	181	*5+	25 - 150				04/22/22 05:52	04/25/22 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1600		98	24	ng/L		04/22/22 05:52	04/25/22 19:53	50
Perfluorohexanoic acid (PFHxA)	1200		98	28	ng/L		04/22/22 05:52	04/25/22 19:53	50
Perfluoroheptanoic acid (PFHpA)	460		98	12	ng/L		04/22/22 05:52	04/25/22 19:53	50
Perfluorooctanoic acid (PFOA)	930		98	42	ng/L		04/22/22 05:52	04/25/22 19:53	50
6:2 FTS	6300		240	120	ng/L		04/22/22 05:52	04/25/22 19:53	50
8:2 FTS	430		98	23	ng/L		04/22/22 05:52	04/25/22 19:53	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	86		25 - 150				04/22/22 05:52	04/25/22 19:53	50
13C2 PFHxA	86		25 - 150				04/22/22 05:52	04/25/22 19:53	50
13C4 PFHpA	98		25 - 150				04/22/22 05:52	04/25/22 19:53	50

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(155-195)-202204

Lab Sample ID: 320-86779-4

Date Collected: 04/12/22 17:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	94		25 - 150	04/22/22 05:52	04/25/22 19:53	50
M2-6:2 FTS	220	*5+	25 - 150	04/22/22 05:52	04/25/22 19:53	50
M2-8:2 FTS	99		25 - 150	04/22/22 05:52	04/25/22 19:53	50

Client Sample ID: MP-01-(198-220)-202204

Lab Sample ID: 320-86779-5

Date Collected: 04/12/22 17:30

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	55		4.9	2.4	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluoropentanoic acid (PFPeA)	270		2.0	0.48	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorohexanoic acid (PFHxA)	210		2.0	0.57	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluoroheptanoic acid (PFHpA)	71		2.0	0.25	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorooctanoic acid (PFOA)	150		2.0	0.84	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorononanoic acid (PFNA)	7.1		2.0	0.27	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorodecanoic acid (PFDA)	0.78	J	2.0	0.30	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorobutanesulfonic acid (PFBS)	0.23	J	2.0	0.20	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.0	0.56	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorooctanesulfonic acid (PFOS)	2.6		2.0	0.53	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		04/22/22 05:52	04/24/22 23:24	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		04/22/22 05:52	04/24/22 23:24	1
NEtFOSA	<0.86		2.0	0.86	ng/L		04/22/22 05:52	04/24/22 23:24	1
NMeFOSA	<0.42		2.0	0.42	ng/L		04/22/22 05:52	04/24/22 23:24	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		04/22/22 05:52	04/24/22 23:24	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		04/22/22 05:52	04/24/22 23:24	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 05:52	04/24/22 23:24	1
NEtFOSE	<0.84		2.0	0.84	ng/L		04/22/22 05:52	04/24/22 23:24	1
4:2 FTS	15		2.0	0.24	ng/L		04/22/22 05:52	04/24/22 23:24	1
8:2 FTS	120		2.0	0.45	ng/L		04/22/22 05:52	04/24/22 23:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		04/22/22 05:52	04/24/22 23:24	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 05:52	04/24/22 23:24	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/22/22 05:52	04/24/22 23:24	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/24/22 23:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				04/22/22 05:52	04/24/22 23:24	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(198-220)-202204

Lab Sample ID: 320-86779-5

Date Collected: 04/12/22 17:30

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	95		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 PFHxA	99		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C4 PFHpA	108		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C4 PFOA	97		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C5 PFNA	106		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 PFDA	100		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 PFUnA	108		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 PFDoA	95		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 PFTeDA	101		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C3 PFBS	91		25 - 150	04/22/22 05:52	04/24/22 23:24	1
18O2 PFHxS	95		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C4 PFOS	94		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C8 FOSA	96		10 - 150	04/22/22 05:52	04/24/22 23:24	1
d3-NMeFOSAA	101		25 - 150	04/22/22 05:52	04/24/22 23:24	1
d5-NEtFOSAA	133		25 - 150	04/22/22 05:52	04/24/22 23:24	1
d-N-MeFOSA-M	90		10 - 150	04/22/22 05:52	04/24/22 23:24	1
d-N-EtFOSA-M	89		10 - 150	04/22/22 05:52	04/24/22 23:24	1
d7-N-MeFOSE-M	87		10 - 150	04/22/22 05:52	04/24/22 23:24	1
d9-N-EtFOSE-M	85		10 - 150	04/22/22 05:52	04/24/22 23:24	1
M2-4:2 FTS	115		25 - 150	04/22/22 05:52	04/24/22 23:24	1
M2-6:2 FTS	86		25 - 150	04/22/22 05:52	04/24/22 23:24	1
M2-8:2 FTS	121		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C3 HFPO-DA	103		25 - 150	04/22/22 05:52	04/24/22 23:24	1
13C2 10:2 FTS	128		25 - 150	04/22/22 05:52	04/24/22 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	2200		98	49	ng/L		04/22/22 05:52	04/25/22 19:02	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	111		25 - 150	04/22/22 05:52	04/25/22 19:02	20

Client Sample ID: MP-01-(223-250)-202204

Lab Sample ID: 320-86779-6

Date Collected: 04/12/22 17:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		04/22/22 05:52	04/24/22 23:34	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/22/22 05:52	04/24/22 23:34	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(223-250)-202204

Lab Sample ID: 320-86779-6

Date Collected: 04/12/22 17:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		04/22/22 05:52	04/24/22 23:34	1
Perfluorooctanesulfonamide (FOSA)	2.7		2.0	0.96	ng/L		04/22/22 05:52	04/24/22 23:34	1
NEtFOSA	<0.85		2.0	0.85	ng/L		04/22/22 05:52	04/24/22 23:34	1
NMeFOSA	<0.42		2.0	0.42	ng/L		04/22/22 05:52	04/24/22 23:34	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		04/22/22 05:52	04/24/22 23:34	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		04/22/22 05:52	04/24/22 23:34	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 05:52	04/24/22 23:34	1
NEtFOSE	<0.83		2.0	0.83	ng/L		04/22/22 05:52	04/24/22 23:34	1
4:2 FTS	<0.23		2.0	0.23	ng/L		04/22/22 05:52	04/24/22 23:34	1
6:2 FTS	2.4 J		4.9	2.4	ng/L		04/22/22 05:52	04/24/22 23:34	1
8:2 FTS	<0.45		2.0	0.45	ng/L		04/22/22 05:52	04/24/22 23:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		04/22/22 05:52	04/24/22 23:34	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 05:52	04/24/22 23:34	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		04/22/22 05:52	04/24/22 23:34	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/24/22 23:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C5 PFPeA	90		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C2 PFHxA	95		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C4 PFHpA	103		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C4 PFOA	96		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C5 PFNA	98		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C2 PFDA	95		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C2 PFUnA	95		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C2 PFDoA	86		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C2 PFTeDA	97		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C3 PFBS	88		25 - 150				04/22/22 05:52	04/24/22 23:34	1
18O2 PFHxS	92		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C4 PFOS	90		25 - 150				04/22/22 05:52	04/24/22 23:34	1
13C8 FOSA	100		10 - 150				04/22/22 05:52	04/24/22 23:34	1
d3-NMeFOSAA	90		25 - 150				04/22/22 05:52	04/24/22 23:34	1
d5-NEtFOSAA	98		25 - 150				04/22/22 05:52	04/24/22 23:34	1
d-N-MeFOSA-M	82		10 - 150				04/22/22 05:52	04/24/22 23:34	1
d-N-EtFOSA-M	85		10 - 150				04/22/22 05:52	04/24/22 23:34	1
d7-N-MeFOSE-M	78		10 - 150				04/22/22 05:52	04/24/22 23:34	1
d9-N-EtFOSE-M	83		10 - 150				04/22/22 05:52	04/24/22 23:34	1
M2-4:2 FTS	112		25 - 150				04/22/22 05:52	04/24/22 23:34	1
M2-6:2 FTS	115		25 - 150				04/22/22 05:52	04/24/22 23:34	1
M2-8:2 FTS	137		25 - 150				04/22/22 05:52	04/24/22 23:34	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(223-250)-202204

Lab Sample ID: 320-86779-6

Date Collected: 04/12/22 17:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	100		25 - 150	04/22/22 05:52	04/24/22 23:34	1
13C2 10:2 FTS	123		25 - 150	04/22/22 05:52	04/24/22 23:34	1

Client Sample ID: MP-01-(253-274)-202204

Lab Sample ID: 320-86779-7

Date Collected: 04/12/22 16:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		04/22/22 12:37	04/24/22 01:04	1
Perfluoropentanoic acid (PFPeA)	<0.54		2.2	0.54	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorononanoic acid (PFNA)	<0.30		2.2	0.30	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorotetradecanoic acid (PFTTeA)	<0.80		2.2	0.80	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		04/22/22 12:37	04/24/22 01:04	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		04/22/22 12:37	04/24/22 01:04	1
NEtFOSA	<0.95		2.2	0.95	ng/L		04/22/22 12:37	04/24/22 01:04	1
NMeFOSA	<0.47		2.2	0.47	ng/L		04/22/22 12:37	04/24/22 01:04	1
NMeFOSAA	<1.3		5.5	1.3	ng/L		04/22/22 12:37	04/24/22 01:04	1
NEtFOSAA	<1.4		5.5	1.4	ng/L		04/22/22 12:37	04/24/22 01:04	1
NMeFOSE	<1.5		4.4	1.5	ng/L		04/22/22 12:37	04/24/22 01:04	1
NEtFOSE	<0.93		2.2	0.93	ng/L		04/22/22 12:37	04/24/22 01:04	1
4:2 FTS	<0.26		2.2	0.26	ng/L		04/22/22 12:37	04/24/22 01:04	1
6:2 FTS	<2.7		5.5	2.7	ng/L		04/22/22 12:37	04/24/22 01:04	1
8:2 FTS	<0.50		2.2	0.50	ng/L		04/22/22 12:37	04/24/22 01:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		04/22/22 12:37	04/24/22 01:04	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		04/22/22 12:37	04/24/22 01:04	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		04/22/22 12:37	04/24/22 01:04	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		04/22/22 12:37	04/24/22 01:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C5 PFPeA	99		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 PFHxA	103		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C4 PFHpA	111		25 - 150	04/22/22 12:37	04/24/22 01:04	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(253-274)-202204

Lab Sample ID: 320-86779-7

Date Collected: 04/12/22 16:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	99		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C5 PFNA	105		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 PFDA	97		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 PFUnA	103		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 PFDoA	101		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 PFTeDA	100		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C3 PFBS	94		25 - 150	04/22/22 12:37	04/24/22 01:04	1
18O2 PFHxS	97		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C4 PFOS	94		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C8 FOSA	99		10 - 150	04/22/22 12:37	04/24/22 01:04	1
d3-NMeFOSAA	109		25 - 150	04/22/22 12:37	04/24/22 01:04	1
d5-NEtFOSAA	111		25 - 150	04/22/22 12:37	04/24/22 01:04	1
d-N-MeFOSA-M	83		10 - 150	04/22/22 12:37	04/24/22 01:04	1
d-N-EtFOSA-M	82		10 - 150	04/22/22 12:37	04/24/22 01:04	1
d7-N-MeFOSE-M	89		10 - 150	04/22/22 12:37	04/24/22 01:04	1
d9-N-EtFOSE-M	84		10 - 150	04/22/22 12:37	04/24/22 01:04	1
M2-4:2 FTS	113		25 - 150	04/22/22 12:37	04/24/22 01:04	1
M2-6:2 FTS	123		25 - 150	04/22/22 12:37	04/24/22 01:04	1
M2-8:2 FTS	113		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C3 HFPO-DA	106		25 - 150	04/22/22 12:37	04/24/22 01:04	1
13C2 10:2 FTS	122		25 - 150	04/22/22 12:37	04/24/22 01:04	1

Client Sample ID: MP-01-(277-293)-202204

Lab Sample ID: 320-86779-8

Date Collected: 04/12/22 16:35

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.0		4.8	2.3	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluoropentanoic acid (PFPeA)	26		1.9	0.47	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorohexanoic acid (PFHxA)	20		1.9	0.55	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluoroheptanoic acid (PFHpA)	7.7		1.9	0.24	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorooctanoic acid (PFOA)	15		1.9	0.81	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorononanoic acid (PFNA)	0.90	J	1.9	0.26	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorooctanesulfonic acid (PFOS)	0.52	J	1.9	0.52	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		04/22/22 12:37	04/24/22 01:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		04/22/22 12:37	04/24/22 01:15	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(277-293)-202204

Lab Sample ID: 320-86779-8

Date Collected: 04/12/22 16:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		04/22/22 12:37	04/24/22 01:15	1
NEtFOSA	<0.83		1.9	0.83	ng/L		04/22/22 12:37	04/24/22 01:15	1
NMeFOSA	<0.41		1.9	0.41	ng/L		04/22/22 12:37	04/24/22 01:15	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		04/22/22 12:37	04/24/22 01:15	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		04/22/22 12:37	04/24/22 01:15	1
NMeFOSE	<1.3		3.8	1.3	ng/L		04/22/22 12:37	04/24/22 01:15	1
NEtFOSE	<0.81		1.9	0.81	ng/L		04/22/22 12:37	04/24/22 01:15	1
4:2 FTS	1.5	J	1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:15	1
6:2 FTS	250		4.8	2.4	ng/L		04/22/22 12:37	04/24/22 01:15	1
8:2 FTS	17		1.9	0.44	ng/L		04/22/22 12:37	04/24/22 01:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		04/22/22 12:37	04/24/22 01:15	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		04/22/22 12:37	04/24/22 01:15	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:15	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		04/22/22 12:37	04/24/22 01:15	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	94		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C5 PFPeA	98		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 PFHxA	103		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C4 PFHpA	104		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C4 PFOA	103		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C5 PFNA	102		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 PFDA	97		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 PFUnA	102		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 PFDoA	96		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 PFTeDA	97		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C3 PFBS	95		25 - 150				04/22/22 12:37	04/24/22 01:15	1
18O2 PFHxS	97		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C4 PFOS	95		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C8 FOSA	102		10 - 150				04/22/22 12:37	04/24/22 01:15	1
d3-NMeFOSAA	107		25 - 150				04/22/22 12:37	04/24/22 01:15	1
d5-NEtFOSAA	102		25 - 150				04/22/22 12:37	04/24/22 01:15	1
d-N-MeFOSA-M	94		10 - 150				04/22/22 12:37	04/24/22 01:15	1
d-N-EtFOSA-M	92		10 - 150				04/22/22 12:37	04/24/22 01:15	1
d7-N-MeFOSE-M	78		10 - 150				04/22/22 12:37	04/24/22 01:15	1
d9-N-EtFOSE-M	76		10 - 150				04/22/22 12:37	04/24/22 01:15	1
M2-4:2 FTS	126		25 - 150				04/22/22 12:37	04/24/22 01:15	1
M2-6:2 FTS	114		25 - 150				04/22/22 12:37	04/24/22 01:15	1
M2-8:2 FTS	120		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C3 HFPO-DA	101		25 - 150				04/22/22 12:37	04/24/22 01:15	1
13C2 10:2 FTS	130		25 - 150				04/22/22 12:37	04/24/22 01:15	1

Client Sample ID: MP-02-(153-195)-202204

Lab Sample ID: 320-86779-9

Date Collected: 04/12/22 14:50

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	56		4.7	2.2	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluoropentanoic acid (PFPeA)	260		1.9	0.46	ng/L		04/22/22 12:37	04/24/22 01:25	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(153-195)-202204

Lab Sample ID: 320-86779-9

Date Collected: 04/12/22 14:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	170		1.9	0.54	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluoroheptanoic acid (PFHpA)	74		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorooctanoic acid (PFOA)	83		1.9	0.79	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorononanoic acid (PFNA)	15		1.9	0.25	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorodecanoic acid (PFDA)	4.0		1.9	0.29	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorobutanesulfonic acid (PFBS)	0.39	J	1.9	0.19	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.73	J	1.9	0.53	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorooctanesulfonic acid (PFOS)	2.7		1.9	0.50	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		04/22/22 12:37	04/24/22 01:25	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		04/22/22 12:37	04/24/22 01:25	1
NEtFOSA	<0.81		1.9	0.81	ng/L		04/22/22 12:37	04/24/22 01:25	1
NMeFOSA	<0.40		1.9	0.40	ng/L		04/22/22 12:37	04/24/22 01:25	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		04/22/22 12:37	04/24/22 01:25	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		04/22/22 12:37	04/24/22 01:25	1
NMeFOSE	<1.3		3.7	1.3	ng/L		04/22/22 12:37	04/24/22 01:25	1
NEtFOSE	<0.79		1.9	0.79	ng/L		04/22/22 12:37	04/24/22 01:25	1
4:2 FTS	3.0		1.9	0.22	ng/L		04/22/22 12:37	04/24/22 01:25	1
8:2 FTS	110		1.9	0.43	ng/L		04/22/22 12:37	04/24/22 01:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		04/22/22 12:37	04/24/22 01:25	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		04/22/22 12:37	04/24/22 01:25	1
9CI-PF3ONS	<0.22		1.9	0.22	ng/L		04/22/22 12:37	04/24/22 01:25	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C5 PFPeA	90		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C2 PFHxA	88		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C4 PFHpA	95		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C4 PFOA	94		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C5 PFNA	95		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C2 PFDA	90		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C2 PFUnA	86		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C2 PFDoA	77		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C2 PFTeDA	78		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C3 PFBS	93		25 - 150				04/22/22 12:37	04/24/22 01:25	1
18O2 PFHxS	91		25 - 150				04/22/22 12:37	04/24/22 01:25	1
13C4 PFOS	82		25 - 150				04/22/22 12:37	04/24/22 01:25	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(153-195)-202204

Lab Sample ID: 320-86779-9

Date Collected: 04/12/22 14:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	89		10 - 150	04/22/22 12:37	04/24/22 01:25	1
d3-NMeFOSAA	86		25 - 150	04/22/22 12:37	04/24/22 01:25	1
d5-NEtFOSAA	87		25 - 150	04/22/22 12:37	04/24/22 01:25	1
d-N-MeFOSA-M	61		10 - 150	04/22/22 12:37	04/24/22 01:25	1
d-N-EtFOSA-M	60		10 - 150	04/22/22 12:37	04/24/22 01:25	1
d7-N-MeFOSE-M	69		10 - 150	04/22/22 12:37	04/24/22 01:25	1
d9-N-EtFOSE-M	67		10 - 150	04/22/22 12:37	04/24/22 01:25	1
M2-4:2 FTS	106		25 - 150	04/22/22 12:37	04/24/22 01:25	1
M2-8:2 FTS	105		25 - 150	04/22/22 12:37	04/24/22 01:25	1
13C3 HFPO-DA	94		25 - 150	04/22/22 12:37	04/24/22 01:25	1
13C2 10:2 FTS	105		25 - 150	04/22/22 12:37	04/24/22 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	700		47	23	ng/L		04/22/22 12:37	04/25/22 07:11	10
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	107		25 - 150	04/22/22 12:37	04/25/22 07:11	10			

Client Sample ID: MP-02-(198-220)-202204

Lab Sample ID: 320-86779-10

Date Collected: 04/12/22 14:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	31		4.7	2.3	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluoropentanoic acid (PFPeA)	140		1.9	0.47	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorohexanoic acid (PFHxA)	81		1.9	0.55	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluoroheptanoic acid (PFHpA)	26		1.9	0.24	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorooctanoic acid (PFOA)	27		1.9	0.81	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorononanoic acid (PFNA)	1.9		1.9	0.26	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorobutanesulfonic acid (PFBS)	0.25 J		1.9	0.19	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorohexanesulfonic acid (PFHxS)	0.57 J		1.9	0.54	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorooctanesulfonic acid (PFOS)	0.69 J		1.9	0.51	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		04/22/22 12:37	04/24/22 01:35	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		04/22/22 12:37	04/24/22 01:35	1
NEtFOSA	<0.83		1.9	0.83	ng/L		04/22/22 12:37	04/24/22 01:35	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(198-220)-202204

Lab Sample ID: 320-86779-10

Date Collected: 04/12/22 14:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.41		1.9	0.41	ng/L		04/22/22 12:37	04/24/22 01:35	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		04/22/22 12:37	04/24/22 01:35	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		04/22/22 12:37	04/24/22 01:35	1
NMeFOSE	<1.3		3.8	1.3	ng/L		04/22/22 12:37	04/24/22 01:35	1
NEtFOSE	<0.81		1.9	0.81	ng/L		04/22/22 12:37	04/24/22 01:35	1
4:2 FTS	4.8		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:35	1
8:2 FTS	13		1.9	0.44	ng/L		04/22/22 12:37	04/24/22 01:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		04/22/22 12:37	04/24/22 01:35	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		04/22/22 12:37	04/24/22 01:35	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:35	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C5 PFPeA	95		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 PFHxA	97		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C4 PFHpA	102		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C4 PFOA	98		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C5 PFNA	97		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 PFDA	95		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 PFUnA	98		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 PFDoA	91		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 PFTeDA	98		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C3 PFBS	93		25 - 150	04/22/22 12:37	04/24/22 01:35	1
18O2 PFHxS	95		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C4 PFOS	92		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C8 FOSA	100		10 - 150	04/22/22 12:37	04/24/22 01:35	1
d3-NMeFOSAA	97		25 - 150	04/22/22 12:37	04/24/22 01:35	1
d5-NEtFOSAA	106		25 - 150	04/22/22 12:37	04/24/22 01:35	1
d-N-MeFOSA-M	83		10 - 150	04/22/22 12:37	04/24/22 01:35	1
d-N-EtFOSA-M	84		10 - 150	04/22/22 12:37	04/24/22 01:35	1
d7-N-MeFOSE-M	79		10 - 150	04/22/22 12:37	04/24/22 01:35	1
d9-N-EtFOSE-M	82		10 - 150	04/22/22 12:37	04/24/22 01:35	1
M2-4:2 FTS	117		25 - 150	04/22/22 12:37	04/24/22 01:35	1
M2-8:2 FTS	124		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C3 HFPO-DA	99		25 - 150	04/22/22 12:37	04/24/22 01:35	1
13C2 10:2 FTS	127		25 - 150	04/22/22 12:37	04/24/22 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	470		47	24	ng/L		04/22/22 12:37	04/25/22 07:21	10
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	108		25 - 150	04/22/22 12:37	04/25/22 07:21	10			

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(223-250)-202204

Lab Sample ID: 320-86779-11

Date Collected: 04/12/22 13:35

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		04/22/22 12:37	04/24/22 01:45	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		04/22/22 12:37	04/24/22 01:45	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		04/22/22 12:37	04/24/22 01:45	1
NEtFOSA	<0.85		1.9	0.85	ng/L		04/22/22 12:37	04/24/22 01:45	1
NMeFOSA	<0.42		1.9	0.42	ng/L		04/22/22 12:37	04/24/22 01:45	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		04/22/22 12:37	04/24/22 01:45	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		04/22/22 12:37	04/24/22 01:45	1
NMeFOSE	<1.4		3.9	1.4	ng/L		04/22/22 12:37	04/24/22 01:45	1
NEtFOSE	<0.83		1.9	0.83	ng/L		04/22/22 12:37	04/24/22 01:45	1
4:2 FTS	<0.23		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:45	1
6:2 FTS	5.4		4.9	2.4	ng/L		04/22/22 12:37	04/24/22 01:45	1
8:2 FTS	<0.45		1.9	0.45	ng/L		04/22/22 12:37	04/24/22 01:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		04/22/22 12:37	04/24/22 01:45	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		04/22/22 12:37	04/24/22 01:45	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		04/22/22 12:37	04/24/22 01:45	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		04/22/22 12:37	04/24/22 01:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C5 PFPeA	95		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 PFHxA	98		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C4 PFHpA	106		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C4 PFOA	101		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C5 PFNA	105		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 PFDA	98		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 PFUnA	100		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 PFDoA	91		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 PFTeDA	103		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C3 PFBS	95		25 - 150	04/22/22 12:37	04/24/22 01:45	1
18O2 PFHxS	95		25 - 150	04/22/22 12:37	04/24/22 01:45	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(223-250)-202204

Lab Sample ID: 320-86779-11

Date Collected: 04/12/22 13:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	93		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C8 FOSA	102		10 - 150	04/22/22 12:37	04/24/22 01:45	1
d3-NMeFOSAA	99		25 - 150	04/22/22 12:37	04/24/22 01:45	1
d5-NEtFOSAA	105		25 - 150	04/22/22 12:37	04/24/22 01:45	1
d-N-MeFOSA-M	82		10 - 150	04/22/22 12:37	04/24/22 01:45	1
d-N-EtFOSA-M	90		10 - 150	04/22/22 12:37	04/24/22 01:45	1
d7-N-MeFOSE-M	87		10 - 150	04/22/22 12:37	04/24/22 01:45	1
d9-N-EtFOSE-M	87		10 - 150	04/22/22 12:37	04/24/22 01:45	1
M2-4:2 FTS	123		25 - 150	04/22/22 12:37	04/24/22 01:45	1
M2-6:2 FTS	121		25 - 150	04/22/22 12:37	04/24/22 01:45	1
M2-8:2 FTS	132		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C3 HFPO-DA	100		25 - 150	04/22/22 12:37	04/24/22 01:45	1
13C2 10:2 FTS	126		25 - 150	04/22/22 12:37	04/24/22 01:45	1

Client Sample ID: MP-02-(253-276)-202204

Lab Sample ID: 320-86779-12

Date Collected: 04/12/22 13:25

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorooctanoic acid (PFOA)	<0.92		2.2	0.92	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 18:31	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 18:31	1
NEtFOSA	<0.94		2.2	0.94	ng/L		05/06/22 11:55	05/07/22 18:31	1
NMeFOSA	<0.47		2.2	0.47	ng/L		05/06/22 11:55	05/07/22 18:31	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		05/06/22 11:55	05/07/22 18:31	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		05/06/22 11:55	05/07/22 18:31	1
NMeFOSE	<1.5		4.3	1.5	ng/L		05/06/22 11:55	05/07/22 18:31	1
NEtFOSE	<0.92		2.2	0.92	ng/L		05/06/22 11:55	05/07/22 18:31	1
4:2 FTS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 18:31	1
6:2 FTS	<2.7		5.4	2.7	ng/L		05/06/22 11:55	05/07/22 18:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(253-276)-202204

Lab Sample ID: 320-86779-12

Date Collected: 04/12/22 13:25

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.50		2.2	0.50	ng/L		05/06/22 11:55	05/07/22 18:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		05/06/22 11:55	05/07/22 18:31	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		05/06/22 11:55	05/07/22 18:31	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 18:31	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 18:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C5 PFPeA	87		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 PFHxA	100		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C4 PFHpA	105		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C4 PFOA	99		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C5 PFNA	103		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 PFDA	100		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 PFUnA	95		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 PFDoA	93		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 PFTeDA	91		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C3 PFBS	81		25 - 150				05/06/22 11:55	05/07/22 18:31	1
18O2 PFHxS	82		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C4 PFOS	79		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C8 FOSA	82		10 - 150				05/06/22 11:55	05/07/22 18:31	1
d3-NMeFOSAA	76		25 - 150				05/06/22 11:55	05/07/22 18:31	1
d5-NEtFOSAA	89		25 - 150				05/06/22 11:55	05/07/22 18:31	1
d-N-MeFOSA-M	79		10 - 150				05/06/22 11:55	05/07/22 18:31	1
d-N-EtFOSA-M	80		10 - 150				05/06/22 11:55	05/07/22 18:31	1
d7-N-MeFOSE-M	80		10 - 150				05/06/22 11:55	05/07/22 18:31	1
d9-N-EtFOSE-M	72		10 - 150				05/06/22 11:55	05/07/22 18:31	1
M2-4:2 FTS	114		25 - 150				05/06/22 11:55	05/07/22 18:31	1
M2-6:2 FTS	112		25 - 150				05/06/22 11:55	05/07/22 18:31	1
M2-8:2 FTS	122		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C3 HFPO-DA	101		25 - 150				05/06/22 11:55	05/07/22 18:31	1
13C2 10:2 FTS	115		25 - 150				05/06/22 11:55	05/07/22 18:31	1

Client Sample ID: MP-02-(279-300)-202204

Lab Sample ID: 320-86779-13

Date Collected: 04/12/22 13:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.9	2.8	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluoropentanoic acid (PFPeA)	6.4		2.4	0.58	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorohexanoic acid (PFHxA)	4.4		2.4	0.68	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluoroheptanoic acid (PFHpA)	1.9 J		2.4	0.29	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorooctanoic acid (PFOA)	1.9 J		2.4	1.0	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorononanoic acid (PFNA)	<0.32		2.4	0.32	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorododecanoic acid (PFDoA)	<0.65		2.4	0.65	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.4	1.5	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.86		2.4	0.86	ng/L		05/06/22 11:55	05/07/22 18:42	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(279-300)-202204

Lab Sample ID: 320-86779-13

Date Collected: 04/12/22 13:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.24		2.4	0.24	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.4	0.35	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorohexanesulfonic acid (PFHxS)	<0.67		2.4	0.67	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.4	0.22	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.64		2.4	0.64	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.4	1.1	ng/L		05/06/22 11:55	05/07/22 18:42	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		05/06/22 11:55	05/07/22 18:42	1
NEtFOSA	<1.0		2.4	1.0	ng/L		05/06/22 11:55	05/07/22 18:42	1
NMeFOSA	<0.51		2.4	0.51	ng/L		05/06/22 11:55	05/07/22 18:42	1
NMeFOSAA	<1.4		5.9	1.4	ng/L		05/06/22 11:55	05/07/22 18:42	1
NEtFOSAA	<1.5		5.9	1.5	ng/L		05/06/22 11:55	05/07/22 18:42	1
NMeFOSE	<1.6		4.7	1.6	ng/L		05/06/22 11:55	05/07/22 18:42	1
NEtFOSE	<1.0		2.4	1.0	ng/L		05/06/22 11:55	05/07/22 18:42	1
4:2 FTS	<0.28		2.4	0.28	ng/L		05/06/22 11:55	05/07/22 18:42	1
6:2 FTS	27		5.9	2.9	ng/L		05/06/22 11:55	05/07/22 18:42	1
8:2 FTS	3.7		2.4	0.54	ng/L		05/06/22 11:55	05/07/22 18:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.4	0.47	ng/L		05/06/22 11:55	05/07/22 18:42	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		05/06/22 11:55	05/07/22 18:42	1
9CI-PF3ONS	<0.28		2.4	0.28	ng/L		05/06/22 11:55	05/07/22 18:42	1
11CI-PF3OUdS	<0.38		2.4	0.38	ng/L		05/06/22 11:55	05/07/22 18:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C5 PFPeA	86		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 PFHxA	91		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C4 PFHpA	99		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C4 PFOA	96		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C5 PFNA	95		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 PFDA	94		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 PFUnA	92		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 PFDoA	89		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 PFTeDA	90		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C3 PFBS	78		25 - 150	05/06/22 11:55	05/07/22 18:42	1
18O2 PFHxS	80		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C4 PFOS	79		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C8 FOSA	79		10 - 150	05/06/22 11:55	05/07/22 18:42	1
d3-NMeFOSAA	74		25 - 150	05/06/22 11:55	05/07/22 18:42	1
d5-NEtFOSAA	95		25 - 150	05/06/22 11:55	05/07/22 18:42	1
d-N-MeFOSA-M	75		10 - 150	05/06/22 11:55	05/07/22 18:42	1
d-N-EtFOSA-M	76		10 - 150	05/06/22 11:55	05/07/22 18:42	1
d7-N-MeFOSE-M	70		10 - 150	05/06/22 11:55	05/07/22 18:42	1
d9-N-EtFOSE-M	68		10 - 150	05/06/22 11:55	05/07/22 18:42	1
M2-4:2 FTS	111		25 - 150	05/06/22 11:55	05/07/22 18:42	1
M2-6:2 FTS	107		25 - 150	05/06/22 11:55	05/07/22 18:42	1
M2-8:2 FTS	107		25 - 150	05/06/22 11:55	05/07/22 18:42	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(279-300)-202204

Lab Sample ID: 320-86779-13

Date Collected: 04/12/22 13:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	98		25 - 150	05/06/22 11:55	05/07/22 18:42	1
13C2 10:2 FTS	115		25 - 150	05/06/22 11:55	05/07/22 18:42	1

Client Sample ID: MP-03-(046-080)-202204

Lab Sample ID: 320-86779-14

Date Collected: 04/12/22 12:25

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		8.2	3.9	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluoropentanoic acid (PFPeA)	47		3.3	0.81	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorohexanoic acid (PFHxA)	25		3.3	0.95	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluoroheptanoic acid (PFHpA)	49		3.3	0.41	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorooctanoic acid (PFOA)	15		3.3	1.4	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorononanoic acid (PFNA)	1.9	J	3.3	0.44	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorodecanoic acid (PFDA)	0.78	J	3.3	0.51	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluoroundecanoic acid (PFUnA)	<1.8		3.3	1.8	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorododecanoic acid (PFDoA)	<0.90		3.3	0.90	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorotridecanoic acid (PFTTrDA)	<2.1		3.3	2.1	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorotetradecanoic acid (PFTTeA)	<1.2		3.3	1.2	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.33		3.3	0.33	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.49		3.3	0.49	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.94		3.3	0.94	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.31		3.3	0.31	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.89		3.3	0.89	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorononanesulfonic acid (PFNS)	<0.61		3.3	0.61	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.53		3.3	0.53	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorododecanesulfonic acid (PFDoS)	<1.6		3.3	1.6	ng/L		05/06/22 11:55	05/07/22 18:52	1
Perfluorooctanesulfonamide (FOSA)	<1.6		3.3	1.6	ng/L		05/06/22 11:55	05/07/22 18:52	1
NEtFOSA	<1.4		3.3	1.4	ng/L		05/06/22 11:55	05/07/22 18:52	1
NMeFOSA	<0.71		3.3	0.71	ng/L		05/06/22 11:55	05/07/22 18:52	1
NMeFOSAA	<2.0		8.2	2.0	ng/L		05/06/22 11:55	05/07/22 18:52	1
NEtFOSAA	<2.1		8.2	2.1	ng/L		05/06/22 11:55	05/07/22 18:52	1
NMeFOSE	<2.3		6.6	2.3	ng/L		05/06/22 11:55	05/07/22 18:52	1
NEtFOSE	<1.4		3.3	1.4	ng/L		05/06/22 11:55	05/07/22 18:52	1
4:2 FTS	<0.39		3.3	0.39	ng/L		05/06/22 11:55	05/07/22 18:52	1
6:2 FTS	6.1	J	8.2	4.1	ng/L		05/06/22 11:55	05/07/22 18:52	1
8:2 FTS	12		3.3	0.76	ng/L		05/06/22 11:55	05/07/22 18:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.66		3.3	0.66	ng/L		05/06/22 11:55	05/07/22 18:52	1
HFPO-DA (GenX)	<2.5		6.6	2.5	ng/L		05/06/22 11:55	05/07/22 18:52	1
9Cl-PF3ONS	<0.39		3.3	0.39	ng/L		05/06/22 11:55	05/07/22 18:52	1
11Cl-PF3OUdS	<0.53		3.3	0.53	ng/L		05/06/22 11:55	05/07/22 18:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C5 PFPeA	86		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 PFHxA	94		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C4 PFHpA	101		25 - 150	05/06/22 11:55	05/07/22 18:52	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(046-080)-202204

Lab Sample ID: 320-86779-14

Date Collected: 04/12/22 12:25

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	98		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C5 PFNA	94		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 PFDA	92		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 PFUnA	91		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 PFDoA	86		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 PFTeDA	74		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C3 PFBS	75		25 - 150	05/06/22 11:55	05/07/22 18:52	1
18O2 PFHxS	79		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C4 PFOS	74		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C8 FOSA	81		10 - 150	05/06/22 11:55	05/07/22 18:52	1
d3-NMeFOSAA	68		25 - 150	05/06/22 11:55	05/07/22 18:52	1
d5-NEtFOSAA	80		25 - 150	05/06/22 11:55	05/07/22 18:52	1
d-N-MeFOSA-M	77		10 - 150	05/06/22 11:55	05/07/22 18:52	1
d-N-EtFOSA-M	76		10 - 150	05/06/22 11:55	05/07/22 18:52	1
d7-N-MeFOSE-M	69		10 - 150	05/06/22 11:55	05/07/22 18:52	1
d9-N-EtFOSE-M	63		10 - 150	05/06/22 11:55	05/07/22 18:52	1
M2-4:2 FTS	114		25 - 150	05/06/22 11:55	05/07/22 18:52	1
M2-6:2 FTS	111		25 - 150	05/06/22 11:55	05/07/22 18:52	1
M2-8:2 FTS	123		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C3 HFPO-DA	94		25 - 150	05/06/22 11:55	05/07/22 18:52	1
13C2 10:2 FTS	110		25 - 150	05/06/22 11:55	05/07/22 18:52	1

Client Sample ID: MP-03-(083-117)-202204

Lab Sample ID: 320-86779-15

Date Collected: 04/12/22 12:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		5.8	2.8	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluoropentanoic acid (PFPeA)	55		2.3	0.57	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorohexanoic acid (PFHxA)	29		2.3	0.68	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluoroheptanoic acid (PFHpA)	58		2.3	0.29	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorooctanoic acid (PFOA)	20		2.3	0.99	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorononanoic acid (PFNA)	2.7		2.3	0.32	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorodecanoic acid (PFDA)	1.2 J		2.3	0.36	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.3	1.5	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorobutanesulfonic acid (PFBS)	0.38 J		2.3	0.23	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.67		2.3	0.67	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorooctanesulfonic acid (PFOS)	1.6 J		2.3	0.63	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 19:02	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(083-117)-202204

Lab Sample ID: 320-86779-15

Date Collected: 04/12/22 12:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 19:02	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 19:02	1
NEtFOSA	<1.0		2.3	1.0	ng/L		05/06/22 11:55	05/07/22 19:02	1
NMeFOSA	<0.50		2.3	0.50	ng/L		05/06/22 11:55	05/07/22 19:02	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		05/06/22 11:55	05/07/22 19:02	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		05/06/22 11:55	05/07/22 19:02	1
NMeFOSE	<1.6		4.7	1.6	ng/L		05/06/22 11:55	05/07/22 19:02	1
NEtFOSE	<0.99		2.3	0.99	ng/L		05/06/22 11:55	05/07/22 19:02	1
4:2 FTS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 19:02	1
6:2 FTS	13		5.8	2.9	ng/L		05/06/22 11:55	05/07/22 19:02	1
8:2 FTS	35		2.3	0.54	ng/L		05/06/22 11:55	05/07/22 19:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.3	0.47	ng/L		05/06/22 11:55	05/07/22 19:02	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		05/06/22 11:55	05/07/22 19:02	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 19:02	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 19:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C5 PFPeA	85		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 PFHxA	92		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C4 PFHpA	97		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C4 PFOA	96		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C5 PFNA	94		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 PFDA	91		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 PFUnA	89		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 PFDoA	83		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 PFTeDA	82		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C3 PFBS	73		25 - 150				05/06/22 11:55	05/07/22 19:02	1
18O2 PFHxS	78		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C4 PFOS	73		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C8 FOSA	78		10 - 150				05/06/22 11:55	05/07/22 19:02	1
d3-NMeFOSAA	76		25 - 150				05/06/22 11:55	05/07/22 19:02	1
d5-NEtFOSAA	86		25 - 150				05/06/22 11:55	05/07/22 19:02	1
d-N-MeFOSA-M	70		10 - 150				05/06/22 11:55	05/07/22 19:02	1
d-N-EtFOSA-M	70		10 - 150				05/06/22 11:55	05/07/22 19:02	1
d7-N-MeFOSE-M	73		10 - 150				05/06/22 11:55	05/07/22 19:02	1
d9-N-EtFOSE-M	67		10 - 150				05/06/22 11:55	05/07/22 19:02	1
M2-4:2 FTS	114		25 - 150				05/06/22 11:55	05/07/22 19:02	1
M2-6:2 FTS	104		25 - 150				05/06/22 11:55	05/07/22 19:02	1
M2-8:2 FTS	107		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C3 HFPO-DA	94		25 - 150				05/06/22 11:55	05/07/22 19:02	1
13C2 10:2 FTS	107		25 - 150				05/06/22 11:55	05/07/22 19:02	1

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(120-157)-202204

Lab Sample ID: 320-86779-16

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		6.6	3.2	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluoropentanoic acid (PFPeA)	29		2.6	0.65	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorohexanoic acid (PFHxA)	15		2.6	0.77	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluoroheptanoic acid (PFHpA)	10		2.6	0.33	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorooctanoic acid (PFOA)	6.7		2.6	1.1	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorononanoic acid (PFNA)	0.40	J	2.6	0.36	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorodecanoic acid (PFDA)	<0.41		2.6	0.41	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluoroundecanoic acid (PFUnA)	<1.5		2.6	1.5	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorododecanoic acid (PFDoA)	<0.73		2.6	0.73	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.6	1.7	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.96		2.6	0.96	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorobutanesulfonic acid (PFBS)	0.46	J	2.6	0.26	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.40		2.6	0.40	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.75		2.6	0.75	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.25		2.6	0.25	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorooctanesulfonic acid (PFOS)	3.1		2.6	0.71	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorononanesulfonic acid (PFNS)	<0.49		2.6	0.49	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.42		2.6	0.42	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.6	1.3	ng/L		05/06/22 11:55	05/07/22 19:12	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		05/06/22 11:55	05/07/22 19:12	1
NEtFOSA	<1.1		2.6	1.1	ng/L		05/06/22 11:55	05/07/22 19:12	1
NMeFOSA	<0.57		2.6	0.57	ng/L		05/06/22 11:55	05/07/22 19:12	1
NMeFOSAA	<1.6		6.6	1.6	ng/L		05/06/22 11:55	05/07/22 19:12	1
NEtFOSAA	<1.7		6.6	1.7	ng/L		05/06/22 11:55	05/07/22 19:12	1
NMeFOSE	<1.8		5.3	1.8	ng/L		05/06/22 11:55	05/07/22 19:12	1
NEtFOSE	1.2	J	2.6	1.1	ng/L		05/06/22 11:55	05/07/22 19:12	1
4:2 FTS	<0.32		2.6	0.32	ng/L		05/06/22 11:55	05/07/22 19:12	1
6:2 FTS	<3.3		6.6	3.3	ng/L		05/06/22 11:55	05/07/22 19:12	1
8:2 FTS	<0.61		2.6	0.61	ng/L		05/06/22 11:55	05/07/22 19:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.53		2.6	0.53	ng/L		05/06/22 11:55	05/07/22 19:12	1
HFPO-DA (GenX)	<2.0		5.3	2.0	ng/L		05/06/22 11:55	05/07/22 19:12	1
9Cl-PF3ONS	<0.32		2.6	0.32	ng/L		05/06/22 11:55	05/07/22 19:12	1
11Cl-PF3OUdS	<0.42		2.6	0.42	ng/L		05/06/22 11:55	05/07/22 19:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C5 PFPeA	79		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C2 PFHxA	89		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C4 PFHpA	97		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C4 PFOA	95		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C5 PFNA	93		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C2 PFDA	88		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C2 PFUnA	78		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C2 PFDoA	79		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C2 PFTeDA	84		25 - 150				05/06/22 11:55	05/07/22 19:12	1
13C3 PFBS	77		25 - 150				05/06/22 11:55	05/07/22 19:12	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(120-157)-202204

Lab Sample ID: 320-86779-16

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	79		25 - 150	05/06/22 11:55	05/07/22 19:12	1
13C4 PFOS	69		25 - 150	05/06/22 11:55	05/07/22 19:12	1
13C8 FOSA	76		10 - 150	05/06/22 11:55	05/07/22 19:12	1
d3-NMeFOSAA	67		25 - 150	05/06/22 11:55	05/07/22 19:12	1
d5-NEtFOSAA	72		25 - 150	05/06/22 11:55	05/07/22 19:12	1
d-N-MeFOSA-M	67		10 - 150	05/06/22 11:55	05/07/22 19:12	1
d-N-EtFOSA-M	68		10 - 150	05/06/22 11:55	05/07/22 19:12	1
d7-N-MeFOSE-M	68		10 - 150	05/06/22 11:55	05/07/22 19:12	1
d9-N-EtFOSE-M	65		10 - 150	05/06/22 11:55	05/07/22 19:12	1
M2-4:2 FTS	109		25 - 150	05/06/22 11:55	05/07/22 19:12	1
M2-6:2 FTS	108		25 - 150	05/06/22 11:55	05/07/22 19:12	1
M2-8:2 FTS	102		25 - 150	05/06/22 11:55	05/07/22 19:12	1
13C3 HFPO-DA	96		25 - 150	05/06/22 11:55	05/07/22 19:12	1
13C2 10:2 FTS	99		25 - 150	05/06/22 11:55	05/07/22 19:12	1

Client Sample ID: MP-03-(160-187)-202204

Lab Sample ID: 320-86779-17

Date Collected: 04/12/22 11:35

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	51		5.3	2.6	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluoropentanoic acid (PFPeA)	200		2.1	0.52	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorohexanoic acid (PFHxA)	120		2.1	0.62	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluoroheptanoic acid (PFHpA)	68		2.1	0.27	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorooctanoic acid (PFOA)	52		2.1	0.91	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorononanoic acid (PFNA)	5.3		2.1	0.29	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorodecanoic acid (PFDA)	0.98 J		2.1	0.33	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorobutanesulfonic acid (PFBS)	0.43 J		2.1	0.21	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.72 J		2.1	0.61	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorooctanesulfonic acid (PFOS)	2.0 J		2.1	0.57	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		05/06/22 11:55	05/07/22 22:55	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		05/06/22 11:55	05/07/22 22:55	1
NEtFOSA	<0.93		2.1	0.93	ng/L		05/06/22 11:55	05/07/22 22:55	1
NMeFOSA	<0.46		2.1	0.46	ng/L		05/06/22 11:55	05/07/22 22:55	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		05/06/22 11:55	05/07/22 22:55	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		05/06/22 11:55	05/07/22 22:55	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(160-187)-202204

Lab Sample ID: 320-86779-17

Date Collected: 04/12/22 11:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.5		4.3	1.5	ng/L		05/06/22 11:55	05/07/22 22:55	1
NEtFOSE	<0.91		2.1	0.91	ng/L		05/06/22 11:55	05/07/22 22:55	1
4:2 FTS	3.4		2.1	0.26	ng/L		05/06/22 11:55	05/07/22 22:55	1
8:2 FTS	70		2.1	0.49	ng/L		05/06/22 11:55	05/07/22 22:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		05/06/22 11:55	05/07/22 22:55	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		05/06/22 11:55	05/07/22 22:55	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		05/06/22 11:55	05/07/22 22:55	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		05/06/22 11:55	05/07/22 22:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C5 PFPeA	81		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 PFHxA	91		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C4 PFHpA	93		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C4 PFOA	92		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C5 PFNA	88		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 PFDA	84		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 PFUnA	80		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 PFDoA	76		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 PFTeDA	76		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C3 PFBS	75		25 - 150	05/06/22 11:55	05/07/22 22:55	1
18O2 PFHxS	77		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C4 PFOS	68		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C8 FOSA	73		10 - 150	05/06/22 11:55	05/07/22 22:55	1
d3-NMeFOSAA	70		25 - 150	05/06/22 11:55	05/07/22 22:55	1
d5-NEtFOSAA	71		25 - 150	05/06/22 11:55	05/07/22 22:55	1
d-N-MeFOSA-M	67		10 - 150	05/06/22 11:55	05/07/22 22:55	1
d-N-EtFOSA-M	65		10 - 150	05/06/22 11:55	05/07/22 22:55	1
d7-N-MeFOSE-M	61		10 - 150	05/06/22 11:55	05/07/22 22:55	1
d9-N-EtFOSE-M	59		10 - 150	05/06/22 11:55	05/07/22 22:55	1
M2-4:2 FTS	102		25 - 150	05/06/22 11:55	05/07/22 22:55	1
M2-8:2 FTS	90		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C3 HFPO-DA	91		25 - 150	05/06/22 11:55	05/07/22 22:55	1
13C2 10:2 FTS	84		25 - 150	05/06/22 11:55	05/07/22 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	550		53	27	ng/L		05/06/22 11:55	05/07/22 22:45	10
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	107		25 - 150	05/06/22 11:55	05/07/22 22:45	10			

Client Sample ID: MP-03-(190-217)-202204

Lab Sample ID: 320-86779-18

Date Collected: 04/12/22 11:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluoropentanoic acid (PFPeA)	2.0	J	2.2	0.53	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorohexanoic acid (PFHxA)	1.3	J	2.2	0.63	ng/L		05/06/22 11:55	05/07/22 19:22	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(190-217)-202204

Lab Sample ID: 320-86779-18

Date Collected: 04/12/22 11:05

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	2.1	J	2.2	0.27	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorooctanoic acid (PFOA)	0.94	J	2.2	0.92	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 19:22	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 19:22	1
NEtFOSA	<0.94		2.2	0.94	ng/L		05/06/22 11:55	05/07/22 19:22	1
NMeFOSA	<0.47		2.2	0.47	ng/L		05/06/22 11:55	05/07/22 19:22	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		05/06/22 11:55	05/07/22 19:22	1
NEtFOSAA	3.6	J	5.4	1.4	ng/L		05/06/22 11:55	05/07/22 19:22	1
NMeFOSE	<1.5		4.3	1.5	ng/L		05/06/22 11:55	05/07/22 19:22	1
NEtFOSE	<0.92		2.2	0.92	ng/L		05/06/22 11:55	05/07/22 19:22	1
4:2 FTS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 19:22	1
6:2 FTS	<2.7		5.4	2.7	ng/L		05/06/22 11:55	05/07/22 19:22	1
8:2 FTS	1.8	J	2.2	0.50	ng/L		05/06/22 11:55	05/07/22 19:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		05/06/22 11:55	05/07/22 19:22	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		05/06/22 11:55	05/07/22 19:22	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 19:22	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 19:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C5 PFPeA	86		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 PFHxA	90		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C4 PFHpA	101		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C4 PFOA	95		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C5 PFNA	94		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 PFDA	93		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 PFUnA	91		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 PFDoA	86		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 PFTeDA	91		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C3 PFBS	80		25 - 150	05/06/22 11:55	05/07/22 19:22	1
18O2 PFHxS	83		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C4 PFOS	76		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C8 FOSA	79		10 - 150	05/06/22 11:55	05/07/22 19:22	1
d3-NMeFOSAA	74		25 - 150	05/06/22 11:55	05/07/22 19:22	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(190-217)-202204

Lab Sample ID: 320-86779-18

Date Collected: 04/12/22 11:05

Matrix: Water

Date Received: 04/14/22 10:45

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	85		25 - 150	05/06/22 11:55	05/07/22 19:22	1
d-N-MeFOSA-M	76		10 - 150	05/06/22 11:55	05/07/22 19:22	1
d-N-EtFOSA-M	76		10 - 150	05/06/22 11:55	05/07/22 19:22	1
d7-N-MeFOSE-M	72		10 - 150	05/06/22 11:55	05/07/22 19:22	1
d9-N-EtFOSE-M	71		10 - 150	05/06/22 11:55	05/07/22 19:22	1
M2-4:2 FTS	109		25 - 150	05/06/22 11:55	05/07/22 19:22	1
M2-6:2 FTS	104		25 - 150	05/06/22 11:55	05/07/22 19:22	1
M2-8:2 FTS	107		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C3 HFPO-DA	96		25 - 150	05/06/22 11:55	05/07/22 19:22	1
13C2 10:2 FTS	111		25 - 150	05/06/22 11:55	05/07/22 19:22	1

Client Sample ID: MP-03-(220-242)-202204

Lab Sample ID: 320-86779-19

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Perfluorobutanoic acid (PFBA)	<2.8		5.8	2.8	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 19:32	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 19:32	1
NEtFOSA	<1.0		2.3	1.0	ng/L		05/06/22 11:55	05/07/22 19:32	1
NMeFOSA	<0.50		2.3	0.50	ng/L		05/06/22 11:55	05/07/22 19:32	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		05/06/22 11:55	05/07/22 19:32	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		05/06/22 11:55	05/07/22 19:32	1
NMeFOSE	<1.6		4.6	1.6	ng/L		05/06/22 11:55	05/07/22 19:32	1
NEtFOSE	<0.98		2.3	0.98	ng/L		05/06/22 11:55	05/07/22 19:32	1
4:2 FTS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 19:32	1
6:2 FTS	<2.9		5.8	2.9	ng/L		05/06/22 11:55	05/07/22 19:32	1
8:2 FTS	<0.53		2.3	0.53	ng/L		05/06/22 11:55	05/07/22 19:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		05/06/22 11:55	05/07/22 19:32	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(220-242)-202204

Lab Sample ID: 320-86779-19

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/06/22 11:55	05/07/22 19:32	1
9CI-PF3ONS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 19:32	1
11CI-PF3OUdS	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 19:32	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	86		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C5 PFPeA	82		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 PFHxA	91		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C4 PFHpA	95		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C4 PFOA	93		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C5 PFNA	90		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 PFDA	91		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 PFUnA	89		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 PFDoA	87		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 PFTeDA	85		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C3 PFBS	74		25 - 150				05/06/22 11:55	05/07/22 19:32	1
18O2 PFHxS	77		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C4 PFOS	76		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C8 FOSA	78		10 - 150				05/06/22 11:55	05/07/22 19:32	1
d3-NMeFOSAA	75		25 - 150				05/06/22 11:55	05/07/22 19:32	1
d5-NEtFOSAA	86		25 - 150				05/06/22 11:55	05/07/22 19:32	1
d-N-MeFOSA-M	72		10 - 150				05/06/22 11:55	05/07/22 19:32	1
d-N-EtFOSA-M	71		10 - 150				05/06/22 11:55	05/07/22 19:32	1
d7-N-MeFOSE-M	70		10 - 150				05/06/22 11:55	05/07/22 19:32	1
d9-N-EtFOSE-M	66		10 - 150				05/06/22 11:55	05/07/22 19:32	1
M2-4:2 FTS	107		25 - 150				05/06/22 11:55	05/07/22 19:32	1
M2-6:2 FTS	100		25 - 150				05/06/22 11:55	05/07/22 19:32	1
M2-8:2 FTS	99		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C3 HFPO-DA	90		25 - 150				05/06/22 11:55	05/07/22 19:32	1
13C2 10:2 FTS	105		25 - 150				05/06/22 11:55	05/07/22 19:32	1

Client Sample ID: MP-03-(245-277)-202204

Lab Sample ID: 320-86779-20

Date Collected: 04/12/22 09:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.6		5.4	2.6	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluoropentanoic acid (PFPeA)	<0.53		2.2	0.53	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.2	0.63	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.2	0.27	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorooctanoic acid (PFOA)	<0.93		2.2	0.93	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorodecanoic acid (PFDA)	<0.34		2.2	0.34	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorododecanoic acid (PFDoA)	<0.60		2.2	0.60	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.2	1.4	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		05/06/22 11:55	05/07/22 19:42	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(245-277)-202204

Lab Sample ID: 320-86779-20

Date Collected: 04/12/22 09:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.62		2.2	0.62	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorooctanesulfonic acid (PFOS)	<0.59		2.2	0.59	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 19:42	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		05/06/22 11:55	05/07/22 19:42	1
NEtFOSA	<0.95		2.2	0.95	ng/L		05/06/22 11:55	05/07/22 19:42	1
NMeFOSA	<0.47		2.2	0.47	ng/L		05/06/22 11:55	05/07/22 19:42	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		05/06/22 11:55	05/07/22 19:42	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		05/06/22 11:55	05/07/22 19:42	1
NMeFOSE	<1.5		4.4	1.5	ng/L		05/06/22 11:55	05/07/22 19:42	1
NEtFOSE	<0.93		2.2	0.93	ng/L		05/06/22 11:55	05/07/22 19:42	1
4:2 FTS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 19:42	1
6:2 FTS	<2.7		5.4	2.7	ng/L		05/06/22 11:55	05/07/22 19:42	1
8:2 FTS	<0.50		2.2	0.50	ng/L		05/06/22 11:55	05/07/22 19:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.44		2.2	0.44	ng/L		05/06/22 11:55	05/07/22 19:42	1
HFPO-DA (GenX)	<1.6		4.4	1.6	ng/L		05/06/22 11:55	05/07/22 19:42	1
9Cl-PF3ONS	<0.26		2.2	0.26	ng/L		05/06/22 11:55	05/07/22 19:42	1
11Cl-PF3OUdS	<0.35		2.2	0.35	ng/L		05/06/22 11:55	05/07/22 19:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C5 PFPeA	74		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 PFHxA	83		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C4 PFHpA	88		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C4 PFOA	89		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C5 PFNA	84		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 PFDA	85		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 PFUnA	80		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 PFDoA	79		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 PFTeDA	73		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C3 PFBS	71		25 - 150	05/06/22 11:55	05/07/22 19:42	1
18O2 PFHxS	73		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C4 PFOS	69		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C8 FOSA	73		10 - 150	05/06/22 11:55	05/07/22 19:42	1
d3-NMeFOSAA	69		25 - 150	05/06/22 11:55	05/07/22 19:42	1
d5-NEtFOSAA	69		25 - 150	05/06/22 11:55	05/07/22 19:42	1
d-N-MeFOSA-M	66		10 - 150	05/06/22 11:55	05/07/22 19:42	1
d-N-EtFOSA-M	65		10 - 150	05/06/22 11:55	05/07/22 19:42	1
d7-N-MeFOSE-M	66		10 - 150	05/06/22 11:55	05/07/22 19:42	1
d9-N-EtFOSE-M	61		10 - 150	05/06/22 11:55	05/07/22 19:42	1
M2-4:2 FTS	105		25 - 150	05/06/22 11:55	05/07/22 19:42	1
M2-6:2 FTS	98		25 - 150	05/06/22 11:55	05/07/22 19:42	1
M2-8:2 FTS	95		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C3 HFPO-DA	88		25 - 150	05/06/22 11:55	05/07/22 19:42	1
13C2 10:2 FTS	99		25 - 150	05/06/22 11:55	05/07/22 19:42	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(280-300)-202204

Lab Sample ID: 320-86779-21

Date Collected: 04/12/22 09:15

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/06/22 11:55	05/07/22 20:23	1
Perfluoropentanoic acid (PFPeA)	<0.57		2.3	0.57	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorooctanoic acid (PFOA)	<0.99		2.3	0.99	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorododecanoic acid (PFDoA)	<0.64		2.3	0.64	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.85		2.3	0.85	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.3	0.22	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.63		2.3	0.63	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 20:23	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		05/06/22 11:55	05/07/22 20:23	1
NEtFOSA	<1.0		2.3	1.0	ng/L		05/06/22 11:55	05/07/22 20:23	1
NMeFOSA	<0.50		2.3	0.50	ng/L		05/06/22 11:55	05/07/22 20:23	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		05/06/22 11:55	05/07/22 20:23	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		05/06/22 11:55	05/07/22 20:23	1
NMeFOSE	<1.6		4.7	1.6	ng/L		05/06/22 11:55	05/07/22 20:23	1
NEtFOSE	<0.99		2.3	0.99	ng/L		05/06/22 11:55	05/07/22 20:23	1
4:2 FTS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 20:23	1
6:2 FTS	<2.9		5.8	2.9	ng/L		05/06/22 11:55	05/07/22 20:23	1
8:2 FTS	<0.54		2.3	0.54	ng/L		05/06/22 11:55	05/07/22 20:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.3	0.47	ng/L		05/06/22 11:55	05/07/22 20:23	1
HFPO-DA (GenX)	<1.7		4.7	1.7	ng/L		05/06/22 11:55	05/07/22 20:23	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		05/06/22 11:55	05/07/22 20:23	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		05/06/22 11:55	05/07/22 20:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C5 PFPeA	79		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 PFHxA	82		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C4 PFHpA	94		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C4 PFOA	88		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C5 PFNA	90		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 PFDA	83		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 PFUnA	84		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 PFDoA	75		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 PFTeDA	81		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C3 PFBS	70		25 - 150	05/06/22 11:55	05/07/22 20:23	1
18O2 PFHxS	71		25 - 150	05/06/22 11:55	05/07/22 20:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(280-300)-202204

Lab Sample ID: 320-86779-21

Date Collected: 04/12/22 09:15

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	68		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C8 FOSA	73		10 - 150	05/06/22 11:55	05/07/22 20:23	1
d3-NMeFOSAA	68		25 - 150	05/06/22 11:55	05/07/22 20:23	1
d5-NEtFOSAA	75		25 - 150	05/06/22 11:55	05/07/22 20:23	1
d-N-MeFOSA-M	65		10 - 150	05/06/22 11:55	05/07/22 20:23	1
d-N-EtFOSA-M	66		10 - 150	05/06/22 11:55	05/07/22 20:23	1
d7-N-MeFOSE-M	66		10 - 150	05/06/22 11:55	05/07/22 20:23	1
d9-N-EtFOSE-M	58		10 - 150	05/06/22 11:55	05/07/22 20:23	1
M2-4:2 FTS	94		25 - 150	05/06/22 11:55	05/07/22 20:23	1
M2-6:2 FTS	99		25 - 150	05/06/22 11:55	05/07/22 20:23	1
M2-8:2 FTS	106		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C3 HFPO-DA	89		25 - 150	05/06/22 11:55	05/07/22 20:23	1
13C2 10:2 FTS	95		25 - 150	05/06/22 11:55	05/07/22 20:23	1

Client Sample ID: MP-04-(048-077)-202204

Lab Sample ID: 320-86779-22

Date Collected: 04/11/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.8	J	9.9	4.8	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluoropentanoic acid (PFPeA)	26		4.0	0.97	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorohexanoic acid (PFHxA)	19		4.0	1.2	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluoroheptanoic acid (PFHpA)	5.9		4.0	0.50	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorooctanoic acid (PFOA)	7.5		4.0	1.7	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorononanoic acid (PFNA)	<0.54		4.0	0.54	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorodecanoic acid (PFDA)	<0.62		4.0	0.62	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluoroundecanoic acid (PFUnA)	<2.2		4.0	2.2	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorododecanoic acid (PFDoA)	<1.1		4.0	1.1	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorotridecanoic acid (PFTrDA)	<2.6		4.0	2.6	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorotetradecanoic acid (PFTeA)	<1.5		4.0	1.5	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.40		4.0	0.40	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.60		4.0	0.60	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	<1.1		4.0	1.1	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.38		4.0	0.38	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorooctanesulfonic acid (PFOS)	<1.1		4.0	1.1	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorononanesulfonic acid (PFNS)	<0.74		4.0	0.74	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.64		4.0	0.64	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorododecanesulfonic acid (PFDoS)	<1.9		4.0	1.9	ng/L		05/06/22 11:55	05/07/22 20:33	1
Perfluorooctanesulfonamide (FOSA)	<1.9		4.0	1.9	ng/L		05/06/22 11:55	05/07/22 20:33	1
NEtFOSA	<1.7		4.0	1.7	ng/L		05/06/22 11:55	05/07/22 20:33	1
NMeFOSA	<0.85		4.0	0.85	ng/L		05/06/22 11:55	05/07/22 20:33	1
NMeFOSAA	<2.4		9.9	2.4	ng/L		05/06/22 11:55	05/07/22 20:33	1
NEtFOSAA	<2.6		9.9	2.6	ng/L		05/06/22 11:55	05/07/22 20:33	1
NMeFOSE	<2.8		7.9	2.8	ng/L		05/06/22 11:55	05/07/22 20:33	1
NEtFOSE	<1.7		4.0	1.7	ng/L		05/06/22 11:55	05/07/22 20:33	1
4:2 FTS	1.5	J	4.0	0.48	ng/L		05/06/22 11:55	05/07/22 20:33	1
6:2 FTS	150		9.9	5.0	ng/L		05/06/22 11:55	05/07/22 20:33	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(048-077)-202204

Lab Sample ID: 320-86779-22

Date Collected: 04/11/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	1.9	J	4.0	0.91	ng/L		05/06/22 11:55	05/07/22 20:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.79		4.0	0.79	ng/L		05/06/22 11:55	05/07/22 20:33	1
HFPO-DA (GenX)	<3.0		7.9	3.0	ng/L		05/06/22 11:55	05/07/22 20:33	1
9Cl-PF3ONS	<0.48		4.0	0.48	ng/L		05/06/22 11:55	05/07/22 20:33	1
11Cl-PF3OUdS	<0.64		4.0	0.64	ng/L		05/06/22 11:55	05/07/22 20:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C5 PFPeA	83		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 PFHxA	89		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C4 PFHpA	96		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C4 PFOA	92		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C5 PFNA	91		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 PFDA	87		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 PFUnA	84		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 PFDoA	78		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 PFTeDA	86		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C3 PFBS	75		25 - 150				05/06/22 11:55	05/07/22 20:33	1
18O2 PFHxS	75		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C4 PFOS	68		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C8 FOSA	77		10 - 150				05/06/22 11:55	05/07/22 20:33	1
d3-NMeFOSAA	74		25 - 150				05/06/22 11:55	05/07/22 20:33	1
d5-NEtFOSAA	77		25 - 150				05/06/22 11:55	05/07/22 20:33	1
d-N-MeFOSA-M	66		10 - 150				05/06/22 11:55	05/07/22 20:33	1
d-N-EtFOSA-M	66		10 - 150				05/06/22 11:55	05/07/22 20:33	1
d7-N-MeFOSE-M	70		10 - 150				05/06/22 11:55	05/07/22 20:33	1
d9-N-EtFOSE-M	67		10 - 150				05/06/22 11:55	05/07/22 20:33	1
M2-4:2 FTS	105		25 - 150				05/06/22 11:55	05/07/22 20:33	1
M2-6:2 FTS	95		25 - 150				05/06/22 11:55	05/07/22 20:33	1
M2-8:2 FTS	98		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C3 HFPO-DA	89		25 - 150				05/06/22 11:55	05/07/22 20:33	1
13C2 10:2 FTS	96		25 - 150				05/06/22 11:55	05/07/22 20:33	1

Client Sample ID: MP-04-(080-112)-202204

Lab Sample ID: 320-86779-23

Date Collected: 04/11/22 17:35

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		4.7	2.3	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluoropentanoic acid (PFPeA)	210		1.9	0.46	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorohexanoic acid (PFHxA)	170		1.9	0.55	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluoroheptanoic acid (PFHpA)	39		1.9	0.24	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorooctanoic acid (PFOA)	62		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorononanoic acid (PFNA)	2.2		1.9	0.25	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:24	05/02/22 10:14	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(080-112)-202204

Lab Sample ID: 320-86779-23

Date Collected: 04/11/22 17:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.38	J	1.9	0.19	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.9	0.54	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorooctanesulfonic acid (PFOS)	0.88	J	1.9	0.51	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:24	05/02/22 10:14	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:24	05/02/22 10:14	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/01/22 16:24	05/02/22 10:14	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/01/22 16:24	05/02/22 10:14	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:24	05/02/22 10:14	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:24	05/02/22 10:14	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:24	05/02/22 10:14	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 10:14	1
4:2 FTS	15		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:14	1
8:2 FTS	11		1.9	0.43	ng/L		05/01/22 16:24	05/02/22 10:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:24	05/02/22 10:14	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:24	05/02/22 10:14	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:14	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C5 PFPeA	90		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 PFHxA	95		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C4 PFHpA	105		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C4 PFOA	96		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C5 PFNA	99		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 PFDA	94		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 PFUnA	92		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 PFDoA	84		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 PFTeDA	80		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C3 PFBS	85		25 - 150	05/01/22 16:24	05/02/22 10:14	1
18O2 PFHxS	88		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C4 PFOS	83		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C8 FOSA	86		10 - 150	05/01/22 16:24	05/02/22 10:14	1
d3-NMeFOSAA	84		25 - 150	05/01/22 16:24	05/02/22 10:14	1
d5-NEtFOSAA	90		25 - 150	05/01/22 16:24	05/02/22 10:14	1
d-N-MeFOSA-M	77		10 - 150	05/01/22 16:24	05/02/22 10:14	1
d-N-EtFOSA-M	79		10 - 150	05/01/22 16:24	05/02/22 10:14	1
d7-N-MeFOSE-M	69		10 - 150	05/01/22 16:24	05/02/22 10:14	1
d9-N-EtFOSE-M	64		10 - 150	05/01/22 16:24	05/02/22 10:14	1
M2-4:2 FTS	117		25 - 150	05/01/22 16:24	05/02/22 10:14	1
M2-8:2 FTS	119		25 - 150	05/01/22 16:24	05/02/22 10:14	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(080-112)-202204

Lab Sample ID: 320-86779-23

Date Collected: 04/11/22 17:35

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	95		25 - 150	05/01/22 16:24	05/02/22 10:14	1
13C2 10:2 FTS	103		25 - 150	05/01/22 16:24	05/02/22 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1300		47	24	ng/L		05/01/22 16:24	05/05/22 13:00	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	115		25 - 150	05/01/22 16:24	05/05/22 13:00	10

Client Sample ID: MP-04-(115-152)-202204

Lab Sample ID: 320-86779-24

Date Collected: 04/11/22 17:15

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	180		4.8	2.3	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluoroheptanoic acid (PFHpA)	160		1.9	0.24	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorooctanoic acid (PFOA)	210		1.9	0.82	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorononanoic acid (PFNA)	12		1.9	0.26	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorodecanoic acid (PFDA)	0.83 J		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorobutanesulfonic acid (PFBS)	0.80 J		1.9	0.19	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluoropentanesulfonic acid (PFPeS)	0.78 J		1.9	0.29	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorohexanesulfonic acid (PFHxS)	4.3		1.9	0.55	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorooctanesulfonic acid (PFOS)	4.8		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		05/01/22 16:24	05/02/22 10:25	1
Perfluorooctanesulfonamide (FOSA)	1.2 J		1.9	0.94	ng/L		05/01/22 16:24	05/02/22 10:25	1
NEtFOSA	<0.84		1.9	0.84	ng/L		05/01/22 16:24	05/02/22 10:25	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:24	05/02/22 10:25	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		05/01/22 16:24	05/02/22 10:25	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		05/01/22 16:24	05/02/22 10:25	1
NMeFOSE	<1.3		3.9	1.3	ng/L		05/01/22 16:24	05/02/22 10:25	1
NEtFOSE	<0.82		1.9	0.82	ng/L		05/01/22 16:24	05/02/22 10:25	1
4:2 FTS	55		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:25	1
8:2 FTS	130		1.9	0.44	ng/L		05/01/22 16:24	05/02/22 10:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		05/01/22 16:24	05/02/22 10:25	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		05/01/22 16:24	05/02/22 10:25	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:25	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(115-152)-202204

Lab Sample ID: 320-86779-24

Date Collected: 04/11/22 17:15

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		05/01/22 16:24	05/02/22 10:25	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	101		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C4 PFHpA	108		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C4 PFOA	92		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C5 PFNA	102		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C2 PFDA	98		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C2 PFUnA	96		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C2 PFDoA	86		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C2 PFTeDA	85		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C3 PFBS	93		25 - 150				05/01/22 16:24	05/02/22 10:25	1
18O2 PFHxS	95		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C4 PFOS	89		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C8 FOSA	95		10 - 150				05/01/22 16:24	05/02/22 10:25	1
d3-NMeFOSAA	92		25 - 150				05/01/22 16:24	05/02/22 10:25	1
d5-NEtFOSAA	91		25 - 150				05/01/22 16:24	05/02/22 10:25	1
d-N-MeFOSA-M	80		10 - 150				05/01/22 16:24	05/02/22 10:25	1
d-N-EtFOSA-M	81		10 - 150				05/01/22 16:24	05/02/22 10:25	1
d7-N-MeFOSE-M	72		10 - 150				05/01/22 16:24	05/02/22 10:25	1
d9-N-EtFOSE-M	71		10 - 150				05/01/22 16:24	05/02/22 10:25	1
M2-4:2 FTS	116		25 - 150				05/01/22 16:24	05/02/22 10:25	1
M2-8:2 FTS	125		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C3 HFPO-DA	103		25 - 150				05/01/22 16:24	05/02/22 10:25	1
13C2 10:2 FTS	107		25 - 150				05/01/22 16:24	05/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	860		39	9.4	ng/L		05/01/22 16:24	05/05/22 12:40	20
Perfluorohexanoic acid (PFHxA)	680		39	11	ng/L		05/01/22 16:24	05/05/22 12:40	20
6:2 FTS	3900		96	48	ng/L		05/01/22 16:24	05/05/22 12:40	20
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	91		25 - 150				05/01/22 16:24	05/05/22 12:40	20
13C2 PFHxA	88		25 - 150				05/01/22 16:24	05/05/22 12:40	20
M2-6:2 FTS	130		25 - 150				05/01/22 16:24	05/05/22 12:40	20

Client Sample ID: MP-04-(155-192)-202204

Lab Sample ID: 320-86779-25

Date Collected: 04/11/22 17:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	24		4.8	2.3	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluoropentanoic acid (PFPeA)	96		1.9	0.47	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorohexanoic acid (PFHxA)	66		1.9	0.55	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluoroheptanoic acid (PFHpA)	22		1.9	0.24	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorooctanoic acid (PFOA)	22		1.9	0.81	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorononanoic acid (PFNA)	1.5 J		1.9	0.26	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 10:35	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(155-192)-202204

Lab Sample ID: 320-86779-25

Date Collected: 04/11/22 17:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		05/01/22 16:24	05/02/22 10:35	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		05/01/22 16:24	05/02/22 10:35	1
NEtFOSA	<0.83		1.9	0.83	ng/L		05/01/22 16:24	05/02/22 10:35	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:24	05/02/22 10:35	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		05/01/22 16:24	05/02/22 10:35	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		05/01/22 16:24	05/02/22 10:35	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:24	05/02/22 10:35	1
NEtFOSE	<0.81		1.9	0.81	ng/L		05/01/22 16:24	05/02/22 10:35	1
4:2 FTS	2.4		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:35	1
8:2 FTS	26		1.9	0.44	ng/L		05/01/22 16:24	05/02/22 10:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:24	05/02/22 10:35	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:24	05/02/22 10:35	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 10:35	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 10:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C5 PFPeA	90		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 PFHxA	95		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C4 PFHpA	104		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C4 PFOA	99		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C5 PFNA	100		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 PFDA	91		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 PFUnA	92		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 PFDoA	75		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 PFTeDA	80		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C3 PFBS	86		25 - 150	05/01/22 16:24	05/02/22 10:35	1
18O2 PFHxS	91		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C4 PFOS	84		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C8 FOSA	93		10 - 150	05/01/22 16:24	05/02/22 10:35	1
d3-NMeFOSAA	76		25 - 150	05/01/22 16:24	05/02/22 10:35	1
d5-NEtFOSAA	88		25 - 150	05/01/22 16:24	05/02/22 10:35	1
d-N-MeFOSA-M	78		10 - 150	05/01/22 16:24	05/02/22 10:35	1
d-N-EtFOSA-M	79		10 - 150	05/01/22 16:24	05/02/22 10:35	1
d7-N-MeFOSE-M	72		10 - 150	05/01/22 16:24	05/02/22 10:35	1
d9-N-EtFOSE-M	66		10 - 150	05/01/22 16:24	05/02/22 10:35	1
M2-4:2 FTS	118		25 - 150	05/01/22 16:24	05/02/22 10:35	1
M2-8:2 FTS	136		25 - 150	05/01/22 16:24	05/02/22 10:35	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(155-192)-202204

Lab Sample ID: 320-86779-25

Date Collected: 04/11/22 17:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	96		25 - 150	05/01/22 16:24	05/02/22 10:35	1
13C2 10:2 FTS	104		25 - 150	05/01/22 16:24	05/02/22 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	350		24	12	ng/L		05/01/22 16:24	05/05/22 13:31	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	113		25 - 150	05/01/22 16:24	05/05/22 13:31	5

Client Sample ID: MP-04-(195-217)-202204

Lab Sample ID: 320-86779-26

Date Collected: 04/11/22 16:25

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.9		4.9	2.4	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoropentanoic acid (PFPeA)	41		2.0	0.48	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorohexanoic acid (PFHxA)	32		2.0	0.57	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoroheptanoic acid (PFHpA)	8.0		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorooctanoic acid (PFOA)	13		2.0	0.84	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorononanoic acid (PFNA)	0.52	J	2.0	0.27	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluoronanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		05/01/22 16:24	05/02/22 10:45	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		05/01/22 16:24	05/02/22 10:45	1
NEtFOSA	<0.86		2.0	0.86	ng/L		05/01/22 16:24	05/02/22 10:45	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:24	05/02/22 10:45	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		05/01/22 16:24	05/02/22 10:45	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		05/01/22 16:24	05/02/22 10:45	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:24	05/02/22 10:45	1
NEtFOSE	<0.84		2.0	0.84	ng/L		05/01/22 16:24	05/02/22 10:45	1
4:2 FTS	3.4		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 10:45	1
6:2 FTS	330		4.9	2.5	ng/L		05/01/22 16:24	05/02/22 10:45	1
8:2 FTS	3.3		2.0	0.45	ng/L		05/01/22 16:24	05/02/22 10:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:24	05/02/22 10:45	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:24	05/02/22 10:45	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 10:45	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(195-217)-202204

Lab Sample ID: 320-86779-26

Date Collected: 04/11/22 16:25

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 10:45	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	85		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C5 PFPeA	88		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 PFHxA	91		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C4 PFHpA	98		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C4 PFOA	94		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C5 PFNA	91		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 PFDA	92		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 PFUnA	92		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 PFDoA	76		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 PFTeDA	77		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C3 PFBS	82		25 - 150				05/01/22 16:24	05/02/22 10:45	1
18O2 PFHxS	86		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C4 PFOS	81		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C8 FOSA	88		10 - 150				05/01/22 16:24	05/02/22 10:45	1
d3-NMeFOSAA	75		25 - 150				05/01/22 16:24	05/02/22 10:45	1
d5-NEtFOSAA	90		25 - 150				05/01/22 16:24	05/02/22 10:45	1
d-N-MeFOSA-M	72		10 - 150				05/01/22 16:24	05/02/22 10:45	1
d-N-EtFOSA-M	72		10 - 150				05/01/22 16:24	05/02/22 10:45	1
d7-N-MeFOSE-M	68		10 - 150				05/01/22 16:24	05/02/22 10:45	1
d9-N-EtFOSE-M	64		10 - 150				05/01/22 16:24	05/02/22 10:45	1
M2-4:2 FTS	115		25 - 150				05/01/22 16:24	05/02/22 10:45	1
M2-6:2 FTS	106		25 - 150				05/01/22 16:24	05/02/22 10:45	1
M2-8:2 FTS	134		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C3 HFPO-DA	93		25 - 150				05/01/22 16:24	05/02/22 10:45	1
13C2 10:2 FTS	105		25 - 150				05/01/22 16:24	05/02/22 10:45	1

Client Sample ID: MP-04-(220-242)-202204

Lab Sample ID: 320-86779-27

Date Collected: 04/11/22 16:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:24	05/05/22 14:01	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		05/01/22 16:24	05/05/22 14:01	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(220-242)-202204

Lab Sample ID: 320-86779-27

Date Collected: 04/11/22 16:05

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:24	05/05/22 14:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		05/01/22 16:24	05/05/22 14:01	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		05/01/22 16:24	05/05/22 14:01	1
NEtFOSA	<0.85		2.0	0.85	ng/L		05/01/22 16:24	05/05/22 14:01	1
NMeFOSA	<0.42		2.0	0.42	ng/L		05/01/22 16:24	05/05/22 14:01	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		05/01/22 16:24	05/05/22 14:01	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		05/01/22 16:24	05/05/22 14:01	1
NMeFOSE	<1.4		3.9	1.4	ng/L		05/01/22 16:24	05/05/22 14:01	1
NEtFOSE	<0.83		2.0	0.83	ng/L		05/01/22 16:24	05/05/22 14:01	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/05/22 14:01	1
6:2 FTS	<2.4		4.9	2.4	ng/L		05/01/22 16:24	05/05/22 14:01	1
8:2 FTS	<0.45		2.0	0.45	ng/L		05/01/22 16:24	05/05/22 14:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		05/01/22 16:24	05/05/22 14:01	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		05/01/22 16:24	05/05/22 14:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/05/22 14:01	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/05/22 14:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C5 PFPeA	92		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 PFHxA	96		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C4 PFHpA	108		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C4 PFOA	101		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C5 PFNA	101		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 PFDA	97		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 PFUnA	100		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 PFDoA	67		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 PFTeDA	89		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C3 PFBS	84		25 - 150	05/01/22 16:24	05/05/22 14:01	1
18O2 PFHxS	83		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C4 PFOS	86		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C8 FOSA	111		10 - 150	05/01/22 16:24	05/05/22 14:01	1
d3-NMeFOSAA	73		25 - 150	05/01/22 16:24	05/05/22 14:01	1
d5-NEtFOSAA	90		25 - 150	05/01/22 16:24	05/05/22 14:01	1
d-N-MeFOSA-M	82		10 - 150	05/01/22 16:24	05/05/22 14:01	1
d-N-EtFOSA-M	88		10 - 150	05/01/22 16:24	05/05/22 14:01	1
d7-N-MeFOSE-M	76		10 - 150	05/01/22 16:24	05/05/22 14:01	1
d9-N-EtFOSE-M	75		10 - 150	05/01/22 16:24	05/05/22 14:01	1
M2-4:2 FTS	113		25 - 150	05/01/22 16:24	05/05/22 14:01	1
M2-6:2 FTS	109		25 - 150	05/01/22 16:24	05/05/22 14:01	1
M2-8:2 FTS	148		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C3 HFPO-DA	100		25 - 150	05/01/22 16:24	05/05/22 14:01	1
13C2 10:2 FTS	101		25 - 150	05/01/22 16:24	05/05/22 14:01	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(245-272)-202204

Lab Sample ID: 320-86779-28

Date Collected: 04/11/22 15:45

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:24	05/02/22 11:05	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorooctanoic acid (PFOA)	<0.86		2.0	0.86	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		05/01/22 16:24	05/02/22 11:05	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		05/01/22 16:24	05/02/22 11:05	1
NEtFOSA	<0.88		2.0	0.88	ng/L		05/01/22 16:24	05/02/22 11:05	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:24	05/02/22 11:05	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/01/22 16:24	05/02/22 11:05	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/01/22 16:24	05/02/22 11:05	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:24	05/02/22 11:05	1
NEtFOSE	<0.86		2.0	0.86	ng/L		05/01/22 16:24	05/02/22 11:05	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 11:05	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/01/22 16:24	05/02/22 11:05	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/01/22 16:24	05/02/22 11:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:24	05/02/22 11:05	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:24	05/02/22 11:05	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 11:05	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 11:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C5 PFPeA	87		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 PFHxA	95		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C4 PFHpA	103		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C4 PFOA	100		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C5 PFNA	94		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 PFDA	93		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 PFUnA	93		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 PFDoA	80		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 PFTeDA	83		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C3 PFBS	83		25 - 150	05/01/22 16:24	05/02/22 11:05	1
18O2 PFHxS	89		25 - 150	05/01/22 16:24	05/02/22 11:05	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(245-272)-202204

Lab Sample ID: 320-86779-28

Date Collected: 04/11/22 15:45

Matrix: Water

Date Received: 04/14/22 10:45

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C4 PFOS	81		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C8 FOSA	88		10 - 150	05/01/22 16:24	05/02/22 11:05	1
d3-NMeFOSAA	82		25 - 150	05/01/22 16:24	05/02/22 11:05	1
d5-NEtFOSAA	87		25 - 150	05/01/22 16:24	05/02/22 11:05	1
d-N-MeFOSA-M	74		10 - 150	05/01/22 16:24	05/02/22 11:05	1
d-N-EtFOSA-M	78		10 - 150	05/01/22 16:24	05/02/22 11:05	1
d7-N-MeFOSE-M	72		10 - 150	05/01/22 16:24	05/02/22 11:05	1
d9-N-EtFOSE-M	66		10 - 150	05/01/22 16:24	05/02/22 11:05	1
M2-4:2 FTS	117		25 - 150	05/01/22 16:24	05/02/22 11:05	1
M2-6:2 FTS	115		25 - 150	05/01/22 16:24	05/02/22 11:05	1
M2-8:2 FTS	129		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C3 HFPO-DA	97		25 - 150	05/01/22 16:24	05/02/22 11:05	1
13C2 10:2 FTS	110		25 - 150	05/01/22 16:24	05/02/22 11:05	1

Client Sample ID: MP-04-(275-291)-202204

Lab Sample ID: 320-86779-29

Date Collected: 04/11/22 15:20

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Perfluorobutanoic acid (PFBA)	<2.3		4.9	2.3	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluoropentanoic acid (PFPeA)	0.50	J	2.0	0.48	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluoroheptanoic acid (PFHpA)	0.24	J	2.0	0.24	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		05/01/22 16:24	05/02/22 11:46	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		05/01/22 16:24	05/02/22 11:46	1
NEtFOSA	<0.85		2.0	0.85	ng/L		05/01/22 16:24	05/02/22 11:46	1
NMeFOSA	<0.42		2.0	0.42	ng/L		05/01/22 16:24	05/02/22 11:46	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		05/01/22 16:24	05/02/22 11:46	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		05/01/22 16:24	05/02/22 11:46	1
NMeFOSE	<1.4		3.9	1.4	ng/L		05/01/22 16:24	05/02/22 11:46	1
NEtFOSE	<0.83		2.0	0.83	ng/L		05/01/22 16:24	05/02/22 11:46	1
4:2 FTS	<0.23		2.0	0.23	ng/L		05/01/22 16:24	05/02/22 11:46	1
6:2 FTS	<2.4		4.9	2.4	ng/L		05/01/22 16:24	05/02/22 11:46	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(275-291)-202204

Lab Sample ID: 320-86779-29

Date Collected: 04/11/22 15:20

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:24	05/02/22 11:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		05/01/22 16:24	05/02/22 11:46	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		05/01/22 16:24	05/02/22 11:46	1
9CI-PF3ONS	<0.23		2.0	0.23	ng/L		05/01/22 16:24	05/02/22 11:46	1
11CI-PF3OUdS	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 11:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C5 PFPeA	87		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 PFHxA	91		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C4 PFHpA	102		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C4 PFOA	93		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C5 PFNA	92		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 PFDA	86		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 PFUnA	90		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 PFDoA	68		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 PFTeDA	73		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C3 PFBS	82		25 - 150				05/01/22 16:24	05/02/22 11:46	1
18O2 PFHxS	84		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C4 PFOS	77		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C8 FOSA	87		10 - 150				05/01/22 16:24	05/02/22 11:46	1
d3-NMeFOSAA	66		25 - 150				05/01/22 16:24	05/02/22 11:46	1
d5-NEtFOSAA	87		25 - 150				05/01/22 16:24	05/02/22 11:46	1
d-N-MeFOSA-M	69		10 - 150				05/01/22 16:24	05/02/22 11:46	1
d-N-EtFOSA-M	72		10 - 150				05/01/22 16:24	05/02/22 11:46	1
d7-N-MeFOSE-M	63		10 - 150				05/01/22 16:24	05/02/22 11:46	1
d9-N-EtFOSE-M	60		10 - 150				05/01/22 16:24	05/02/22 11:46	1
M2-4:2 FTS	119		25 - 150				05/01/22 16:24	05/02/22 11:46	1
M2-6:2 FTS	117		25 - 150				05/01/22 16:24	05/02/22 11:46	1
M2-8:2 FTS	136		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C3 HFPO-DA	90		25 - 150				05/01/22 16:24	05/02/22 11:46	1
13C2 10:2 FTS	98		25 - 150				05/01/22 16:24	05/02/22 11:46	1

Client Sample ID: MP-05-(SWL-065)-202204

Lab Sample ID: 320-86779-30

Date Collected: 04/11/22 13:30

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	24		4.7	2.2	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluoropentanoic acid (PFPeA)	55		1.9	0.46	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorohexanoic acid (PFHxA)	34		1.9	0.54	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluoroheptanoic acid (PFHpA)	25		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorooctanoic acid (PFOA)	21		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorononanoic acid (PFNA)	0.74	J	1.9	0.25	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		05/01/22 16:24	05/02/22 11:56	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-05-(SWL-065)-202204

Lab Sample ID: 320-86779-30

Date Collected: 04/11/22 13:30

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.9	0.19	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorooctanesulfonic acid (PFOS)	0.52	J	1.9	0.51	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:24	05/02/22 11:56	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:24	05/02/22 11:56	1
NEtFOSA	<0.81		1.9	0.81	ng/L		05/01/22 16:24	05/02/22 11:56	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/01/22 16:24	05/02/22 11:56	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:24	05/02/22 11:56	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:24	05/02/22 11:56	1
NMeFOSE	<1.3		3.7	1.3	ng/L		05/01/22 16:24	05/02/22 11:56	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 11:56	1
4:2 FTS	0.54	J	1.9	0.22	ng/L		05/01/22 16:24	05/02/22 11:56	1
6:2 FTS	7.0		4.7	2.3	ng/L		05/01/22 16:24	05/02/22 11:56	1
8:2 FTS	<0.43		1.9	0.43	ng/L		05/01/22 16:24	05/02/22 11:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		05/01/22 16:24	05/02/22 11:56	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		05/01/22 16:24	05/02/22 11:56	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		05/01/22 16:24	05/02/22 11:56	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 11:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C5 PFPeA	89		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C2 PFHxA	92		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C4 PFHpA	102		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C4 PFOA	94		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C5 PFNA	98		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C2 PFDA	85		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C2 PFUnA	72		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C2 PFDoA	45		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C2 PFTeDA	61		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C3 PFBS	85		25 - 150				05/01/22 16:24	05/02/22 11:56	1
18O2 PFHxS	86		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C4 PFOS	85		25 - 150				05/01/22 16:24	05/02/22 11:56	1
13C8 FOSA	78		10 - 150				05/01/22 16:24	05/02/22 11:56	1
d3-NMeFOSAA	21	*5-	25 - 150				05/01/22 16:24	05/02/22 11:56	1
d5-NEtFOSAA	45		25 - 150				05/01/22 16:24	05/02/22 11:56	1
d-N-MeFOSA-M	24		10 - 150				05/01/22 16:24	05/02/22 11:56	1
d-N-EtFOSA-M	62		10 - 150				05/01/22 16:24	05/02/22 11:56	1
d7-N-MeFOSE-M	24		10 - 150				05/01/22 16:24	05/02/22 11:56	1
d9-N-EtFOSE-M	53		10 - 150				05/01/22 16:24	05/02/22 11:56	1
M2-4:2 FTS	115		25 - 150				05/01/22 16:24	05/02/22 11:56	1
M2-6:2 FTS	139		25 - 150				05/01/22 16:24	05/02/22 11:56	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-05-(SWL-065)-202204

Lab Sample ID: 320-86779-30

Date Collected: 04/11/22 13:30

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	140		25 - 150	05/01/22 16:24	05/02/22 11:56	1
13C3 HFPO-DA	96		25 - 150	05/01/22 16:24	05/02/22 11:56	1
13C2 10:2 FTS	76		25 - 150	05/01/22 16:24	05/02/22 11:56	1

Client Sample ID: MW-01-202204

Lab Sample ID: 320-86779-31

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	300		4.5	2.2	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluoroheptanoic acid (PFHpA)	260		1.8	0.23	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorooctanoic acid (PFOA)	120		1.8	0.77	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorononanoic acid (PFNA)	13		1.8	0.25	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.8	0.18	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.8	0.52	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorooctanesulfonic acid (PFOS)	4.0		1.8	0.49	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		05/01/22 16:24	05/02/22 12:06	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		05/01/22 16:24	05/02/22 12:06	1
NEtFOSA	<0.79		1.8	0.79	ng/L		05/01/22 16:24	05/02/22 12:06	1
NMeFOSA	<0.39		1.8	0.39	ng/L		05/01/22 16:24	05/02/22 12:06	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		05/01/22 16:24	05/02/22 12:06	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		05/01/22 16:24	05/02/22 12:06	1
NMeFOSE	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/02/22 12:06	1
NEtFOSE	<0.77		1.8	0.77	ng/L		05/01/22 16:24	05/02/22 12:06	1
4:2 FTS	0.50	J	1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:06	1
8:2 FTS	12		1.8	0.42	ng/L		05/01/22 16:24	05/02/22 12:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		05/01/22 16:24	05/02/22 12:06	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		05/01/22 16:24	05/02/22 12:06	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:06	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:06	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	90		25 - 150	05/01/22 16:24	05/02/22 12:06	1			
13C4 PFHpA	108		25 - 150	05/01/22 16:24	05/02/22 12:06	1			
13C4 PFOA	99		25 - 150	05/01/22 16:24	05/02/22 12:06	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-01-202204

Lab Sample ID: 320-86779-31

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	99		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C2 PFDA	98		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C2 PFUnA	92		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C2 PFDoA	88		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C2 PFTeDA	89		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C3 PFBS	88		25 - 150	05/01/22 16:24	05/02/22 12:06	1
18O2 PFHxS	87		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C4 PFOS	82		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C8 FOSA	89		10 - 150	05/01/22 16:24	05/02/22 12:06	1
d3-NMeFOSAA	86		25 - 150	05/01/22 16:24	05/02/22 12:06	1
d5-NEtFOSAA	86		25 - 150	05/01/22 16:24	05/02/22 12:06	1
d-N-MeFOSA-M	78		10 - 150	05/01/22 16:24	05/02/22 12:06	1
d-N-EtFOSA-M	83		10 - 150	05/01/22 16:24	05/02/22 12:06	1
d7-N-MeFOSE-M	79		10 - 150	05/01/22 16:24	05/02/22 12:06	1
d9-N-EtFOSE-M	71		10 - 150	05/01/22 16:24	05/02/22 12:06	1
M2-4:2 FTS	106		25 - 150	05/01/22 16:24	05/02/22 12:06	1
M2-8:2 FTS	114		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C3 HFPO-DA	103		25 - 150	05/01/22 16:24	05/02/22 12:06	1
13C2 10:2 FTS	106		25 - 150	05/01/22 16:24	05/02/22 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1200		18	4.5	ng/L		05/01/22 16:24	05/05/22 13:11	10
Perfluorohexanoic acid (PFHxA)	600		18	5.3	ng/L		05/01/22 16:24	05/05/22 13:11	10
6:2 FTS	780		45	23	ng/L		05/01/22 16:24	05/05/22 13:11	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	88		25 - 150	05/01/22 16:24	05/05/22 13:11	10
13C2 PFHxA	94		25 - 150	05/01/22 16:24	05/05/22 13:11	10
M2-6:2 FTS	112		25 - 150	05/01/22 16:24	05/05/22 13:11	10

Client Sample ID: MW-03-202204

Lab Sample ID: 320-86779-32

Date Collected: 04/12/22 12:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		4.5	2.2	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluoropentanoic acid (PFPeA)	1.4	J	1.8	0.44	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorohexanoic acid (PFHxA)	0.87	J	1.8	0.53	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluoroheptanoic acid (PFHpA)	0.55	J	1.8	0.23	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L		05/01/22 16:24	05/02/22 12:16	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-03-202204

Lab Sample ID: 320-86779-32

Date Collected: 04/12/22 12:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		05/01/22 16:24	05/02/22 12:16	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		05/01/22 16:24	05/02/22 12:16	1
NEtFOSA	<0.79		1.8	0.79	ng/L		05/01/22 16:24	05/02/22 12:16	1
NMeFOSA	<0.39		1.8	0.39	ng/L		05/01/22 16:24	05/02/22 12:16	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		05/01/22 16:24	05/02/22 12:16	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		05/01/22 16:24	05/02/22 12:16	1
NMeFOSE	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/02/22 12:16	1
NEtFOSE	<0.77		1.8	0.77	ng/L		05/01/22 16:24	05/02/22 12:16	1
4:2 FTS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:16	1
6:2 FTS	<2.3		4.5	2.3	ng/L		05/01/22 16:24	05/02/22 12:16	1
8:2 FTS	<0.42		1.8	0.42	ng/L		05/01/22 16:24	05/02/22 12:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		05/01/22 16:24	05/02/22 12:16	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		05/01/22 16:24	05/02/22 12:16	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:16	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C5 PFPeA	91		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C2 PFHxA	98		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C4 PFHpA	103		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C4 PFOA	94		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C5 PFNA	93		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C2 PFDA	94		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C2 PFUnA	89		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C2 PFDoA	85		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C2 PFTeDA	84		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C3 PFBS	82		25 - 150	05/01/22 16:24	05/02/22 12:16	1
18O2 PFHxS	86		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C4 PFOS	81		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C8 FOSA	84		10 - 150	05/01/22 16:24	05/02/22 12:16	1
d3-NMeFOSAA	84		25 - 150	05/01/22 16:24	05/02/22 12:16	1
d5-NEtFOSAA	82		25 - 150	05/01/22 16:24	05/02/22 12:16	1
d-N-MeFOSA-M	74		10 - 150	05/01/22 16:24	05/02/22 12:16	1
d-N-EtFOSA-M	76		10 - 150	05/01/22 16:24	05/02/22 12:16	1
d7-N-MeFOSE-M	71		10 - 150	05/01/22 16:24	05/02/22 12:16	1
d9-N-EtFOSE-M	66		10 - 150	05/01/22 16:24	05/02/22 12:16	1
M2-4:2 FTS	111		25 - 150	05/01/22 16:24	05/02/22 12:16	1
M2-6:2 FTS	112		25 - 150	05/01/22 16:24	05/02/22 12:16	1
M2-8:2 FTS	108		25 - 150	05/01/22 16:24	05/02/22 12:16	1
13C3 HFPO-DA	94		25 - 150	05/01/22 16:24	05/02/22 12:16	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-03-202204

Lab Sample ID: 320-86779-32

Date Collected: 04/12/22 12:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 10:2 FTS	96		25 - 150	05/01/22 16:24	05/02/22 12:16	1

Client Sample ID: MW-04-202204

Lab Sample ID: 320-86779-33

Date Collected: 04/12/22 17:52

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	85		1.8	0.24	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorodecanoic acid (PFDA)	28		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluoroundecanoic acid (PFUnA)	1.8		1.8	0.99	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.8	0.18	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	1.8	0.27	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorohexanesulfonic acid (PFHxS)	4.1		1.8	0.51	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorooctanesulfonic acid (PFOS)	20		1.8	0.48	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		05/01/22 16:24	05/02/22 12:26	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		05/01/22 16:24	05/02/22 12:26	1
NEtFOSA	<0.78		1.8	0.78	ng/L		05/01/22 16:24	05/02/22 12:26	1
NMeFOSA	<0.39		1.8	0.39	ng/L		05/01/22 16:24	05/02/22 12:26	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		05/01/22 16:24	05/02/22 12:26	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		05/01/22 16:24	05/02/22 12:26	1
NMeFOSE	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/02/22 12:26	1
NEtFOSE	<0.76		1.8	0.76	ng/L		05/01/22 16:24	05/02/22 12:26	1
4:2 FTS	110		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		05/01/22 16:24	05/02/22 12:26	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/02/22 12:26	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 12:26	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 12:26	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C5 PFNA	124		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C2 PFDA	112		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C2 PFUnA	114		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C2 PFDoA	106		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C2 PFTeDA	102		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C3 PFBS	107		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
18O2 PFHxS	111		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C4 PFOS	107		25 - 150	05/01/22 16:24	05/02/22 12:26	1			
13C8 FOSA	105		10 - 150	05/01/22 16:24	05/02/22 12:26	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-04-202204

Lab Sample ID: 320-86779-33

Date Collected: 04/12/22 17:52

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	109		25 - 150	05/01/22 16:24	05/02/22 12:26	1
d5-NEtFOSAA	109		25 - 150	05/01/22 16:24	05/02/22 12:26	1
d-N-MeFOSA-M	92		10 - 150	05/01/22 16:24	05/02/22 12:26	1
d-N-EtFOSA-M	93		10 - 150	05/01/22 16:24	05/02/22 12:26	1
d7-N-MeFOSE-M	86		10 - 150	05/01/22 16:24	05/02/22 12:26	1
d9-N-EtFOSE-M	83		10 - 150	05/01/22 16:24	05/02/22 12:26	1
M2-4:2 FTS	111		25 - 150	05/01/22 16:24	05/02/22 12:26	1
13C3 HFPO-DA	123		25 - 150	05/01/22 16:24	05/02/22 12:26	1
13C2 10:2 FTS	125		25 - 150	05/01/22 16:24	05/02/22 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	530		450	220	ng/L		05/01/22 16:24	05/05/22 12:19	100
Perfluoropentanoic acid (PFPeA)	1800		180	44	ng/L		05/01/22 16:24	05/05/22 12:19	100
Perfluorohexanoic acid (PFHxA)	3100		180	52	ng/L		05/01/22 16:24	05/05/22 12:19	100
Perfluoroheptanoic acid (PFHpA)	880		180	22	ng/L		05/01/22 16:24	05/05/22 12:19	100
Perfluorooctanoic acid (PFOA)	1300		180	76	ng/L		05/01/22 16:24	05/05/22 12:19	100
6:2 FTS	5900		450	220	ng/L		05/01/22 16:24	05/05/22 12:19	100
8:2 FTS	2100		180	41	ng/L		05/01/22 16:24	05/05/22 12:19	100

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	05/01/22 16:24	05/05/22 12:19	100
13C5 PFPeA	94		25 - 150	05/01/22 16:24	05/05/22 12:19	100
13C2 PFHxA	87		25 - 150	05/01/22 16:24	05/05/22 12:19	100
13C4 PFHpA	106		25 - 150	05/01/22 16:24	05/05/22 12:19	100
13C4 PFOA	104		25 - 150	05/01/22 16:24	05/05/22 12:19	100
M2-6:2 FTS	285	*5+	25 - 150	05/01/22 16:24	05/05/22 12:19	100
M2-8:2 FTS	182	*5+	25 - 150	05/01/22 16:24	05/05/22 12:19	100

Client Sample ID: MW-05-202204

Lab Sample ID: 320-86779-34

Date Collected: 04/12/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	47		4.5	2.2	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluoropentanoic acid (PFPeA)	170		1.8	0.45	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorohexanoic acid (PFHxA)	110		1.8	0.53	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluoroheptanoic acid (PFHpA)	81		1.8	0.23	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorooctanoic acid (PFOA)	47		1.8	0.77	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorononanoic acid (PFNA)	5.4		1.8	0.25	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.28	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorobutanesulfonic acid (PFBS)	0.49	J	1.8	0.18	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		05/01/22 16:24	05/05/22 14:52	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-05-202204

Lab Sample ID: 320-86779-34

Date Collected: 04/12/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	0.49	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		05/01/22 16:24	05/05/22 14:52	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		05/01/22 16:24	05/05/22 14:52	1
NEtFOSA	<0.79		1.8	0.79	ng/L		05/01/22 16:24	05/05/22 14:52	1
NMeFOSA	<0.39		1.8	0.39	ng/L		05/01/22 16:24	05/05/22 14:52	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		05/01/22 16:24	05/05/22 14:52	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		05/01/22 16:24	05/05/22 14:52	1
NMeFOSE	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/05/22 14:52	1
NEtFOSE	<0.77		1.8	0.77	ng/L		05/01/22 16:24	05/05/22 14:52	1
4:2 FTS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/05/22 14:52	1
6:2 FTS	84		4.5	2.3	ng/L		05/01/22 16:24	05/05/22 14:52	1
8:2 FTS	41		1.8	0.42	ng/L		05/01/22 16:24	05/05/22 14:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		05/01/22 16:24	05/05/22 14:52	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		05/01/22 16:24	05/05/22 14:52	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/05/22 14:52	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/05/22 14:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C5 PFPeA	97		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 PFHxA	91		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C4 PFHpA	99		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C4 PFOA	101		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C5 PFNA	100		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 PFDA	90		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 PFUnA	95		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 PFDoA	88		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 PFTeDA	88		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C3 PFBS	86		25 - 150	05/01/22 16:24	05/05/22 14:52	1
18O2 PFHxS	88		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C4 PFOS	86		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C8 FOSA	84		10 - 150	05/01/22 16:24	05/05/22 14:52	1
d3-NMeFOSAA	81		25 - 150	05/01/22 16:24	05/05/22 14:52	1
d5-NEtFOSAA	78		25 - 150	05/01/22 16:24	05/05/22 14:52	1
d-N-MeFOSA-M	74		10 - 150	05/01/22 16:24	05/05/22 14:52	1
d-N-EtFOSA-M	76		10 - 150	05/01/22 16:24	05/05/22 14:52	1
d7-N-MeFOSE-M	74		10 - 150	05/01/22 16:24	05/05/22 14:52	1
d9-N-EtFOSE-M	74		10 - 150	05/01/22 16:24	05/05/22 14:52	1
M2-4:2 FTS	111		25 - 150	05/01/22 16:24	05/05/22 14:52	1
M2-6:2 FTS	106		25 - 150	05/01/22 16:24	05/05/22 14:52	1
M2-8:2 FTS	104		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C3 HFPO-DA	100		25 - 150	05/01/22 16:24	05/05/22 14:52	1
13C2 10:2 FTS	94		25 - 150	05/01/22 16:24	05/05/22 14:52	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-06-202204

Lab Sample ID: 320-86779-35

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:24	05/02/22 12:46	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorobutanesulfonic acid (PFBS)	0.66	J	1.7	0.17	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		05/01/22 16:24	05/02/22 12:46	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		05/01/22 16:24	05/02/22 12:46	1
NEtFOSA	<0.75		1.7	0.75	ng/L		05/01/22 16:24	05/02/22 12:46	1
NMeFOSA	<0.37		1.7	0.37	ng/L		05/01/22 16:24	05/02/22 12:46	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		05/01/22 16:24	05/02/22 12:46	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		05/01/22 16:24	05/02/22 12:46	1
NMeFOSE	<1.2		3.5	1.2	ng/L		05/01/22 16:24	05/02/22 12:46	1
NEtFOSE	<0.74		1.7	0.74	ng/L		05/01/22 16:24	05/02/22 12:46	1
4:2 FTS	<0.21		1.7	0.21	ng/L		05/01/22 16:24	05/02/22 12:46	1
6:2 FTS	<2.2		4.3	2.2	ng/L		05/01/22 16:24	05/02/22 12:46	1
8:2 FTS	<0.40		1.7	0.40	ng/L		05/01/22 16:24	05/02/22 12:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		05/01/22 16:24	05/02/22 12:46	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		05/01/22 16:24	05/02/22 12:46	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		05/01/22 16:24	05/02/22 12:46	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		05/01/22 16:24	05/02/22 12:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C5 PFPeA	94		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 PFHxA	100		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C4 PFHpA	104		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C4 PFOA	100		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C5 PFNA	100		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 PFDA	96		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 PFUnA	95		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 PFDoA	92		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 PFTeDA	83		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C3 PFBS	88		25 - 150	05/01/22 16:24	05/02/22 12:46	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-06-202204

Lab Sample ID: 320-86779-35

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	87		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C4 PFOS	85		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C8 FOSA	87		10 - 150	05/01/22 16:24	05/02/22 12:46	1
d3-NMeFOSAA	88		25 - 150	05/01/22 16:24	05/02/22 12:46	1
d5-NEtFOSAA	86		25 - 150	05/01/22 16:24	05/02/22 12:46	1
d-N-MeFOSA-M	77		10 - 150	05/01/22 16:24	05/02/22 12:46	1
d-N-EtFOSA-M	79		10 - 150	05/01/22 16:24	05/02/22 12:46	1
d7-N-MeFOSE-M	75		10 - 150	05/01/22 16:24	05/02/22 12:46	1
d9-N-EtFOSE-M	69		10 - 150	05/01/22 16:24	05/02/22 12:46	1
M2-4:2 FTS	118		25 - 150	05/01/22 16:24	05/02/22 12:46	1
M2-6:2 FTS	116		25 - 150	05/01/22 16:24	05/02/22 12:46	1
M2-8:2 FTS	118		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C3 HFPO-DA	103		25 - 150	05/01/22 16:24	05/02/22 12:46	1
13C2 10:2 FTS	103		25 - 150	05/01/22 16:24	05/02/22 12:46	1

Client Sample ID: MW-07-202204

Lab Sample ID: 320-86779-36

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.1	2.0	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluoropentanoic acid (PFPeA)	<0.40		1.6	0.40	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorohexanoic acid (PFHxA)	<0.47		1.6	0.47	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluoroheptanoic acid (PFHpA)	<0.20		1.6	0.20	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorooctanoic acid (PFOA)	<0.70		1.6	0.70	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorononanoic acid (PFNA)	<0.22		1.6	0.22	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorodecanoic acid (PFDA)	<0.25		1.6	0.25	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluoroundecanoic acid (PFUnA)	<0.90		1.6	0.90	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorododecanoic acid (PFDoA)	<0.45		1.6	0.45	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.6	1.1	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.60		1.6	0.60	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorobutanesulfonic acid (PFBS)	1.3 J		1.6	0.16	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.6	0.25	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.6	0.47	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.6	0.16	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorooctanesulfonic acid (PFOS)	<0.44		1.6	0.44	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorononanesulfonic acid (PFNS)	<0.30		1.6	0.30	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.26		1.6	0.26	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.79		1.6	0.79	ng/L		05/01/22 16:24	05/02/22 12:56	1
Perfluorooctanesulfonamide (FOSA)	<0.80		1.6	0.80	ng/L		05/01/22 16:24	05/02/22 12:56	1
NEtFOSA	<0.71		1.6	0.71	ng/L		05/01/22 16:24	05/02/22 12:56	1
NMeFOSA	<0.35		1.6	0.35	ng/L		05/01/22 16:24	05/02/22 12:56	1
NMeFOSAA	<0.98		4.1	0.98	ng/L		05/01/22 16:24	05/02/22 12:56	1
NEtFOSAA	<1.1		4.1	1.1	ng/L		05/01/22 16:24	05/02/22 12:56	1
NMeFOSE	<1.1		3.3	1.1	ng/L		05/01/22 16:24	05/02/22 12:56	1
NEtFOSE	<0.70		1.6	0.70	ng/L		05/01/22 16:24	05/02/22 12:56	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-07-202204

Lab Sample ID: 320-86779-36

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	<0.20		1.6	0.20	ng/L		05/01/22 16:24	05/02/22 12:56	1
6:2 FTS	<2.0		4.1	2.0	ng/L		05/01/22 16:24	05/02/22 12:56	1
8:2 FTS	<0.38		1.6	0.38	ng/L		05/01/22 16:24	05/02/22 12:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.6	0.33	ng/L		05/01/22 16:24	05/02/22 12:56	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		05/01/22 16:24	05/02/22 12:56	1
9CI-PF3ONS	<0.20		1.6	0.20	ng/L		05/01/22 16:24	05/02/22 12:56	1
11CI-PF3OUdS	<0.26		1.6	0.26	ng/L		05/01/22 16:24	05/02/22 12:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C5 PFPeA	96		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 PFHxA	96		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C4 PFHpA	110		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C4 PFOA	96		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C5 PFNA	94		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 PFDA	96		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 PFUnA	91		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 PFDoA	82		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 PFTeDA	81		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C3 PFBS	83		25 - 150				05/01/22 16:24	05/02/22 12:56	1
18O2 PFHxS	87		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C4 PFOS	80		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C8 FOSA	85		10 - 150				05/01/22 16:24	05/02/22 12:56	1
d3-NMeFOSAA	84		25 - 150				05/01/22 16:24	05/02/22 12:56	1
d5-NEtFOSAA	80		25 - 150				05/01/22 16:24	05/02/22 12:56	1
d-N-MeFOSA-M	71		10 - 150				05/01/22 16:24	05/02/22 12:56	1
d-N-EtFOSA-M	72		10 - 150				05/01/22 16:24	05/02/22 12:56	1
d7-N-MeFOSE-M	71		10 - 150				05/01/22 16:24	05/02/22 12:56	1
d9-N-EtFOSE-M	67		10 - 150				05/01/22 16:24	05/02/22 12:56	1
M2-4:2 FTS	114		25 - 150				05/01/22 16:24	05/02/22 12:56	1
M2-6:2 FTS	107		25 - 150				05/01/22 16:24	05/02/22 12:56	1
M2-8:2 FTS	113		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C3 HFPO-DA	97		25 - 150				05/01/22 16:24	05/02/22 12:56	1
13C2 10:2 FTS	92		25 - 150				05/01/22 16:24	05/02/22 12:56	1

Client Sample ID: PZ-01-202204

Lab Sample ID: 320-86779-37

Date Collected: 04/12/22 18:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.5	2.1	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		05/01/22 16:24	05/02/22 13:06	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: PZ-01-202204

Lab Sample ID: 320-86779-37

Date Collected: 04/12/22 18:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		05/01/22 16:24	05/02/22 13:06	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		05/01/22 16:24	05/02/22 13:06	1
NEtFOSA	<0.78		1.8	0.78	ng/L		05/01/22 16:24	05/02/22 13:06	1
NMeFOSA	<0.38		1.8	0.38	ng/L		05/01/22 16:24	05/02/22 13:06	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		05/01/22 16:24	05/02/22 13:06	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		05/01/22 16:24	05/02/22 13:06	1
NMeFOSE	<1.2		3.6	1.2	ng/L		05/01/22 16:24	05/02/22 13:06	1
NEtFOSE	<0.76		1.8	0.76	ng/L		05/01/22 16:24	05/02/22 13:06	1
4:2 FTS	<0.21		1.8	0.21	ng/L		05/01/22 16:24	05/02/22 13:06	1
6:2 FTS	<2.2		4.5	2.2	ng/L		05/01/22 16:24	05/02/22 13:06	1
8:2 FTS	<0.41		1.8	0.41	ng/L		05/01/22 16:24	05/02/22 13:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		05/01/22 16:24	05/02/22 13:06	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		05/01/22 16:24	05/02/22 13:06	1
9CI-PF3ONS	<0.21		1.8	0.21	ng/L		05/01/22 16:24	05/02/22 13:06	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 13:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C5 PFPeA	89		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 PFHxA	93		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C4 PFHpA	104		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C4 PFOA	96		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C5 PFNA	95		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 PFDA	92		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 PFUnA	88		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 PFDoA	81		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 PFTeDA	73		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C3 PFBS	81		25 - 150	05/01/22 16:24	05/02/22 13:06	1
18O2 PFHxS	84		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C4 PFOS	78		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C8 FOSA	84		10 - 150	05/01/22 16:24	05/02/22 13:06	1
d3-NMeFOSAA	81		25 - 150	05/01/22 16:24	05/02/22 13:06	1
d5-NEtFOSAA	76		25 - 150	05/01/22 16:24	05/02/22 13:06	1
d-N-MeFOSA-M	75		10 - 150	05/01/22 16:24	05/02/22 13:06	1
d-N-EtFOSA-M	76		10 - 150	05/01/22 16:24	05/02/22 13:06	1
d7-N-MeFOSE-M	70		10 - 150	05/01/22 16:24	05/02/22 13:06	1
d9-N-EtFOSE-M	66		10 - 150	05/01/22 16:24	05/02/22 13:06	1
M2-4:2 FTS	114		25 - 150	05/01/22 16:24	05/02/22 13:06	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: PZ-01-202204

Lab Sample ID: 320-86779-37

Date Collected: 04/12/22 18:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	115		25 - 150	05/01/22 16:24	05/02/22 13:06	1
M2-8:2 FTS	106		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C3 HFPO-DA	92		25 - 150	05/01/22 16:24	05/02/22 13:06	1
13C2 10:2 FTS	93		25 - 150	05/01/22 16:24	05/02/22 13:06	1

Client Sample ID: DUP-01-202204

Lab Sample ID: 320-86779-38

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		4.6	2.2	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoropentanoic acid (PFPeA)	54		1.8	0.45	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorohexanoic acid (PFHxA)	31		1.8	0.53	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoroheptanoic acid (PFHpA)	24		1.8	0.23	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorooctanoic acid (PFOA)	20		1.8	0.78	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorononanoic acid (PFNA)	0.72	J	1.8	0.25	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.18	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.53		1.8	0.53	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		04/20/22 12:00	04/22/22 14:25	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		04/20/22 12:00	04/22/22 14:25	1
NEtFOSA	<0.80		1.8	0.80	ng/L		04/20/22 12:00	04/22/22 14:25	1
NMeFOSA	<0.40		1.8	0.40	ng/L		04/20/22 12:00	04/22/22 14:25	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		04/20/22 12:00	04/22/22 14:25	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		04/20/22 12:00	04/22/22 14:25	1
NMeFOSE	<1.3		3.7	1.3	ng/L		04/20/22 12:00	04/22/22 14:25	1
NEtFOSE	<0.78		1.8	0.78	ng/L		04/20/22 12:00	04/22/22 14:25	1
4:2 FTS	0.48	J	1.8	0.22	ng/L		04/20/22 12:00	04/22/22 14:25	1
6:2 FTS	4.3	J	4.6	2.3	ng/L		04/20/22 12:00	04/22/22 14:25	1
8:2 FTS	<0.42		1.8	0.42	ng/L		04/20/22 12:00	04/22/22 14:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		04/20/22 12:00	04/22/22 14:25	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		04/20/22 12:00	04/22/22 14:25	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		04/20/22 12:00	04/22/22 14:25	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		04/20/22 12:00	04/22/22 14:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	71		25 - 150				04/20/22 12:00	04/22/22 14:25	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-01-202204

Lab Sample ID: 320-86779-38

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	71		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 PFHxA	73		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C4 PFHpA	80		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C4 PFOA	74		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C5 PFNA	79		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 PFDA	71		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 PFUnA	70		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 PFDoA	51		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 PFTeDA	48		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C3 PFBS	67		25 - 150	04/20/22 12:00	04/22/22 14:25	1
18O2 PFHxS	69		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C4 PFOS	69		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C8 FOSA	73		10 - 150	04/20/22 12:00	04/22/22 14:25	1
d3-NMeFOSAA	43		25 - 150	04/20/22 12:00	04/22/22 14:25	1
d5-NEtFOSAA	60		25 - 150	04/20/22 12:00	04/22/22 14:25	1
d-N-MeFOSA-M	44		10 - 150	04/20/22 12:00	04/22/22 14:25	1
d-N-EtFOSA-M	55		10 - 150	04/20/22 12:00	04/22/22 14:25	1
d7-N-MeFOSE-M	46		10 - 150	04/20/22 12:00	04/22/22 14:25	1
d9-N-EtFOSE-M	50		10 - 150	04/20/22 12:00	04/22/22 14:25	1
M2-4:2 FTS	86		25 - 150	04/20/22 12:00	04/22/22 14:25	1
M2-6:2 FTS	94		25 - 150	04/20/22 12:00	04/22/22 14:25	1
M2-8:2 FTS	112		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C3 HFPO-DA	70		25 - 150	04/20/22 12:00	04/22/22 14:25	1
13C2 10:2 FTS	73		25 - 150	04/20/22 12:00	04/22/22 14:25	1

Client Sample ID: DUP-02-202204

Lab Sample ID: 320-86779-39

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	170		4.7	2.3	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluoroheptanoic acid (PFHpA)	140		1.9	0.24	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorooctanoic acid (PFOA)	200		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorononanoic acid (PFNA)	11		1.9	0.25	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorodecanoic acid (PFDA)	0.81	J	1.9	0.29	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorobutanesulfonic acid (PFBS)	0.70	J	1.9	0.19	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	1.9	0.28	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9	0.54	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorooctanesulfonic acid (PFOS)	4.5		1.9	0.51	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:24	05/02/22 13:17	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-02-202204

Lab Sample ID: 320-86779-39

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:24	05/02/22 13:17	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:24	05/02/22 13:17	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/01/22 16:24	05/02/22 13:17	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:24	05/02/22 13:17	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:24	05/02/22 13:17	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:24	05/02/22 13:17	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:24	05/02/22 13:17	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 13:17	1
4:2 FTS	51		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 13:17	1
8:2 FTS	130		1.9	0.43	ng/L		05/01/22 16:24	05/02/22 13:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:24	05/02/22 13:17	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:24	05/02/22 13:17	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 13:17	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 13:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C4 PFHpA	114		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C4 PFOA	92		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C5 PFNA	103		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C2 PFDA	101		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C2 PFUnA	97		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C2 PFDoA	88		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C2 PFTeDA	89		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C3 PFBS	93		25 - 150	05/01/22 16:24	05/02/22 13:17	1
18O2 PFHxS	99		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C4 PFOS	90		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C8 FOSA	93		10 - 150	05/01/22 16:24	05/02/22 13:17	1
d3-NMeFOSAA	92		25 - 150	05/01/22 16:24	05/02/22 13:17	1
d5-NEtFOSAA	93		25 - 150	05/01/22 16:24	05/02/22 13:17	1
d-N-MeFOSA-M	79		10 - 150	05/01/22 16:24	05/02/22 13:17	1
d-N-EtFOSA-M	83		10 - 150	05/01/22 16:24	05/02/22 13:17	1
d7-N-MeFOSE-M	78		10 - 150	05/01/22 16:24	05/02/22 13:17	1
d9-N-EtFOSE-M	72		10 - 150	05/01/22 16:24	05/02/22 13:17	1
M2-4:2 FTS	124		25 - 150	05/01/22 16:24	05/02/22 13:17	1
M2-8:2 FTS	126		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C3 HFPO-DA	106		25 - 150	05/01/22 16:24	05/02/22 13:17	1
13C2 10:2 FTS	106		25 - 150	05/01/22 16:24	05/02/22 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	750		38	9.2	ng/L		05/01/22 16:24	05/05/22 12:50	20
Perfluorohexanoic acid (PFHxA)	660		38	11	ng/L		05/01/22 16:24	05/05/22 12:50	20
6:2 FTS	3500		94	47	ng/L		05/01/22 16:24	05/05/22 12:50	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	94		25 - 150	05/01/22 16:24	05/05/22 12:50	20
13C2 PFHxA	84		25 - 150	05/01/22 16:24	05/05/22 12:50	20
M2-6:2 FTS	132		25 - 150	05/01/22 16:24	05/05/22 12:50	20

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-03-202204

Lab Sample ID: 320-86779-40

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	46		4.7	2.3	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluoropentanoic acid (PFPeA)	190		1.9	0.46	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorohexanoic acid (PFHxA)	120		1.9	0.55	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluoroheptanoic acid (PFHpA)	64		1.9	0.24	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorooctanoic acid (PFOA)	51		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorononanoic acid (PFNA)	4.2		1.9	0.26	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorodecanoic acid (PFDA)	0.65	J	1.9	0.29	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorobutanesulfonic acid (PFBS)	0.32	J	1.9	0.19	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.9	0.51	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		05/01/22 16:24	05/02/22 13:57	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		05/01/22 16:24	05/02/22 13:57	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/01/22 16:24	05/02/22 13:57	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:24	05/02/22 13:57	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:24	05/02/22 13:57	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:24	05/02/22 13:57	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:24	05/02/22 13:57	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:24	05/02/22 13:57	1
4:2 FTS	3.3		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 13:57	1
8:2 FTS	51		1.9	0.43	ng/L		05/01/22 16:24	05/02/22 13:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:24	05/02/22 13:57	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:24	05/02/22 13:57	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:24	05/02/22 13:57	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:24	05/02/22 13:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C5 PFPeA	89		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C2 PFHxA	96		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C4 PFHpA	101		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C4 PFOA	96		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C5 PFNA	96		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C2 PFDA	94		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C2 PFUnA	92		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C2 PFDoA	85		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C2 PFTrDA	86		25 - 150				05/01/22 16:24	05/02/22 13:57	1
13C3 PFBS	82		25 - 150				05/01/22 16:24	05/02/22 13:57	1
18O2 PFHxS	89		25 - 150				05/01/22 16:24	05/02/22 13:57	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-03-202204

Lab Sample ID: 320-86779-40

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	77		25 - 150	05/01/22 16:24	05/02/22 13:57	1
13C8 FOSA	86		10 - 150	05/01/22 16:24	05/02/22 13:57	1
d3-NMeFOSAA	86		25 - 150	05/01/22 16:24	05/02/22 13:57	1
d5-NEtFOSAA	89		25 - 150	05/01/22 16:24	05/02/22 13:57	1
d-N-MeFOSA-M	79		10 - 150	05/01/22 16:24	05/02/22 13:57	1
d-N-EtFOSA-M	80		10 - 150	05/01/22 16:24	05/02/22 13:57	1
d7-N-MeFOSE-M	72		10 - 150	05/01/22 16:24	05/02/22 13:57	1
d9-N-EtFOSE-M	64		10 - 150	05/01/22 16:24	05/02/22 13:57	1
M2-4:2 FTS	111		25 - 150	05/01/22 16:24	05/02/22 13:57	1
M2-8:2 FTS	111		25 - 150	05/01/22 16:24	05/02/22 13:57	1
13C3 HFPO-DA	96		25 - 150	05/01/22 16:24	05/02/22 13:57	1
13C2 10:2 FTS	102		25 - 150	05/01/22 16:24	05/02/22 13:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	510		24	12	ng/L		05/01/22 16:24	05/05/22 13:41	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	109		25 - 150	05/01/22 16:24	05/05/22 13:41	5

Client Sample ID: DUP-04-202204

Lab Sample ID: 320-86779-41

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		5.0	2.4	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluoropentanoic acid (PFPeA)	240		2.0	0.49	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorohexanoic acid (PFHxA)	170		2.0	0.58	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluoroheptanoic acid (PFHpA)	71		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorooctanoic acid (PFOA)	66		2.0	0.85	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorononanoic acid (PFNA)	7.8		2.0	0.27	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorodecanoic acid (PFDA)	1.5 J		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorobutanesulfonic acid (PFBS)	0.26 J		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorohexanesulfonic acid (PFHxS)	0.71 J		2.0	0.57	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorooctanesulfonic acid (PFOS)	1.8 J		2.0	0.54	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		05/01/22 16:24	05/02/22 14:07	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		05/01/22 16:24	05/02/22 14:07	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-04-202204

Lab Sample ID: 320-86779-41

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.87		2.0	0.87	ng/L		05/01/22 16:24	05/02/22 14:07	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:24	05/02/22 14:07	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/01/22 16:24	05/02/22 14:07	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/01/22 16:24	05/02/22 14:07	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:24	05/02/22 14:07	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/01/22 16:24	05/02/22 14:07	1
4:2 FTS	2.8		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 14:07	1
8:2 FTS	48		2.0	0.46	ng/L		05/01/22 16:24	05/02/22 14:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:24	05/02/22 14:07	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:24	05/02/22 14:07	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 14:07	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 14:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C5 PFPeA	87		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 PFHxA	87		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C4 PFHpA	95		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C4 PFOA	91		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C5 PFNA	90		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 PFDA	82		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 PFUnA	65		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 PFDoA	51		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 PFTeDA	48		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C3 PFBS	77		25 - 150				05/01/22 16:24	05/02/22 14:07	1
18O2 PFHxS	80		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C4 PFOS	73		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C8 FOSA	74		10 - 150				05/01/22 16:24	05/02/22 14:07	1
d3-NMeFOSAA	63		25 - 150				05/01/22 16:24	05/02/22 14:07	1
d5-NEtFOSAA	57		25 - 150				05/01/22 16:24	05/02/22 14:07	1
d-N-MeFOSA-M	48		10 - 150				05/01/22 16:24	05/02/22 14:07	1
d-N-EtFOSA-M	48		10 - 150				05/01/22 16:24	05/02/22 14:07	1
d7-N-MeFOSE-M	44		10 - 150				05/01/22 16:24	05/02/22 14:07	1
d9-N-EtFOSE-M	40		10 - 150				05/01/22 16:24	05/02/22 14:07	1
M2-4:2 FTS	105		25 - 150				05/01/22 16:24	05/02/22 14:07	1
M2-8:2 FTS	94		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C3 HFPO-DA	89		25 - 150				05/01/22 16:24	05/02/22 14:07	1
13C2 10:2 FTS	54		25 - 150				05/01/22 16:24	05/02/22 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	530		25	13	ng/L		05/01/22 16:24	05/05/22 13:51	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	109		25 - 150				05/01/22 16:24	05/05/22 13:51	5

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-05-202204

Lab Sample ID: 320-86779-42

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	56		5.1	2.5	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluoropentanoic acid (PFPeA)	260		2.0	0.50	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorohexanoic acid (PFHxA)	190		2.0	0.59	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluoroheptanoic acid (PFHpA)	66		2.0	0.26	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorooctanoic acid (PFOA)	150		2.0	0.87	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorononanoic acid (PFNA)	8.6		2.0	0.28	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorodecanoic acid (PFDA)	0.95	J	2.0	0.32	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.0	0.75	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	2.0	0.58	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorooctanesulfonic acid (PFOS)	3.4		2.0	0.55	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		05/01/22 16:24	05/02/22 14:17	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		05/01/22 16:24	05/02/22 14:17	1
NEtFOSA	<0.89		2.0	0.89	ng/L		05/01/22 16:24	05/02/22 14:17	1
NMeFOSA	<0.44		2.0	0.44	ng/L		05/01/22 16:24	05/02/22 14:17	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		05/01/22 16:24	05/02/22 14:17	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		05/01/22 16:24	05/02/22 14:17	1
NMeFOSE	<1.4		4.1	1.4	ng/L		05/01/22 16:24	05/02/22 14:17	1
NEtFOSE	<0.87		2.0	0.87	ng/L		05/01/22 16:24	05/02/22 14:17	1
4:2 FTS	15		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 14:17	1
8:2 FTS	160		2.0	0.47	ng/L		05/01/22 16:24	05/02/22 14:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		05/01/22 16:24	05/02/22 14:17	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		05/01/22 16:24	05/02/22 14:17	1
9Cl-PF3ONS	<0.25		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 14:17	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		05/01/22 16:24	05/02/22 14:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C5 PFPeA	89		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C2 PFHxA	99		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C4 PFHpA	108		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C4 PFOA	96		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C5 PFNA	99		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C2 PFDA	98		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C2 PFUnA	98		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C2 PFDoA	90		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C2 PFTrDA	82		25 - 150				05/01/22 16:24	05/02/22 14:17	1
13C3 PFBS	83		25 - 150				05/01/22 16:24	05/02/22 14:17	1
18O2 PFHxS	87		25 - 150				05/01/22 16:24	05/02/22 14:17	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-05-202204

Lab Sample ID: 320-86779-42

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	86		25 - 150	05/01/22 16:24	05/02/22 14:17	1
13C8 FOSA	88		10 - 150	05/01/22 16:24	05/02/22 14:17	1
d3-NMeFOSAA	91		25 - 150	05/01/22 16:24	05/02/22 14:17	1
d5-NEtFOSAA	110		25 - 150	05/01/22 16:24	05/02/22 14:17	1
d-N-MeFOSA-M	71		10 - 150	05/01/22 16:24	05/02/22 14:17	1
d-N-EtFOSA-M	70		10 - 150	05/01/22 16:24	05/02/22 14:17	1
d7-N-MeFOSE-M	74		10 - 150	05/01/22 16:24	05/02/22 14:17	1
d9-N-EtFOSE-M	70		10 - 150	05/01/22 16:24	05/02/22 14:17	1
M2-4:2 FTS	119		25 - 150	05/01/22 16:24	05/02/22 14:17	1
M2-8:2 FTS	112		25 - 150	05/01/22 16:24	05/02/22 14:17	1
13C3 HFPO-DA	98		25 - 150	05/01/22 16:24	05/02/22 14:17	1
13C2 10:2 FTS	107		25 - 150	05/01/22 16:24	05/02/22 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	2000		51	26	ng/L		05/01/22 16:24	05/05/22 13:21	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	114		25 - 150	05/01/22 16:24	05/05/22 13:21	10

Client Sample ID: DUP-06-202204

Lab Sample ID: 320-86779-43

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	50		4.6	2.2	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluoropentanoic acid (PFPeA)	170		1.8	0.45	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorohexanoic acid (PFHxA)	110		1.8	0.53	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluoroheptanoic acid (PFHpA)	78		1.8	0.23	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorooctanoic acid (PFOA)	49		1.8	0.78	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorononanoic acid (PFNA)	5.3		1.8	0.25	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorodecanoic acid (PFDA)	1.2 J		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorobutanesulfonic acid (PFBS)	0.50 J		1.8	0.18	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	0.50	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		05/01/22 16:24	05/02/22 14:28	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		05/01/22 16:24	05/02/22 14:28	1
NEtFOSA	<0.80		1.8	0.80	ng/L		05/01/22 16:24	05/02/22 14:28	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-06-202204

Lab Sample ID: 320-86779-43

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.40		1.8	0.40	ng/L		05/01/22 16:24	05/02/22 14:28	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		05/01/22 16:24	05/02/22 14:28	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		05/01/22 16:24	05/02/22 14:28	1
NMeFOSE	<1.3		3.7	1.3	ng/L		05/01/22 16:24	05/02/22 14:28	1
NEtFOSE	<0.78		1.8	0.78	ng/L		05/01/22 16:24	05/02/22 14:28	1
4:2 FTS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 14:28	1
6:2 FTS	89		4.6	2.3	ng/L		05/01/22 16:24	05/02/22 14:28	1
8:2 FTS	40		1.8	0.42	ng/L		05/01/22 16:24	05/02/22 14:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		05/01/22 16:24	05/02/22 14:28	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		05/01/22 16:24	05/02/22 14:28	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		05/01/22 16:24	05/02/22 14:28	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		05/01/22 16:24	05/02/22 14:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C5 PFPeA	93		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 PFHxA	94		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C4 PFHpA	101		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C4 PFOA	97		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C5 PFNA	95		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 PFDA	92		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 PFUnA	93		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 PFDoA	87		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 PFTeDA	81		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C3 PFBS	87		25 - 150				05/01/22 16:24	05/02/22 14:28	1
18O2 PFHxS	90		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C4 PFOS	86		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C8 FOSA	87		10 - 150				05/01/22 16:24	05/02/22 14:28	1
d3-NMeFOSAA	87		25 - 150				05/01/22 16:24	05/02/22 14:28	1
d5-NEtFOSAA	86		25 - 150				05/01/22 16:24	05/02/22 14:28	1
d-N-MeFOSA-M	72		10 - 150				05/01/22 16:24	05/02/22 14:28	1
d-N-EtFOSA-M	75		10 - 150				05/01/22 16:24	05/02/22 14:28	1
d7-N-MeFOSE-M	71		10 - 150				05/01/22 16:24	05/02/22 14:28	1
d9-N-EtFOSE-M	68		10 - 150				05/01/22 16:24	05/02/22 14:28	1
M2-4:2 FTS	121		25 - 150				05/01/22 16:24	05/02/22 14:28	1
M2-6:2 FTS	108		25 - 150				05/01/22 16:24	05/02/22 14:28	1
M2-8:2 FTS	106		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C3 HFPO-DA	92		25 - 150				05/01/22 16:24	05/02/22 14:28	1
13C2 10:2 FTS	99		25 - 150				05/01/22 16:24	05/02/22 14:28	1

Client Sample ID: MP-01-EB-202204

Lab Sample ID: 320-86779-44

Date Collected: 04/12/22 15:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/02/22 15:59	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/01/22 16:37	05/02/22 15:59	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-EB-202204

Lab Sample ID: 320-86779-44

Date Collected: 04/12/22 15:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	<0.86		2.0	0.86	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		05/01/22 16:37	05/02/22 15:59	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		05/01/22 16:37	05/02/22 15:59	1
NEtFOSA	<0.88		2.0	0.88	ng/L		05/01/22 16:37	05/02/22 15:59	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:37	05/02/22 15:59	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/01/22 16:37	05/02/22 15:59	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/01/22 16:37	05/02/22 15:59	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:37	05/02/22 15:59	1
NEtFOSE	<0.86		2.0	0.86	ng/L		05/01/22 16:37	05/02/22 15:59	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/01/22 16:37	05/02/22 15:59	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/01/22 16:37	05/02/22 15:59	1
8:2 FTS	0.51 J		2.0	0.46	ng/L		05/01/22 16:37	05/02/22 15:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:37	05/02/22 15:59	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:37	05/02/22 15:59	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:37	05/02/22 15:59	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:37	05/02/22 15:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C5 PFPeA	87		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 PFHxA	89		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C4 PFHpA	100		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C4 PFOA	96		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C5 PFNA	93		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 PFDA	92		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 PFUnA	90		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 PFDoA	84		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 PFTeDA	85		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C3 PFBS	83		25 - 150	05/01/22 16:37	05/02/22 15:59	1
18O2 PFHxS	88		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C4 PFOS	82		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C8 FOSA	86		10 - 150	05/01/22 16:37	05/02/22 15:59	1
d3-NMeFOSAA	87		25 - 150	05/01/22 16:37	05/02/22 15:59	1
d5-NEtFOSAA	91		25 - 150	05/01/22 16:37	05/02/22 15:59	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-EB-202204

Lab Sample ID: 320-86779-44

Date Collected: 04/12/22 15:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	73		10 - 150	05/01/22 16:37	05/02/22 15:59	1
d-N-EtFOSA-M	76		10 - 150	05/01/22 16:37	05/02/22 15:59	1
d7-N-MeFOSE-M	70		10 - 150	05/01/22 16:37	05/02/22 15:59	1
d9-N-EtFOSE-M	68		10 - 150	05/01/22 16:37	05/02/22 15:59	1
M2-4:2 FTS	109		25 - 150	05/01/22 16:37	05/02/22 15:59	1
M2-6:2 FTS	113		25 - 150	05/01/22 16:37	05/02/22 15:59	1
M2-8:2 FTS	119		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C3 HFPO-DA	92		25 - 150	05/01/22 16:37	05/02/22 15:59	1
13C2 10:2 FTS	109		25 - 150	05/01/22 16:37	05/02/22 15:59	1

Client Sample ID: MP-02-EB-202204

Lab Sample ID: 320-86779-45

Date Collected: 04/12/22 12:50

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/02/22 16:09	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		05/01/22 16:37	05/02/22 16:09	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		05/01/22 16:37	05/02/22 16:09	1
NEtFOSA	<0.83		1.9	0.83	ng/L		05/01/22 16:37	05/02/22 16:09	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:37	05/02/22 16:09	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		05/01/22 16:37	05/02/22 16:09	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		05/01/22 16:37	05/02/22 16:09	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:37	05/02/22 16:09	1
NEtFOSE	<0.81		1.9	0.81	ng/L		05/01/22 16:37	05/02/22 16:09	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:09	1
6:2 FTS	<2.4		4.8	2.4	ng/L		05/01/22 16:37	05/02/22 16:09	1
8:2 FTS	<0.44		1.9	0.44	ng/L		05/01/22 16:37	05/02/22 16:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:37	05/02/22 16:09	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:37	05/02/22 16:09	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-EB-202204

Lab Sample ID: 320-86779-45

Date Collected: 04/12/22 12:50

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:09	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		05/01/22 16:37	05/02/22 16:09	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	88		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C5 PFPeA	85		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 PFHxA	90		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C4 PFHpA	98		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C4 PFOA	94		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C5 PFNA	96		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 PFDA	91		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 PFUnA	90		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 PFDoA	80		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 PFTeDA	77		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C3 PFBS	79		25 - 150				05/01/22 16:37	05/02/22 16:09	1
18O2 PFHxS	83		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C4 PFOS	77		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C8 FOSA	78		10 - 150				05/01/22 16:37	05/02/22 16:09	1
d3-NMeFOSAA	82		25 - 150				05/01/22 16:37	05/02/22 16:09	1
d5-NEtFOSAA	80		25 - 150				05/01/22 16:37	05/02/22 16:09	1
d-N-MeFOSA-M	71		10 - 150				05/01/22 16:37	05/02/22 16:09	1
d-N-EtFOSA-M	76		10 - 150				05/01/22 16:37	05/02/22 16:09	1
d7-N-MeFOSE-M	69		10 - 150				05/01/22 16:37	05/02/22 16:09	1
d9-N-EtFOSE-M	63		10 - 150				05/01/22 16:37	05/02/22 16:09	1
M2-4:2 FTS	107		25 - 150				05/01/22 16:37	05/02/22 16:09	1
M2-6:2 FTS	109		25 - 150				05/01/22 16:37	05/02/22 16:09	1
M2-8:2 FTS	107		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C3 HFPO-DA	93		25 - 150				05/01/22 16:37	05/02/22 16:09	1
13C2 10:2 FTS	98		25 - 150				05/01/22 16:37	05/02/22 16:09	1

Client Sample ID: MP-03-EB-202204

Lab Sample ID: 320-86779-46

Date Collected: 04/12/22 08:45

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/02/22 16:19	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/02/22 16:19	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-EB-202204

Lab Sample ID: 320-86779-46

Date Collected: 04/12/22 08:45

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:37	05/02/22 16:19	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:37	05/02/22 16:19	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/01/22 16:37	05/02/22 16:19	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/01/22 16:37	05/02/22 16:19	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:37	05/02/22 16:19	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:37	05/02/22 16:19	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:37	05/02/22 16:19	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/02/22 16:19	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:19	1
6:2 FTS	<2.4		4.7	2.4	ng/L		05/01/22 16:37	05/02/22 16:19	1
8:2 FTS	<0.43		1.9	0.43	ng/L		05/01/22 16:37	05/02/22 16:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:37	05/02/22 16:19	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:37	05/02/22 16:19	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:19	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:19	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C5 PFPeA	81		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 PFHxA	90		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C4 PFHpA	103		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C4 PFOA	95		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C5 PFNA	97		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 PFDA	93		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 PFUnA	91		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 PFDoA	86		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 PFTeDA	82		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C3 PFBS	81		25 - 150	05/01/22 16:37	05/02/22 16:19	1
18O2 PFHxS	85		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C4 PFOS	80		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C8 FOSA	83		10 - 150	05/01/22 16:37	05/02/22 16:19	1
d3-NMeFOSAA	86		25 - 150	05/01/22 16:37	05/02/22 16:19	1
d5-NEtFOSAA	85		25 - 150	05/01/22 16:37	05/02/22 16:19	1
d-N-MeFOSA-M	73		10 - 150	05/01/22 16:37	05/02/22 16:19	1
d-N-EtFOSA-M	75		10 - 150	05/01/22 16:37	05/02/22 16:19	1
d7-N-MeFOSE-M	72		10 - 150	05/01/22 16:37	05/02/22 16:19	1
d9-N-EtFOSE-M	68		10 - 150	05/01/22 16:37	05/02/22 16:19	1
M2-4:2 FTS	118		25 - 150	05/01/22 16:37	05/02/22 16:19	1
M2-6:2 FTS	114		25 - 150	05/01/22 16:37	05/02/22 16:19	1
M2-8:2 FTS	122		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C3 HFPO-DA	97		25 - 150	05/01/22 16:37	05/02/22 16:19	1
13C2 10:2 FTS	105		25 - 150	05/01/22 16:37	05/02/22 16:19	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-EB-202204

Lab Sample ID: 320-86779-47

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:37	05/02/22 16:29	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:37	05/02/22 16:29	1
NEtFOSA	<0.81		1.9	0.81	ng/L		05/01/22 16:37	05/02/22 16:29	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/01/22 16:37	05/02/22 16:29	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:37	05/02/22 16:29	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:37	05/02/22 16:29	1
NMeFOSE	<1.3		3.7	1.3	ng/L		05/01/22 16:37	05/02/22 16:29	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/02/22 16:29	1
4:2 FTS	<0.22		1.9	0.22	ng/L		05/01/22 16:37	05/02/22 16:29	1
6:2 FTS	<2.3		4.7	2.3	ng/L		05/01/22 16:37	05/02/22 16:29	1
8:2 FTS	<0.43		1.9	0.43	ng/L		05/01/22 16:37	05/02/22 16:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		05/01/22 16:37	05/02/22 16:29	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		05/01/22 16:37	05/02/22 16:29	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		05/01/22 16:37	05/02/22 16:29	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C5 PFPeA	82		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 PFHxA	85		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C4 PFHpA	98		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C4 PFOA	94		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C5 PFNA	92		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 PFDA	91		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 PFUnA	88		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 PFDoA	84		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 PFTeDA	75		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C3 PFBS	77		25 - 150	05/01/22 16:37	05/02/22 16:29	1
18O2 PFHxS	78		25 - 150	05/01/22 16:37	05/02/22 16:29	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-EB-202204

Lab Sample ID: 320-86779-47

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	77		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C8 FOSA	78		10 - 150	05/01/22 16:37	05/02/22 16:29	1
d3-NMeFOSAA	83		25 - 150	05/01/22 16:37	05/02/22 16:29	1
d5-NEtFOSAA	82		25 - 150	05/01/22 16:37	05/02/22 16:29	1
d-N-MeFOSA-M	65		10 - 150	05/01/22 16:37	05/02/22 16:29	1
d-N-EtFOSA-M	68		10 - 150	05/01/22 16:37	05/02/22 16:29	1
d7-N-MeFOSE-M	65		10 - 150	05/01/22 16:37	05/02/22 16:29	1
d9-N-EtFOSE-M	65		10 - 150	05/01/22 16:37	05/02/22 16:29	1
M2-4:2 FTS	108		25 - 150	05/01/22 16:37	05/02/22 16:29	1
M2-6:2 FTS	110		25 - 150	05/01/22 16:37	05/02/22 16:29	1
M2-8:2 FTS	115		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C3 HFPO-DA	91		25 - 150	05/01/22 16:37	05/02/22 16:29	1
13C2 10:2 FTS	98		25 - 150	05/01/22 16:37	05/02/22 16:29	1

Client Sample ID: MP-05-EB-202204

Lab Sample ID: 320-86779-48

Date Collected: 04/12/22 14:30

Matrix: Water

Date Received: 04/14/22 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/01/22 16:37	05/04/22 18:41	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/01/22 16:37	05/04/22 18:41	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/01/22 16:37	05/04/22 18:41	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/01/22 16:37	05/04/22 18:41	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:37	05/04/22 18:41	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:37	05/04/22 18:41	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:37	05/04/22 18:41	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/01/22 16:37	05/04/22 18:41	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/04/22 18:41	1
6:2 FTS	<2.3		4.7	2.3	ng/L		05/01/22 16:37	05/04/22 18:41	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-05-EB-202204

Lab Sample ID: 320-86779-48

Date Collected: 04/12/22 14:30

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.43		1.9	0.43	ng/L		05/01/22 16:37	05/04/22 18:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:37	05/04/22 18:41	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:37	05/04/22 18:41	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/04/22 18:41	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/04/22 18:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C5 PFPeA	89		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 PFHxA	93		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C4 PFHpA	97		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C4 PFOA	96		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C5 PFNA	97		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 PFDA	94		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 PFUnA	91		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 PFDoA	67		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 PFTeDA	81		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C3 PFBS	79		25 - 150				05/01/22 16:37	05/04/22 18:41	1
18O2 PFHxS	85		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C4 PFOS	80		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C8 FOSA	90		10 - 150				05/01/22 16:37	05/04/22 18:41	1
d3-NMeFOSAA	63		25 - 150				05/01/22 16:37	05/04/22 18:41	1
d5-NEtFOSAA	72		25 - 150				05/01/22 16:37	05/04/22 18:41	1
d-N-MeFOSA-M	70		10 - 150				05/01/22 16:37	05/04/22 18:41	1
d-N-EtFOSA-M	73		10 - 150				05/01/22 16:37	05/04/22 18:41	1
d7-N-MeFOSE-M	71		10 - 150				05/01/22 16:37	05/04/22 18:41	1
d9-N-EtFOSE-M	70		10 - 150				05/01/22 16:37	05/04/22 18:41	1
M2-4:2 FTS	101		25 - 150				05/01/22 16:37	05/04/22 18:41	1
M2-6:2 FTS	101		25 - 150				05/01/22 16:37	05/04/22 18:41	1
M2-8:2 FTS	140		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C3 HFPO-DA	94		25 - 150				05/01/22 16:37	05/04/22 18:41	1
13C2 10:2 FTS	94		25 - 150				05/01/22 16:37	05/04/22 18:41	1

Client Sample ID: MW-07-EB-202204

Lab Sample ID: 320-86779-49

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/04/22 18:51	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/01/22 16:37	05/04/22 18:51	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-07-EB-202204

Lab Sample ID: 320-86779-49

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		05/01/22 16:37	05/04/22 18:51	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		05/01/22 16:37	05/04/22 18:51	1
NEtFOSA	<0.83		1.9	0.83	ng/L		05/01/22 16:37	05/04/22 18:51	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/01/22 16:37	05/04/22 18:51	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/01/22 16:37	05/04/22 18:51	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/01/22 16:37	05/04/22 18:51	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/01/22 16:37	05/04/22 18:51	1
NEtFOSE	<0.81		1.9	0.81	ng/L		05/01/22 16:37	05/04/22 18:51	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/04/22 18:51	1
6:2 FTS	<2.4		4.7	2.4	ng/L		05/01/22 16:37	05/04/22 18:51	1
8:2 FTS	<0.44		1.9	0.44	ng/L		05/01/22 16:37	05/04/22 18:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/01/22 16:37	05/04/22 18:51	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/01/22 16:37	05/04/22 18:51	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/04/22 18:51	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/04/22 18:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C5 PFPeA	83		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 PFHxA	88		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C4 PFHpA	98		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C4 PFOA	94		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C5 PFNA	94		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 PFDA	91		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 PFUnA	93		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 PFDoA	72		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 PFTeDA	79		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C3 PFBS	79		25 - 150	05/01/22 16:37	05/04/22 18:51	1
18O2 PFHxS	83		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C4 PFOS	77		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C8 FOSA	81		10 - 150	05/01/22 16:37	05/04/22 18:51	1
d3-NMeFOSAA	69		25 - 150	05/01/22 16:37	05/04/22 18:51	1
d5-NEtFOSAA	69		25 - 150	05/01/22 16:37	05/04/22 18:51	1
d-N-MeFOSA-M	71		10 - 150	05/01/22 16:37	05/04/22 18:51	1
d-N-EtFOSA-M	72		10 - 150	05/01/22 16:37	05/04/22 18:51	1
d7-N-MeFOSE-M	67		10 - 150	05/01/22 16:37	05/04/22 18:51	1
d9-N-EtFOSE-M	64		10 - 150	05/01/22 16:37	05/04/22 18:51	1
M2-4:2 FTS	99		25 - 150	05/01/22 16:37	05/04/22 18:51	1
M2-6:2 FTS	106		25 - 150	05/01/22 16:37	05/04/22 18:51	1
M2-8:2 FTS	118		25 - 150	05/01/22 16:37	05/04/22 18:51	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-07-EB-202204

Lab Sample ID: 320-86779-49

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	96		25 - 150	05/01/22 16:37	05/04/22 18:51	1
13C2 10:2 FTS	98		25 - 150	05/01/22 16:37	05/04/22 18:51	1

Client Sample ID: FB-01-202204

Lab Sample ID: 320-86779-50

Date Collected: 04/12/22 10:55

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/02/22 16:59	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		05/01/22 16:37	05/02/22 16:59	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		05/01/22 16:37	05/02/22 16:59	1
NEtFOSA	<0.84		1.9	0.84	ng/L		05/01/22 16:37	05/02/22 16:59	1
NMeFOSA	<0.42		1.9	0.42	ng/L		05/01/22 16:37	05/02/22 16:59	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		05/01/22 16:37	05/02/22 16:59	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		05/01/22 16:37	05/02/22 16:59	1
NMeFOSE	<1.4		3.9	1.4	ng/L		05/01/22 16:37	05/02/22 16:59	1
NEtFOSE	<0.82		1.9	0.82	ng/L		05/01/22 16:37	05/02/22 16:59	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:59	1
6:2 FTS	<2.4		4.9	2.4	ng/L		05/01/22 16:37	05/02/22 16:59	1
8:2 FTS	<0.45		1.9	0.45	ng/L		05/01/22 16:37	05/02/22 16:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		05/01/22 16:37	05/02/22 16:59	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		05/01/22 16:37	05/02/22 16:59	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/01/22 16:37	05/02/22 16:59	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		05/01/22 16:37	05/02/22 16:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C5 PFPeA	82		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 PFHxA	92		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C4 PFHpA	101		25 - 150	05/01/22 16:37	05/02/22 16:59	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: FB-01-202204

Lab Sample ID: 320-86779-50

Date Collected: 04/12/22 10:55

Matrix: Water

Date Received: 04/14/22 10:45

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	94		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C5 PFNA	94		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 PFDA	92		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 PFUnA	91		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 PFDoA	88		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 PFTeDA	84		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C3 PFBS	80		25 - 150	05/01/22 16:37	05/02/22 16:59	1
18O2 PFHxS	85		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C4 PFOS	81		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C8 FOSA	84		10 - 150	05/01/22 16:37	05/02/22 16:59	1
d3-NMeFOSAA	87		25 - 150	05/01/22 16:37	05/02/22 16:59	1
d5-NEtFOSAA	86		25 - 150	05/01/22 16:37	05/02/22 16:59	1
d-N-MeFOSA-M	76		10 - 150	05/01/22 16:37	05/02/22 16:59	1
d-N-EtFOSA-M	77		10 - 150	05/01/22 16:37	05/02/22 16:59	1
d7-N-MeFOSE-M	72		10 - 150	05/01/22 16:37	05/02/22 16:59	1
d9-N-EtFOSE-M	68		10 - 150	05/01/22 16:37	05/02/22 16:59	1
M2-4:2 FTS	108		25 - 150	05/01/22 16:37	05/02/22 16:59	1
M2-6:2 FTS	111		25 - 150	05/01/22 16:37	05/02/22 16:59	1
M2-8:2 FTS	118		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C3 HFPO-DA	92		25 - 150	05/01/22 16:37	05/02/22 16:59	1
13C2 10:2 FTS	101		25 - 150	05/01/22 16:37	05/02/22 16:59	1

Client Sample ID: FB-02-202204

Lab Sample ID: 320-86779-51

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Method: 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		05/01/22 16:37	05/02/22 17:40	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.7	0.43	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.7	0.51	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorononanoic acid (PFNA)	<0.24		1.7	0.24	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.7	0.96	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.7	1.1	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.7	0.64	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.7	0.50	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.7	0.17	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.7	0.85	ng/L		05/01/22 16:37	05/02/22 17:40	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		05/01/22 16:37	05/02/22 17:40	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: FB-02-202204

Lab Sample ID: 320-86779-51

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.76		1.7	0.76	ng/L		05/01/22 16:37	05/02/22 17:40	1
NMeFOSA	<0.37		1.7	0.37	ng/L		05/01/22 16:37	05/02/22 17:40	1
NMeFOSAA	<1.0		4.4	1.0	ng/L		05/01/22 16:37	05/02/22 17:40	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		05/01/22 16:37	05/02/22 17:40	1
NMeFOSE	<1.2		3.5	1.2	ng/L		05/01/22 16:37	05/02/22 17:40	1
NEtFOSE	<0.74		1.7	0.74	ng/L		05/01/22 16:37	05/02/22 17:40	1
4:2 FTS	<0.21		1.7	0.21	ng/L		05/01/22 16:37	05/02/22 17:40	1
6:2 FTS	<2.2		4.4	2.2	ng/L		05/01/22 16:37	05/02/22 17:40	1
8:2 FTS	<0.40		1.7	0.40	ng/L		05/01/22 16:37	05/02/22 17:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		05/01/22 16:37	05/02/22 17:40	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		05/01/22 16:37	05/02/22 17:40	1
9CI-PF3ONS	<0.21		1.7	0.21	ng/L		05/01/22 16:37	05/02/22 17:40	1
11CI-PF3OUdS	<0.28		1.7	0.28	ng/L		05/01/22 16:37	05/02/22 17:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C5 PFPeA	88		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 PFHxA	91		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C4 PFHpA	103		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C4 PFOA	95		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C5 PFNA	96		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 PFDA	92		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 PFUnA	94		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 PFDoA	91		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 PFTeDA	85		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C3 PFBS	83		25 - 150				05/01/22 16:37	05/02/22 17:40	1
18O2 PFHxS	83		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C4 PFOS	81		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C8 FOSA	85		10 - 150				05/01/22 16:37	05/02/22 17:40	1
d3-NMeFOSAA	88		25 - 150				05/01/22 16:37	05/02/22 17:40	1
d5-NEtFOSAA	89		25 - 150				05/01/22 16:37	05/02/22 17:40	1
d-N-MeFOSA-M	74		10 - 150				05/01/22 16:37	05/02/22 17:40	1
d-N-EtFOSA-M	74		10 - 150				05/01/22 16:37	05/02/22 17:40	1
d7-N-MeFOSE-M	76		10 - 150				05/01/22 16:37	05/02/22 17:40	1
d9-N-EtFOSE-M	73		10 - 150				05/01/22 16:37	05/02/22 17:40	1
M2-4:2 FTS	115		25 - 150				05/01/22 16:37	05/02/22 17:40	1
M2-6:2 FTS	117		25 - 150				05/01/22 16:37	05/02/22 17:40	1
M2-8:2 FTS	117		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C3 HFPO-DA	94		25 - 150				05/01/22 16:37	05/02/22 17:40	1
13C2 10:2 FTS	100		25 - 150				05/01/22 16:37	05/02/22 17:40	1

Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-86779-1	MP-01-(051-088)-202204	108	103	104	120	96	122	111	110
320-86779-1 - DL	MP-01-(051-088)-202204		83	95	99	98			
320-86779-2	MP-01-(091-118)-202204	98	98	105	112	94	108	102	101
320-86779-2 - DL	MP-01-(091-118)-202204								
320-86779-3 - DL	MP-01-(121-152)-202204		91	95	108	100			
320-86779-3	MP-01-(121-152)-202204	156 *5+					165 *5+	155 *5+	160 *5+
320-86779-4 - DL	MP-01-(155-195)-202204		86	86	98	94			
320-86779-4	MP-01-(155-195)-202204	155 *5+					169 *5+	159 *5+	157 *5+
320-86779-5	MP-01-(198-220)-202204	100	95	99	108	97	106	100	108
320-86779-5 - DL	MP-01-(198-220)-202204								
320-86779-6	MP-01-(223-250)-202204	90	90	95	103	96	98	95	95
320-86779-7	MP-01-(253-274)-202204	96	99	103	111	99	105	97	103
320-86779-8	MP-01-(277-293)-202204	94	98	103	104	103	102	97	102
320-86779-9	MP-02-(153-195)-202204	90	90	88	95	94	95	90	86
320-86779-9 - DL	MP-02-(153-195)-202204								
320-86779-10	MP-02-(198-220)-202204	91	95	97	102	98	97	95	98
320-86779-10 - DL	MP-02-(198-220)-202204								
320-86779-11	MP-02-(223-250)-202204	95	95	98	106	101	105	98	100
320-86779-12	MP-02-(253-276)-202204	91	87	100	105	99	103	100	95
320-86779-13	MP-02-(279-300)-202204	88	86	91	99	96	95	94	92
320-86779-14	MP-03-(046-080)-202204	89	86	94	101	98	94	92	91
320-86779-15	MP-03-(083-117)-202204	87	85	92	97	96	94	91	89
320-86779-16	MP-03-(120-157)-202204	91	79	89	97	95	93	88	78
320-86779-17 - DL	MP-03-(160-187)-202204								
320-86779-17	MP-03-(160-187)-202204	83	81	91	93	92	88	84	80
320-86779-18	MP-03-(190-217)-202204	86	86	90	101	95	94	93	91
320-86779-19	MP-03-(220-242)-202204	86	82	91	95	93	90	91	89
320-86779-20	MP-03-(245-277)-202204	82	74	83	88	89	84	85	80
320-86779-21	MP-03-(280-300)-202204	81	79	82	94	88	90	83	84
320-86779-22	MP-04-(048-077)-202204	90	83	89	96	92	91	87	84
320-86779-23	MP-04-(080-112)-202204	95	90	95	105	96	99	94	92
320-86779-23 - DL	MP-04-(080-112)-202204								
320-86779-24	MP-04-(115-152)-202204	101			108	92	102	98	96
320-86779-24 - DL	MP-04-(115-152)-202204		91	88					
320-86779-25	MP-04-(155-192)-202204	90	90	95	104	99	100	91	92
320-86779-25 - DL	MP-04-(155-192)-202204								
320-86779-26	MP-04-(195-217)-202204	85	88	91	98	94	91	92	92
320-86779-27	MP-04-(220-242)-202204	90	92	96	108	101	101	97	100
320-86779-28	MP-04-(245-272)-202204	91	87	95	103	100	94	93	93
320-86779-29	MP-04-(275-291)-202204	85	87	91	102	93	92	86	90
320-86779-30	MP-05-(SWL-065)-202204	82	89	92	102	94	98	85	72
320-86779-31	MW-01-202204	90			108	99	99	98	92
320-86779-31 - DL	MW-01-202204		88	94					
320-86779-32	MW-03-202204	93	91	98	103	94	93	94	89
320-86779-33	MW-04-202204						124	112	114
320-86779-33 - DL	MW-04-202204	98	94	87	106	104			
320-86779-34	MW-05-202204	88	97	91	99	101	100	90	95
320-86779-35	MW-06-202204	93	94	100	104	100	100	96	95
320-86779-36	MW-07-202204	96	96	96	110	96	94	96	91

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-86779-37	PZ-01-202204	89	89	93	104	96	95	92	88
320-86779-38	DUP-01-202204	71	71	73	80	74	79	71	70
320-86779-39	DUP-02-202204	101			114	92	103	101	97
320-86779-39 - DL	DUP-02-202204		94	84					
320-86779-40	DUP-03-202204	93	89	96	101	96	96	94	92
320-86779-40 - DL	DUP-03-202204								
320-86779-41	DUP-04-202204	88	87	87	95	91	90	82	65
320-86779-41 - DL	DUP-04-202204								
320-86779-42	DUP-05-202204	92	89	99	108	96	99	98	98
320-86779-42 - DL	DUP-05-202204								
320-86779-43	DUP-06-202204	88	93	94	101	97	95	92	93
320-86779-44	MP-01-EB-202204	85	87	89	100	96	93	92	90
320-86779-45	MP-02-EB-202204	88	85	90	98	94	96	91	90
320-86779-46	MP-03-EB-202204	88	81	90	103	95	97	93	91
320-86779-47	MP-04-EB-202204	84	82	85	98	94	92	91	88
320-86779-48	MP-05-EB-202204	94	89	93	97	96	97	94	91
320-86779-49	MW-07-EB-202204	84	83	88	98	94	94	91	93
320-86779-50	FB-01-202204	87	82	92	101	94	94	92	91
320-86779-51	FB-02-202204	90	88	91	103	95	96	92	94
LCS 320-581584/2-A	Lab Control Sample	89	91	94	98	92	95	91	89
LCS 320-582100/2-A	Lab Control Sample	90	88	92	106	101	101	99	96
LCS 320-582245/2-A	Lab Control Sample	93	93	92	99	96	101	97	102
LCS 320-584415/2-A	Lab Control Sample	85	80	90	98	90	89	88	86
LCS 320-584421/2-A	Lab Control Sample	92	88	93	102	98	95	94	93
LCS 320-585718/2-A	Lab Control Sample	86	80	91	100	95	91	93	89
LCS 320-585718/2-A	Lab Control Sample	92	86	99	110	101	99	97	95
LCSD 320-582100/3-A	Lab Control Sample Dup	89	83	91	100	91	98	94	95
LCSD 320-582245/3-A	Lab Control Sample Dup	94	99	103	106	101	104	102	104
LCSD 320-584415/3-A	Lab Control Sample Dup	91	87	93	103	96	97	95	94
LCSD 320-584421/3-A	Lab Control Sample Dup	88	87	90	101	92	95	94	90
MB 320-581584/1-A	Method Blank	79	80	87	90	85	87	84	87
MB 320-582100/1-A	Method Blank	90	85	92	97	93	95	93	93
MB 320-582245/1-A	Method Blank	91	90	90	95	92	91	93	93
MB 320-584415/1-A	Method Blank	84	87	90	94	93	92	90	90
MB 320-584421/1-A	Method Blank	83	82	87	99	95	95	89	90
MB 320-585718/1-A	Method Blank	88	83	86	97	90	93	92	90

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-86779-1	MP-01-(051-088)-202204	107	93	107	109	102	106	111	113
320-86779-1 - DL	MP-01-(051-088)-202204								
320-86779-2	MP-01-(091-118)-202204	103	90	96	94	99	101	107	110
320-86779-2 - DL	MP-01-(091-118)-202204								
320-86779-3 - DL	MP-01-(121-152)-202204								
320-86779-3	MP-01-(121-152)-202204	145	158 *5+	147	150	142	145	150	159 *5+
320-86779-4 - DL	MP-01-(155-195)-202204								
320-86779-4	MP-01-(155-195)-202204	159 *5+	152 *5+	148	146	135	138	141	156 *5+
320-86779-5	MP-01-(198-220)-202204	95	101	91	95	94	96	101	133
320-86779-5 - DL	MP-01-(198-220)-202204								
320-86779-6	MP-01-(223-250)-202204	86	97	88	92	90	100	90	98

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFD _o A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-86779-7	MP-01-(253-274)-202204	101	100	94	97	94	99	109	111
320-86779-8	MP-01-(277-293)-202204	96	97	95	97	95	102	107	102
320-86779-9	MP-02-(153-195)-202204	77	78	93	91	82	89	86	87
320-86779-9 - DL	MP-02-(153-195)-202204								
320-86779-10	MP-02-(198-220)-202204	91	98	93	95	92	100	97	106
320-86779-10 - DL	MP-02-(198-220)-202204								
320-86779-11	MP-02-(223-250)-202204	91	103	95	95	93	102	99	105
320-86779-12	MP-02-(253-276)-202204	93	91	81	82	79	82	76	89
320-86779-13	MP-02-(279-300)-202204	89	90	78	80	79	79	74	95
320-86779-14	MP-03-(046-080)-202204	86	74	75	79	74	81	68	80
320-86779-15	MP-03-(083-117)-202204	83	82	73	78	73	78	76	86
320-86779-16	MP-03-(120-157)-202204	79	84	77	79	69	76	67	72
320-86779-17 - DL	MP-03-(160-187)-202204								
320-86779-17	MP-03-(160-187)-202204	76	76	75	77	68	73	70	71
320-86779-18	MP-03-(190-217)-202204	86	91	80	83	76	79	74	85
320-86779-19	MP-03-(220-242)-202204	87	85	74	77	76	78	75	86
320-86779-20	MP-03-(245-277)-202204	79	73	71	73	69	73	69	69
320-86779-21	MP-03-(280-300)-202204	75	81	70	71	68	73	68	75
320-86779-22	MP-04-(048-077)-202204	78	86	75	75	68	77	74	77
320-86779-23	MP-04-(080-112)-202204	84	80	85	88	83	86	84	90
320-86779-23 - DL	MP-04-(080-112)-202204								
320-86779-24	MP-04-(115-152)-202204	86	85	93	95	89	95	92	91
320-86779-24 - DL	MP-04-(115-152)-202204								
320-86779-25	MP-04-(155-192)-202204	75	80	86	91	84	93	76	88
320-86779-25 - DL	MP-04-(155-192)-202204								
320-86779-26	MP-04-(195-217)-202204	76	77	82	86	81	88	75	90
320-86779-27	MP-04-(220-242)-202204	67	89	84	83	86	111	73	90
320-86779-28	MP-04-(245-272)-202204	80	83	83	89	81	88	82	87
320-86779-29	MP-04-(275-291)-202204	68	73	82	84	77	87	66	87
320-86779-30	MP-05-(SWL-065)-202204	45	61	85	86	85	78	21 *5-	45
320-86779-31	MW-01-202204	88	89	88	87	82	89	86	86
320-86779-31 - DL	MW-01-202204								
320-86779-32	MW-03-202204	85	84	82	86	81	84	84	82
320-86779-33	MW-04-202204	106	102	107	111	107	105	109	109
320-86779-33 - DL	MW-04-202204								
320-86779-34	MW-05-202204	88	88	86	88	86	84	81	78
320-86779-35	MW-06-202204	92	83	88	87	85	87	88	86
320-86779-36	MW-07-202204	82	81	83	87	80	85	84	80
320-86779-37	PZ-01-202204	81	73	81	84	78	84	81	76
320-86779-38	DUP-01-202204	51	48	67	69	69	73	43	60
320-86779-39	DUP-02-202204	88	89	93	99	90	93	92	93
320-86779-39 - DL	DUP-02-202204								
320-86779-40	DUP-03-202204	85	86	82	89	77	86	86	89
320-86779-40 - DL	DUP-03-202204								
320-86779-41	DUP-04-202204	51	48	77	80	73	74	63	57
320-86779-41 - DL	DUP-04-202204								
320-86779-42	DUP-05-202204	90	82	83	87	86	88	91	110
320-86779-42 - DL	DUP-05-202204								
320-86779-43	DUP-06-202204	87	81	87	90	86	87	87	86
320-86779-44	MP-01-EB-202204	84	85	83	88	82	86	87	91

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-86779-45	MP-02-EB-202204	80	77	79	83	77	78	82	80
320-86779-46	MP-03-EB-202204	86	82	81	85	80	83	86	85
320-86779-47	MP-04-EB-202204	84	75	77	78	77	78	83	82
320-86779-48	MP-05-EB-202204	67	81	79	85	80	90	63	72
320-86779-49	MW-07-EB-202204	72	79	79	83	77	81	69	69
320-86779-50	FB-01-202204	88	84	80	85	81	84	87	86
320-86779-51	FB-02-202204	91	85	83	83	81	85	88	89
LCS 320-581584/2-A	Lab Control Sample	87	86	84	91	83	83	90	87
LCS 320-582100/2-A	Lab Control Sample	94	96	89	89	88	84	95	99
LCS 320-582245/2-A	Lab Control Sample	99	93	95	94	89	89	100	98
LCS 320-584415/2-A	Lab Control Sample	82	80	76	83	77	77	81	79
LCS 320-584421/2-A	Lab Control Sample	89	84	80	85	82	78	78	72
LCS 320-585718/2-A	Lab Control Sample	87	83	76	80	74	74	68	80
LCS 320-585718/2-A	Lab Control Sample	96	97	86	92	88	83	89	88
LCSD 320-582100/3-A	Lab Control Sample Dup	89	90	84	88	85	85	92	95
LCSD 320-582245/3-A	Lab Control Sample Dup	100	98	101	95	96	91	100	91
LCSD 320-584415/3-A	Lab Control Sample Dup	90	81	81	85	81	82	91	90
LCSD 320-584421/3-A	Lab Control Sample Dup	83	79	79	88	82	81	89	79
MB 320-581584/1-A	Method Blank	81	77	76	76	75	75	80	82
MB 320-582100/1-A	Method Blank	90	85	84	84	83	83	91	99
MB 320-582245/1-A	Method Blank	89	89	89	91	89	89	93	97
MB 320-584415/1-A	Method Blank	82	78	77	80	77	78	86	83
MB 320-584421/1-A	Method Blank	87	84	76	79	80	83	85	86
MB 320-585718/1-A	Method Blank	92	87	74	78	76	78	69	78

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-86779-1	MP-01-(051-088)-202204	97	100	92	93	128	93	120	119
320-86779-1 - DL	MP-01-(051-088)-202204						193 *5+	117	
320-86779-2	MP-01-(091-118)-202204	95	91	79	81	118	82	122	106
320-86779-2 - DL	MP-01-(091-118)-202204						100		
320-86779-3 - DL	MP-01-(121-152)-202204						206 *5+	93	
320-86779-3	MP-01-(121-152)-202204	131	136	141	134	158 *5+			175 *5+
320-86779-4 - DL	MP-01-(155-195)-202204						220 *5+	99	
320-86779-4	MP-01-(155-195)-202204	129	132	138	138	162 *5+			176 *5+
320-86779-5	MP-01-(198-220)-202204	90	89	87	85	115	86	121	103
320-86779-5 - DL	MP-01-(198-220)-202204						111		
320-86779-6	MP-01-(223-250)-202204	82	85	78	83	112	115	137	100
320-86779-7	MP-01-(253-274)-202204	83	82	89	84	113	123	113	106
320-86779-8	MP-01-(277-293)-202204	94	92	78	76	126	114	120	101
320-86779-9	MP-02-(153-195)-202204	61	60	69	67	106		105	94
320-86779-9 - DL	MP-02-(153-195)-202204						107		
320-86779-10	MP-02-(198-220)-202204	83	84	79	82	117		124	99
320-86779-10 - DL	MP-02-(198-220)-202204						108		
320-86779-11	MP-02-(223-250)-202204	82	90	87	87	123	121	132	100
320-86779-12	MP-02-(253-276)-202204	79	80	80	72	114	112	122	101
320-86779-13	MP-02-(279-300)-202204	75	76	70	68	111	107	107	98
320-86779-14	MP-03-(046-080)-202204	77	76	69	63	114	111	123	94
320-86779-15	MP-03-(083-117)-202204	70	70	73	67	114	104	107	94
320-86779-16	MP-03-(120-157)-202204	67	68	68	65	109	108	102	96

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-86779-17 - DL	MP-03-(160-187)-202204						107		
320-86779-17	MP-03-(160-187)-202204	67	65	61	59	102		90	91
320-86779-18	MP-03-(190-217)-202204	76	76	72	71	109	104	107	96
320-86779-19	MP-03-(220-242)-202204	72	71	70	66	107	100	99	90
320-86779-20	MP-03-(245-277)-202204	66	65	66	61	105	98	95	88
320-86779-21	MP-03-(280-300)-202204	65	66	66	58	94	99	106	89
320-86779-22	MP-04-(048-077)-202204	66	66	70	67	105	95	98	89
320-86779-23	MP-04-(080-112)-202204	77	79	69	64	117		119	95
320-86779-23 - DL	MP-04-(080-112)-202204						115		
320-86779-24	MP-04-(115-152)-202204	80	81	72	71	116		125	103
320-86779-24 - DL	MP-04-(115-152)-202204						130		
320-86779-25	MP-04-(155-192)-202204	78	79	72	66	118		136	96
320-86779-25 - DL	MP-04-(155-192)-202204						113		
320-86779-26	MP-04-(195-217)-202204	72	72	68	64	115	106	134	93
320-86779-27	MP-04-(220-242)-202204	82	88	76	75	113	109	148	100
320-86779-28	MP-04-(245-272)-202204	74	78	72	66	117	115	129	97
320-86779-29	MP-04-(275-291)-202204	69	72	63	60	119	117	136	90
320-86779-30	MP-05-(SWL-065)-202204	24	62	24	53	115	139	140	96
320-86779-31	MW-01-202204	78	83	79	71	106		114	103
320-86779-31 - DL	MW-01-202204						112		
320-86779-32	MW-03-202204	74	76	71	66	111	112	108	94
320-86779-33	MW-04-202204	92	93	86	83	111			123
320-86779-33 - DL	MW-04-202204						285 *5+	182 *5+	
320-86779-34	MW-05-202204	74	76	74	74	111	106	104	100
320-86779-35	MW-06-202204	77	79	75	69	118	116	118	103
320-86779-36	MW-07-202204	71	72	71	67	114	107	113	97
320-86779-37	PZ-01-202204	75	76	70	66	114	115	106	92
320-86779-38	DUP-01-202204	44	55	46	50	86	94	112	70
320-86779-39	DUP-02-202204	79	83	78	72	124		126	106
320-86779-39 - DL	DUP-02-202204						132		
320-86779-40	DUP-03-202204	79	80	72	64	111		111	96
320-86779-40 - DL	DUP-03-202204						109		
320-86779-41	DUP-04-202204	48	48	44	40	105		94	89
320-86779-41 - DL	DUP-04-202204						109		
320-86779-42	DUP-05-202204	71	70	74	70	119		112	98
320-86779-42 - DL	DUP-05-202204						114		
320-86779-43	DUP-06-202204	72	75	71	68	121	108	106	92
320-86779-44	MP-01-EB-202204	73	76	70	68	109	113	119	92
320-86779-45	MP-02-EB-202204	71	76	69	63	107	109	107	93
320-86779-46	MP-03-EB-202204	73	75	72	68	118	114	122	97
320-86779-47	MP-04-EB-202204	65	68	65	65	108	110	115	91
320-86779-48	MP-05-EB-202204	70	73	71	70	101	101	140	94
320-86779-49	MW-07-EB-202204	71	72	67	64	99	106	118	96
320-86779-50	FB-01-202204	76	77	72	68	108	111	118	92
320-86779-51	FB-02-202204	74	74	76	73	115	117	117	94
LCS 320-581584/2-A	Lab Control Sample	73	74	74	74	97	99	92	90
LCS 320-582100/2-A	Lab Control Sample	72	72	78	77	106	108	102	94
LCS 320-582245/2-A	Lab Control Sample	70	74	78	75	114	115	103	97
LCS 320-584415/2-A	Lab Control Sample	65	68	71	65	112	99	104	94
LCS 320-584421/2-A	Lab Control Sample	72	75	76	69	99	91	89	95

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
LCS 320-585718/2-A	Lab Control Sample	69	71	72	67	103	108	108	94
LCS 320-585718/2-A	Lab Control Sample	81	82	81	75	121	123	108	102
LCSD 320-582100/3-A	Lab Control Sample Dup	78	80	78	75	97	102	99	91
LCSD 320-582245/3-A	Lab Control Sample Dup	62	64	81	77	112	108	108	103
LCSD 320-584415/3-A	Lab Control Sample Dup	67	68	72	71	110	118	109	98
LCSD 320-584421/3-A	Lab Control Sample Dup	70	72	67	66	119	112	103	92
MB 320-581584/1-A	Method Blank	66	68	68	68	91	92	85	82
MB 320-582100/1-A	Method Blank	68	71	73	78	104	104	111	95
MB 320-582245/1-A	Method Blank	68	71	76	77	109	107	104	90
MB 320-584415/1-A	Method Blank	66	67	69	65	103	110	102	89
MB 320-584421/1-A	Method Blank	71	75	73	69	107	103	105	94
MB 320-585718/1-A	Method Blank	74	75	74	68	109	106	107	93

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M102FTS (25-150)							
320-86779-1	MP-01-(051-088)-202204	125							
320-86779-1 - DL	MP-01-(051-088)-202204								
320-86779-2	MP-01-(091-118)-202204	122							
320-86779-2 - DL	MP-01-(091-118)-202204								
320-86779-3 - DL	MP-01-(121-152)-202204								
320-86779-3	MP-01-(121-152)-202204	196 *5+							
320-86779-4 - DL	MP-01-(155-195)-202204								
320-86779-4	MP-01-(155-195)-202204	181 *5+							
320-86779-5	MP-01-(198-220)-202204	128							
320-86779-5 - DL	MP-01-(198-220)-202204								
320-86779-6	MP-01-(223-250)-202204	123							
320-86779-7	MP-01-(253-274)-202204	122							
320-86779-8	MP-01-(277-293)-202204	130							
320-86779-9	MP-02-(153-195)-202204	105							
320-86779-9 - DL	MP-02-(153-195)-202204								
320-86779-10	MP-02-(198-220)-202204	127							
320-86779-10 - DL	MP-02-(198-220)-202204								
320-86779-11	MP-02-(223-250)-202204	126							
320-86779-12	MP-02-(253-276)-202204	115							
320-86779-13	MP-02-(279-300)-202204	115							
320-86779-14	MP-03-(046-080)-202204	110							
320-86779-15	MP-03-(083-117)-202204	107							
320-86779-16	MP-03-(120-157)-202204	99							
320-86779-17 - DL	MP-03-(160-187)-202204								
320-86779-17	MP-03-(160-187)-202204	84							
320-86779-18	MP-03-(190-217)-202204	111							
320-86779-19	MP-03-(220-242)-202204	105							
320-86779-20	MP-03-(245-277)-202204	99							
320-86779-21	MP-03-(280-300)-202204	95							
320-86779-22	MP-04-(048-077)-202204	96							
320-86779-23	MP-04-(080-112)-202204	103							
320-86779-23 - DL	MP-04-(080-112)-202204								
320-86779-24	MP-04-(115-152)-202204	107							
320-86779-24 - DL	MP-04-(115-152)-202204								
320-86779-25	MP-04-(155-192)-202204	104							

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	M102FTS (25-150)	Percent Isotope Dilution Recovery (Acceptance Limits)			
320-86779-25 - DL	MP-04-(155-192)-202204					
320-86779-26	MP-04-(195-217)-202204	105				
320-86779-27	MP-04-(220-242)-202204	101				
320-86779-28	MP-04-(245-272)-202204	110				
320-86779-29	MP-04-(275-291)-202204	98				
320-86779-30	MP-05-(SWL-065)-202204	76				
320-86779-31	MW-01-202204	106				
320-86779-31 - DL	MW-01-202204					
320-86779-32	MW-03-202204	96				
320-86779-33	MW-04-202204	125				
320-86779-33 - DL	MW-04-202204					
320-86779-34	MW-05-202204	94				
320-86779-35	MW-06-202204	103				
320-86779-36	MW-07-202204	92				
320-86779-37	PZ-01-202204	93				
320-86779-38	DUP-01-202204	73				
320-86779-39	DUP-02-202204	106				
320-86779-39 - DL	DUP-02-202204					
320-86779-40	DUP-03-202204	102				
320-86779-40 - DL	DUP-03-202204					
320-86779-41	DUP-04-202204	54				
320-86779-41 - DL	DUP-04-202204					
320-86779-42	DUP-05-202204	107				
320-86779-42 - DL	DUP-05-202204					
320-86779-43	DUP-06-202204	99				
320-86779-44	MP-01-EB-202204	109				
320-86779-45	MP-02-EB-202204	98				
320-86779-46	MP-03-EB-202204	105				
320-86779-47	MP-04-EB-202204	98				
320-86779-48	MP-05-EB-202204	94				
320-86779-49	MW-07-EB-202204	98				
320-86779-50	FB-01-202204	101				
320-86779-51	FB-02-202204	100				
LCS 320-581584/2-A	Lab Control Sample	98				
LCS 320-582100/2-A	Lab Control Sample	107				
LCS 320-582245/2-A	Lab Control Sample	110				
LCS 320-584415/2-A	Lab Control Sample	87				
LCS 320-584421/2-A	Lab Control Sample	87				
LCS 320-585718/2-A	Lab Control Sample	115				
LCS 320-585718/2-A	Lab Control Sample	103				
LCSD 320-582100/3-A	Lab Control Sample Dup	106				
LCSD 320-582245/3-A	Lab Control Sample Dup	110				
LCSD 320-584415/3-A	Lab Control Sample Dup	93				
LCSD 320-584421/3-A	Lab Control Sample Dup	97				
MB 320-581584/1-A	Method Blank	87				
MB 320-582100/1-A	Method Blank	106				
MB 320-582245/1-A	Method Blank	105				
MB 320-584415/1-A	Method Blank	93				
MB 320-584421/1-A	Method Blank	89				
MB 320-585718/1-A	Method Blank	119				

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Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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
M102FTS = 13C2 10:2 FTS

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-581584/1-A
Matrix: Water
Analysis Batch: 582266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581584

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		04/20/22 12:00	04/22/22 12:54	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		04/20/22 12:00	04/22/22 12:54	1
NEtFOSA	<0.87		2.0	0.87	ng/L		04/20/22 12:00	04/22/22 12:54	1
NMeFOSA	<0.43		2.0	0.43	ng/L		04/20/22 12:00	04/22/22 12:54	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/20/22 12:00	04/22/22 12:54	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/20/22 12:00	04/22/22 12:54	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/20/22 12:00	04/22/22 12:54	1
NEtFOSE	<0.85		2.0	0.85	ng/L		04/20/22 12:00	04/22/22 12:54	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/20/22 12:00	04/22/22 12:54	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/20/22 12:00	04/22/22 12:54	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/20/22 12:00	04/22/22 12:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/20/22 12:00	04/22/22 12:54	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/20/22 12:00	04/22/22 12:54	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/20/22 12:00	04/22/22 12:54	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/20/22 12:00	04/22/22 12:54	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	79		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C5 PFPeA	80		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 PFHxA	87		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C4 PFHpA	90		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C4 PFOA	85		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C5 PFNA	87		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 PFDA	84		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 PFUnA	87		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 PFDoA	81		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 PFTeDA	77		25 - 150	04/20/22 12:00	04/22/22 12:54	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-581584/1-A
Matrix: Water
Analysis Batch: 582266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 581584

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	76		25 - 150	04/20/22 12:00	04/22/22 12:54	1
18O2 PFHxS	76		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C4 PFOS	75		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C8 FOSA	75		10 - 150	04/20/22 12:00	04/22/22 12:54	1
d3-NMeFOSAA	80		25 - 150	04/20/22 12:00	04/22/22 12:54	1
d5-NEtFOSAA	82		25 - 150	04/20/22 12:00	04/22/22 12:54	1
d-N-MeFOSA-M	66		10 - 150	04/20/22 12:00	04/22/22 12:54	1
d-N-EtFOSA-M	68		10 - 150	04/20/22 12:00	04/22/22 12:54	1
d7-N-MeFOSE-M	68		10 - 150	04/20/22 12:00	04/22/22 12:54	1
d9-N-EtFOSE-M	68		10 - 150	04/20/22 12:00	04/22/22 12:54	1
M2-4:2 FTS	91		25 - 150	04/20/22 12:00	04/22/22 12:54	1
M2-6:2 FTS	92		25 - 150	04/20/22 12:00	04/22/22 12:54	1
M2-8:2 FTS	85		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C3 HFPO-DA	82		25 - 150	04/20/22 12:00	04/22/22 12:54	1
13C2 10:2 FTS	87		25 - 150	04/20/22 12:00	04/22/22 12:54	1

Lab Sample ID: LCS 320-581584/2-A
Matrix: Water
Analysis Batch: 582266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581584

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	39.9		ng/L		100	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.1		ng/L		100	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.7		ng/L		97	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.0		ng/L		100	60 - 135
Perfluorononanoic acid (PFNA)	40.0	41.4		ng/L		103	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.2		ng/L		101	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	41.5		ng/L		104	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.8		ng/L		102	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.5		ng/L		99	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	37.5		ng/L		94	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.8		ng/L		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.8		ng/L		106	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.3		ng/L		94	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.4		ng/L		109	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	41.3		ng/L		111	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	41.0		ng/L		107	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.9		ng/L		109	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	37.9		ng/L		98	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-581584/2-A
Matrix: Water
Analysis Batch: 582266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 581584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	41.4		ng/L		103	60 - 135
NEtFOSA	40.0	39.7		ng/L		99	60 - 135
NMeFOSA	40.0	43.0		ng/L		107	60 - 135
NMeFOSAA	40.0	38.0		ng/L		95	60 - 135
NEtFOSAA	40.0	40.6		ng/L		102	60 - 135
NMeFOSE	40.0	42.0		ng/L		105	60 - 135
NEtFOSE	40.0	43.5		ng/L		109	60 - 135
4:2 FTS	37.4	41.5		ng/L		111	60 - 135
6:2 FTS	37.9	39.6		ng/L		105	60 - 135
8:2 FTS	38.3	41.8		ng/L		109	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	47.7		ng/L		127	60 - 135
HFPO-DA (GenX)	40.0	41.6		ng/L		104	60 - 135
9Cl-PF3ONS	37.3	41.9		ng/L		112	60 - 135
11Cl-PF3OUdS	37.7	40.1		ng/L		106	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	89		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	87		25 - 150
13C2 PFTeDA	86		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	83		25 - 150
13C8 FOSA	83		10 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	87		25 - 150
d-N-MeFOSA-M	73		10 - 150
d-N-EtFOSA-M	74		10 - 150
d7-N-MeFOSE-M	74		10 - 150
d9-N-EtFOSE-M	74		10 - 150
M2-4:2 FTS	97		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	92		25 - 150
13C3 HFPO-DA	90		25 - 150
13C2 10:2 FTS	98		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-582100/1-A
Matrix: Water
Analysis Batch: 582573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 582100

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		04/22/22 05:52	04/24/22 22:13	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		04/22/22 05:52	04/24/22 22:13	1
NEtFOSA	<0.87		2.0	0.87	ng/L		04/22/22 05:52	04/24/22 22:13	1
NMeFOSA	<0.43		2.0	0.43	ng/L		04/22/22 05:52	04/24/22 22:13	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/22/22 05:52	04/24/22 22:13	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/22/22 05:52	04/24/22 22:13	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/22/22 05:52	04/24/22 22:13	1
NEtFOSE	<0.85		2.0	0.85	ng/L		04/22/22 05:52	04/24/22 22:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/22/22 05:52	04/24/22 22:13	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/22/22 05:52	04/24/22 22:13	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/22/22 05:52	04/24/22 22:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/22/22 05:52	04/24/22 22:13	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/22/22 05:52	04/24/22 22:13	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/22/22 05:52	04/24/22 22:13	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/22/22 05:52	04/24/22 22:13	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	90		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C5 PFPeA	85		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 PFHxA	92		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C4 PFHpA	97		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C4 PFOA	93		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C5 PFNA	95		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 PFDA	93		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 PFUnA	93		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 PFDoA	90		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 PFTeDA	85		25 - 150	04/22/22 05:52	04/24/22 22:13	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-582100/1-A
Matrix: Water
Analysis Batch: 582573

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 582100

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	84		25 - 150	04/22/22 05:52	04/24/22 22:13	1
18O2 PFHxS	84		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C4 PFOS	83		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C8 FOSA	83		10 - 150	04/22/22 05:52	04/24/22 22:13	1
d3-NMeFOSAA	91		25 - 150	04/22/22 05:52	04/24/22 22:13	1
d5-NEtFOSAA	99		25 - 150	04/22/22 05:52	04/24/22 22:13	1
d-N-MeFOSA-M	68		10 - 150	04/22/22 05:52	04/24/22 22:13	1
d-N-EtFOSA-M	71		10 - 150	04/22/22 05:52	04/24/22 22:13	1
d7-N-MeFOSE-M	73		10 - 150	04/22/22 05:52	04/24/22 22:13	1
d9-N-EtFOSE-M	78		10 - 150	04/22/22 05:52	04/24/22 22:13	1
M2-4:2 FTS	104		25 - 150	04/22/22 05:52	04/24/22 22:13	1
M2-6:2 FTS	104		25 - 150	04/22/22 05:52	04/24/22 22:13	1
M2-8:2 FTS	111		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C3 HFPO-DA	95		25 - 150	04/22/22 05:52	04/24/22 22:13	1
13C2 10:2 FTS	106		25 - 150	04/22/22 05:52	04/24/22 22:13	1

Lab Sample ID: LCS 320-582100/2-A
Matrix: Water
Analysis Batch: 582573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 582100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	41.4		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	42.8		ng/L		107	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.1		ng/L		100	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.4		ng/L		96	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.3		ng/L		101	60 - 135
Perfluorononanoic acid (PFNA)	40.0	41.9		ng/L		105	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.6		ng/L		101	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.1		ng/L		108	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.6		ng/L		104	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.9		ng/L		102	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.7		ng/L		104	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.4		ng/L		100	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.3		ng/L		105	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.4		ng/L		103	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.9		ng/L		110	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.4		ng/L		109	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	41.5		ng/L		108	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.5		ng/L		102	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.3		ng/L		101	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-582100/2-A
Matrix: Water
Analysis Batch: 582573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 582100

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	43.7		ng/L		109	60 - 135
NEtFOSA	40.0	41.6		ng/L		104	60 - 135
NMeFOSA	40.0	43.6		ng/L		109	60 - 135
NMeFOSAA	40.0	39.7		ng/L		99	60 - 135
NEtFOSAA	40.0	41.1		ng/L		103	60 - 135
NMeFOSE	40.0	40.0		ng/L		100	60 - 135
NEtFOSE	40.0	41.2		ng/L		103	60 - 135
4:2 FTS	37.4	40.9		ng/L		109	60 - 135
6:2 FTS	37.9	41.2		ng/L		109	60 - 135
8:2 FTS	38.3	39.2		ng/L		102	60 - 135
4,8-Dioxa-3H-perfluoronanoic acid (ADONA)	37.7	45.7		ng/L		121	60 - 135
HFPO-DA (GenX)	40.0	43.6		ng/L		109	60 - 135
9Cl-PF3ONS	37.3	40.5		ng/L		109	60 - 135
11Cl-PF3OUdS	37.7	41.1		ng/L		109	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	90		25 - 150
13C5 PFPeA	88		25 - 150
13C2 PFHxA	92		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	96		25 - 150
13C2 PFDoA	94		25 - 150
13C2 PFTeDA	96		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	88		25 - 150
13C8 FOSA	84		10 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	99		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	72		10 - 150
d7-N-MeFOSE-M	78		10 - 150
d9-N-EtFOSE-M	77		10 - 150
M2-4:2 FTS	106		25 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	102		25 - 150
13C3 HFPO-DA	94		25 - 150
13C2 10:2 FTS	107		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-582100/3-A

Matrix: Water

Analysis Batch: 582573

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 582100

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	40.1		ng/L		100	60 - 135	3	30	
Perfluoropentanoic acid (PFPeA)	40.0	42.9		ng/L		107	60 - 135	0	30	
Perfluorohexanoic acid (PFHxA)	40.0	38.3		ng/L		96	60 - 135	4	30	
Perfluoroheptanoic acid (PFHpA)	40.0	40.7		ng/L		102	60 - 135	6	30	
Perfluorooctanoic acid (PFOA)	40.0	40.8		ng/L		102	60 - 135	1	30	
Perfluorononanoic acid (PFNA)	40.0	40.2		ng/L		101	60 - 135	4	30	
Perfluorodecanoic acid (PFDA)	40.0	38.7		ng/L		97	60 - 135	5	30	
Perfluoroundecanoic acid (PFUnA)	40.0	38.8		ng/L		97	60 - 135	10	30	
Perfluorododecanoic acid (PFDoA)	40.0	43.1		ng/L		108	60 - 135	3	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	41.8		ng/L		104	60 - 135	2	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	60 - 135	2	30	
Perfluorobutanesulfonic acid (PFBS)	35.4	35.0		ng/L		99	60 - 135	1	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.9		ng/L		104	60 - 135	1	30	
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.8		ng/L		98	60 - 135	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.1	39.7		ng/L		104	60 - 135	5	30	
Perfluorooctanesulfonic acid (PFOS)	37.1	39.3		ng/L		106	60 - 135	3	30	
Perfluorononanesulfonic acid (PFNS)	38.4	38.8		ng/L		101	60 - 135	7	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	39.8		ng/L		103	60 - 135	1	30	
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.6		ng/L		100	60 - 135	2	30	
Perfluorooctanesulfonamide (FOSA)	40.0	43.5		ng/L		109	60 - 135	0	30	
NEtFOSA	40.0	38.1		ng/L		95	60 - 135	9	30	
NMeFOSA	40.0	42.4		ng/L		106	60 - 135	3	30	
NMeFOSAA	40.0	41.0		ng/L		102	60 - 135	3	30	
NEtFOSAA	40.0	39.5		ng/L		99	60 - 135	4	30	
NMeFOSE	40.0	40.6		ng/L		102	60 - 135	2	30	
NEtFOSE	40.0	43.1		ng/L		108	60 - 135	5	30	
4:2 FTS	37.4	41.2		ng/L		110	60 - 135	1	30	
6:2 FTS	37.9	42.7		ng/L		113	60 - 135	4	30	
8:2 FTS	38.3	39.4		ng/L		103	60 - 135	1	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	47.1		ng/L		125	60 - 135	3	30	
HFPO-DA (GenX)	40.0	41.0		ng/L		102	60 - 135	6	30	
9CI-PF3ONS	37.3	41.4		ng/L		111	60 - 135	2	30	
11CI-PF3OUdS	37.7	38.8		ng/L		103	60 - 135	6	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	89		25 - 150
13C5 PFPeA	83		25 - 150
13C2 PFHxA	91		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-582100/3-A
Matrix: Water
Analysis Batch: 582573

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 582100

<i>Isotope Dilution</i>	<i>LCSD</i>	<i>LCSD</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFHpA	100		25 - 150
13C4 PFOA	91		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDaA	89		25 - 150
13C2 PFTeDA	90		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	85		10 - 150
d3-NMeFOSAA	92		25 - 150
d5-NEtFOSAA	95		25 - 150
d-N-MeFOSA-M	78		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	78		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	97		25 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	99		25 - 150
13C3 HFPO-DA	91		25 - 150
13C2 10:2 FTS	106		25 - 150

Lab Sample ID: MB 320-582245/1-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 582245

<i>Analyte</i>	<i>MB</i>	<i>MB</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Result</i>	<i>Qualifier</i>							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L	D	04/22/22 12:37	04/24/22 00:34	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorododecanoic acid (PFDaA)	<0.55		2.0	0.55	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		04/22/22 12:37	04/24/22 00:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		04/22/22 12:37	04/24/22 00:34	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-582245/1-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 582245

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		04/22/22 12:37	04/24/22 00:34	1
NEtFOSA	<0.87		2.0	0.87	ng/L		04/22/22 12:37	04/24/22 00:34	1
NMeFOSA	<0.43		2.0	0.43	ng/L		04/22/22 12:37	04/24/22 00:34	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		04/22/22 12:37	04/24/22 00:34	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		04/22/22 12:37	04/24/22 00:34	1
NMeFOSE	<1.4		4.0	1.4	ng/L		04/22/22 12:37	04/24/22 00:34	1
NEtFOSE	<0.85		2.0	0.85	ng/L		04/22/22 12:37	04/24/22 00:34	1
4:2 FTS	<0.24		2.0	0.24	ng/L		04/22/22 12:37	04/24/22 00:34	1
6:2 FTS	<2.5		5.0	2.5	ng/L		04/22/22 12:37	04/24/22 00:34	1
8:2 FTS	<0.46		2.0	0.46	ng/L		04/22/22 12:37	04/24/22 00:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		04/22/22 12:37	04/24/22 00:34	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		04/22/22 12:37	04/24/22 00:34	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		04/22/22 12:37	04/24/22 00:34	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		04/22/22 12:37	04/24/22 00:34	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	91		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C5 PFPeA	90		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 PFHxA	90		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C4 PFHpA	95		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C4 PFOA	92		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C5 PFNA	91		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 PFDA	93		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 PFUnA	93		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 PFDoA	89		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 PFTeDA	89		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C3 PFBS	89		25 - 150	04/22/22 12:37	04/24/22 00:34	1
18O2 PFHxS	91		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C4 PFOS	89		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C8 FOSA	89		10 - 150	04/22/22 12:37	04/24/22 00:34	1
d3-NMeFOSAA	93		25 - 150	04/22/22 12:37	04/24/22 00:34	1
d5-NEtFOSAA	97		25 - 150	04/22/22 12:37	04/24/22 00:34	1
d-N-MeFOSA-M	68		10 - 150	04/22/22 12:37	04/24/22 00:34	1
d-N-EtFOSA-M	71		10 - 150	04/22/22 12:37	04/24/22 00:34	1
d7-N-MeFOSE-M	76		10 - 150	04/22/22 12:37	04/24/22 00:34	1
d9-N-EtFOSE-M	77		10 - 150	04/22/22 12:37	04/24/22 00:34	1
M2-4:2 FTS	109		25 - 150	04/22/22 12:37	04/24/22 00:34	1
M2-6:2 FTS	107		25 - 150	04/22/22 12:37	04/24/22 00:34	1
M2-8:2 FTS	104		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C3 HFPO-DA	90		25 - 150	04/22/22 12:37	04/24/22 00:34	1
13C2 10:2 FTS	105		25 - 150	04/22/22 12:37	04/24/22 00:34	1

Lab Sample ID: LCS 320-582245/2-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 582245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	42.5		ng/L		106	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-582245/2-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 582245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	40.0	42.6		ng/L		106	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.6		ng/L		107	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	41.3		ng/L		103	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	44.4		ng/L		111	60 - 135
Perfluorononanoic acid (PFNA)	40.0	41.9		ng/L		105	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.0		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	41.8		ng/L		105	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.2		ng/L		103	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.1		ng/L		98	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.8		ng/L		104	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.9		ng/L		102	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.5		ng/L		103	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.7		ng/L		104	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	40.3		ng/L		106	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	42.9		ng/L		116	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	43.1		ng/L		112	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	43.8		ng/L		114	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.8		ng/L		103	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	42.5		ng/L		106	60 - 135
NEtFOSA	40.0	42.2		ng/L		106	60 - 135
NMeFOSA	40.0	45.7		ng/L		114	60 - 135
NMeFOSAA	40.0	40.4		ng/L		101	60 - 135
NEtFOSAA	40.0	42.3		ng/L		106	60 - 135
NMeFOSE	40.0	42.1		ng/L		105	60 - 135
NEtFOSE	40.0	44.7		ng/L		112	60 - 135
4:2 FTS	37.4	38.7		ng/L		104	60 - 135
6:2 FTS	37.9	40.5		ng/L		107	60 - 135
8:2 FTS	38.3	42.0		ng/L		110	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	46.6		ng/L		124	60 - 135
HFPO-DA (GenX)	40.0	40.6		ng/L		102	60 - 135
9Cl-PF3ONS	37.3	42.3		ng/L		113	60 - 135
11Cl-PF3OUdS	37.7	41.2		ng/L		109	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
¹³ C4 PFBA	93		25 - 150
¹³ C5 PFPeA	93		25 - 150
¹³ C2 PFHxA	92		25 - 150
¹³ C4 PFHpA	99		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-582245/2-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 582245

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFOA	96		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	102		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	93		25 - 150
13C3 PFBS	95		25 - 150
18O2 PFHxS	94		25 - 150
13C4 PFOS	89		25 - 150
13C8 FOSA	89		10 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	98		25 - 150
d-N-MeFOSA-M	70		10 - 150
d-N-EtFOSA-M	74		10 - 150
d7-N-MeFOSE-M	78		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	114		25 - 150
M2-6:2 FTS	115		25 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	97		25 - 150
13C2 10:2 FTS	110		25 - 150

Lab Sample ID: LCSD 320-582245/3-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 582245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	44.6		ng/L		112	60 - 135	5	30	
Perfluoropentanoic acid (PFPeA)	40.0	39.6		ng/L		99	60 - 135	7	30	
Perfluorohexanoic acid (PFHxA)	40.0	39.8		ng/L		99	60 - 135	7	30	
Perfluoroheptanoic acid (PFHpA)	40.0	41.9		ng/L		105	60 - 135	1	30	
Perfluorooctanoic acid (PFOA)	40.0	41.8		ng/L		104	60 - 135	6	30	
Perfluorononanoic acid (PFNA)	40.0	41.5		ng/L		104	60 - 135	1	30	
Perfluorodecanoic acid (PFDA)	40.0	41.5		ng/L		104	60 - 135	1	30	
Perfluoroundecanoic acid (PFUnA)	40.0	39.9		ng/L		100	60 - 135	5	30	
Perfluorododecanoic acid (PFDoA)	40.0	43.6		ng/L		109	60 - 135	6	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	42.1		ng/L		105	60 - 135	7	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	39.1		ng/L		98	60 - 135	7	30	
Perfluorobutanesulfonic acid (PFBS)	35.4	33.6		ng/L		95	60 - 135	7	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.3		ng/L		99	60 - 135	3	30	
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.5		ng/L		100	60 - 135	3	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.1	40.2		ng/L		105	60 - 135	0	30	

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-582245/3-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 582245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	37.1	41.1		ng/L		111	60 - 135	4	30
Perfluorononanesulfonic acid (PFNS)	38.4	42.3		ng/L		110	60 - 135	2	30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.9		ng/L		101	60 - 135	12	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.8		ng/L		100	60 - 135	3	30
Perfluorooctanesulfonamide (FOSA)	40.0	43.0		ng/L		108	60 - 135	1	30
NEtFOSA	40.0	40.0		ng/L		100	60 - 135	5	30
NMeFOSA	40.0	45.0		ng/L		113	60 - 135	1	30
NMeFOSAA	40.0	39.6		ng/L		99	60 - 135	2	30
NEtFOSAA	40.0	43.9		ng/L		110	60 - 135	4	30
NMeFOSE	40.0	41.6		ng/L		104	60 - 135	1	30
NEtFOSE	40.0	44.7		ng/L		112	60 - 135	0	30
4:2 FTS	37.4	38.9		ng/L		104	60 - 135	1	30
6:2 FTS	37.9	41.1		ng/L		109	60 - 135	2	30
8:2 FTS	38.3	42.1		ng/L		110	60 - 135	0	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	44.9		ng/L		119	60 - 135	4	30
HFPO-DA (GenX)	40.0	42.0		ng/L		105	60 - 135	3	30
9Cl-PF3ONS	37.3	41.2		ng/L		111	60 - 135	3	30
11Cl-PF3OUdS	37.7	39.7		ng/L		105	60 - 135	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	94		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	103		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	104		25 - 150
13C2 PFDA	102		25 - 150
13C2 PFUnA	104		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	98		25 - 150
13C3 PFBS	101		25 - 150
18O2 PFHxS	95		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	91		10 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	91		25 - 150
d-N-MeFOSA-M	62		10 - 150
d-N-EtFOSA-M	64		10 - 150
d7-N-MeFOSE-M	81		10 - 150
d9-N-EtFOSE-M	77		10 - 150
M2-4:2 FTS	112		25 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	108		25 - 150
13C3 HFPO-DA	103		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-582245/3-A
Matrix: Water
Analysis Batch: 582522

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 582245

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C2 10:2 FTS	110		25 - 150

Lab Sample ID: MB 320-584415/1-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584415

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		05/01/22 16:24	05/02/22 09:44	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		05/01/22 16:24	05/02/22 09:44	1
NEtFOSA	<0.87		2.0	0.87	ng/L		05/01/22 16:24	05/02/22 09:44	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:24	05/02/22 09:44	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/01/22 16:24	05/02/22 09:44	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/01/22 16:24	05/02/22 09:44	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:24	05/02/22 09:44	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/01/22 16:24	05/02/22 09:44	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 09:44	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/01/22 16:24	05/02/22 09:44	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/01/22 16:24	05/02/22 09:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:24	05/02/22 09:44	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:24	05/02/22 09:44	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:24	05/02/22 09:44	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:24	05/02/22 09:44	1
Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	84		25 - 150	05/01/22 16:24	05/02/22 09:44	1			
13C5 PFPeA	87		25 - 150	05/01/22 16:24	05/02/22 09:44	1			
13C2 PFHxA	90		25 - 150	05/01/22 16:24	05/02/22 09:44	1			
13C4 PFHpA	94		25 - 150	05/01/22 16:24	05/02/22 09:44	1			

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-584415/1-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584415

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOA	93		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C5 PFNA	92		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C2 PFDA	90		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C2 PFUnA	90		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C2 PFDoA	82		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C2 PFTeDA	78		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C3 PFBS	77		25 - 150	05/01/22 16:24	05/02/22 09:44	1
18O2 PFHxS	80		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C4 PFOS	77		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C8 FOSA	78		10 - 150	05/01/22 16:24	05/02/22 09:44	1
d3-NMeFOSAA	86		25 - 150	05/01/22 16:24	05/02/22 09:44	1
d5-NEtFOSAA	83		25 - 150	05/01/22 16:24	05/02/22 09:44	1
d-N-MeFOSA-M	66		10 - 150	05/01/22 16:24	05/02/22 09:44	1
d-N-EtFOSA-M	67		10 - 150	05/01/22 16:24	05/02/22 09:44	1
d7-N-MeFOSE-M	69		10 - 150	05/01/22 16:24	05/02/22 09:44	1
d9-N-EtFOSE-M	65		10 - 150	05/01/22 16:24	05/02/22 09:44	1
M2-4:2 FTS	103		25 - 150	05/01/22 16:24	05/02/22 09:44	1
M2-6:2 FTS	110		25 - 150	05/01/22 16:24	05/02/22 09:44	1
M2-8:2 FTS	102		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C3 HFPO-DA	89		25 - 150	05/01/22 16:24	05/02/22 09:44	1
13C2 10:2 FTS	93		25 - 150	05/01/22 16:24	05/02/22 09:44	1

Lab Sample ID: LCS 320-584415/2-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	40.0	41.2		ng/L		103	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.0		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.8		ng/L		97	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	42.7		ng/L		107	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.4		ng/L		108	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.0		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	42.2		ng/L		106	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.4		ng/L		108	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	42.6		ng/L		107	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.2		ng/L		108	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	36.8		ng/L		104	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	41.6		ng/L		111	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.1		ng/L		97	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.8		ng/L		110	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-584415/2-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	37.1	40.9		ng/L		110	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	41.9		ng/L		109	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	40.2		ng/L		104	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.0		ng/L		98	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	43.2		ng/L		108	60 - 135
NEtFOSA	40.0	40.3		ng/L		101	60 - 135
NMeFOSA	40.0	44.9		ng/L		112	60 - 135
NMeFOSAA	40.0	40.0		ng/L		100	60 - 135
NEtFOSAA	40.0	41.8		ng/L		105	60 - 135
NMeFOSE	40.0	41.1		ng/L		103	60 - 135
NEtFOSE	40.0	42.7		ng/L		107	60 - 135
4:2 FTS	37.4	37.0		ng/L		99	60 - 135
6:2 FTS	37.9	46.3		ng/L		122	60 - 135
8:2 FTS	38.3	40.4		ng/L		105	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	48.6		ng/L		129	60 - 135
HFPO-DA (GenX)	40.0	38.5		ng/L		96	60 - 135
9Cl-PF3ONS	37.3	40.5		ng/L		109	60 - 135
11Cl-PF3OUdS	37.7	38.6		ng/L		102	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	85		25 - 150
13C5 PFPeA	80		25 - 150
13C2 PFHxA	90		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	90		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	88		25 - 150
13C2 PFUnA	86		25 - 150
13C2 PFDoA	82		25 - 150
13C2 PFTeDA	80		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	83		25 - 150
13C4 PFOS	77		25 - 150
13C8 FOSA	77		10 - 150
d3-NMeFOSAA	81		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	65		10 - 150
d-N-EtFOSA-M	68		10 - 150
d7-N-MeFOSE-M	71		10 - 150
d9-N-EtFOSE-M	65		10 - 150
M2-4:2 FTS	112		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	94		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-584415/2-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584415

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 10:2 FTS	87		25 - 150

Lab Sample ID: LCSD 320-584415/3-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	42.6		ng/L		107	60 - 135	4	30	
Perfluoropentanoic acid (PFPeA)	40.0	42.3		ng/L		106	60 - 135	3	30	
Perfluorohexanoic acid (PFHxA)	40.0	41.5		ng/L		104	60 - 135	6	30	
Perfluoroheptanoic acid (PFHpA)	40.0	40.9		ng/L		102	60 - 135	5	30	
Perfluorooctanoic acid (PFOA)	40.0	43.5		ng/L		109	60 - 135	2	30	
Perfluorononanoic acid (PFNA)	40.0	41.5		ng/L		104	60 - 135	4	30	
Perfluorodecanoic acid (PFDA)	40.0	41.7		ng/L		104	60 - 135	2	30	
Perfluoroundecanoic acid (PFUnA)	40.0	41.9		ng/L		105	60 - 135	1	30	
Perfluorododecanoic acid (PFDoA)	40.0	41.4		ng/L		104	60 - 135	5	30	
Perfluorotridecanoic acid (PFTrDA)	40.0	39.1		ng/L		98	60 - 135	9	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	43.2		ng/L		108	60 - 135	0	30	
Perfluorobutanesulfonic acid (PFBS)	35.4	38.6		ng/L		109	60 - 135	5	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	41.5		ng/L		111	60 - 135	0	30	
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.6		ng/L		101	60 - 135	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.9		ng/L		110	60 - 135	0	30	
Perfluorooctanesulfonic acid (PFOS)	37.1	40.2		ng/L		108	60 - 135	2	30	
Perfluorononanesulfonic acid (PFNS)	38.4	41.7		ng/L		109	60 - 135	0	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	39.8		ng/L		103	60 - 135	1	30	
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.6		ng/L		95	60 - 135	4	30	
Perfluorooctanesulfonamide (FOSA)	40.0	42.3		ng/L		106	60 - 135	2	30	
NEtFOSA	40.0	40.0		ng/L		100	60 - 135	1	30	
NMeFOSA	40.0	42.9		ng/L		107	60 - 135	5	30	
NMeFOSAA	40.0	39.1		ng/L		98	60 - 135	2	30	
NEtFOSAA	40.0	40.5		ng/L		101	60 - 135	3	30	
NMeFOSE	40.0	42.7		ng/L		107	60 - 135	4	30	
NEtFOSE	40.0	40.9		ng/L		102	60 - 135	4	30	
4:2 FTS	37.4	40.3		ng/L		108	60 - 135	9	30	
6:2 FTS	37.9	38.9		ng/L		103	60 - 135	17	30	
8:2 FTS	38.3	40.0		ng/L		104	60 - 135	1	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	49.3		ng/L		131	60 - 135	1	30	
HFPO-DA (GenX)	40.0	39.8		ng/L		100	60 - 135	3	30	

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-584415/3-A
Matrix: Water
Analysis Batch: 584504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
9CI-PF3ONS	37.3	41.0		ng/L		110	60 - 135	1	30
11CI-PF3OUdS	37.7	38.8		ng/L		103	60 - 135	0	30
LCSD LCSD									
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	91		25 - 150						
13C5 PFPeA	87		25 - 150						
13C2 PFHxA	93		25 - 150						
13C4 PFHpA	103		25 - 150						
13C4 PFOA	96		25 - 150						
13C5 PFNA	97		25 - 150						
13C2 PFDA	95		25 - 150						
13C2 PFUnA	94		25 - 150						
13C2 PFDoA	90		25 - 150						
13C2 PFTeDA	81		25 - 150						
13C3 PFBS	81		25 - 150						
18O2 PFHxS	85		25 - 150						
13C4 PFOS	81		25 - 150						
13C8 FOSA	82		10 - 150						
d3-NMeFOSAA	91		25 - 150						
d5-NEtFOSAA	90		25 - 150						
d-N-MeFOSA-M	67		10 - 150						
d-N-EtFOSA-M	68		10 - 150						
d7-N-MeFOSE-M	72		10 - 150						
d9-N-EtFOSE-M	71		10 - 150						
M2-4:2 FTS	110		25 - 150						
M2-6:2 FTS	118		25 - 150						
M2-8:2 FTS	109		25 - 150						
13C3 HFPO-DA	98		25 - 150						
13C2 10:2 FTS	93		25 - 150						

Lab Sample ID: MB 320-584421/1-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584421

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/01/22 16:37	05/02/22 15:28	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-584421/1-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584421

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		05/01/22 16:37	05/02/22 15:28	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		05/01/22 16:37	05/02/22 15:28	1
NEtFOSA	<0.87		2.0	0.87	ng/L		05/01/22 16:37	05/02/22 15:28	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/01/22 16:37	05/02/22 15:28	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/01/22 16:37	05/02/22 15:28	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/01/22 16:37	05/02/22 15:28	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/01/22 16:37	05/02/22 15:28	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/01/22 16:37	05/02/22 15:28	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/01/22 16:37	05/02/22 15:28	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/01/22 16:37	05/02/22 15:28	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/01/22 16:37	05/02/22 15:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/01/22 16:37	05/02/22 15:28	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/01/22 16:37	05/02/22 15:28	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		05/01/22 16:37	05/02/22 15:28	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		05/01/22 16:37	05/02/22 15:28	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	83		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C5 PFPeA	82		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C2 PFHxA	87		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C4 PFHpA	99		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C4 PFOA	95		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C5 PFNA	95		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C2 PFDA	89		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C2 PFUnA	90		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C2 PFDoA	87		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C2 PFTeDA	84		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C3 PFBS	76		25 - 150	05/01/22 16:37	05/02/22 15:28	1
18O2 PFHxS	79		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C4 PFOS	80		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C8 FOSA	83		10 - 150	05/01/22 16:37	05/02/22 15:28	1
d3-NMeFOSAA	85		25 - 150	05/01/22 16:37	05/02/22 15:28	1
d5-NEtFOSAA	86		25 - 150	05/01/22 16:37	05/02/22 15:28	1
d-N-MeFOSA-M	71		10 - 150	05/01/22 16:37	05/02/22 15:28	1
d-N-EtFOSA-M	75		10 - 150	05/01/22 16:37	05/02/22 15:28	1
d7-N-MeFOSE-M	73		10 - 150	05/01/22 16:37	05/02/22 15:28	1
d9-N-EtFOSE-M	69		10 - 150	05/01/22 16:37	05/02/22 15:28	1
M2-4:2 FTS	107		25 - 150	05/01/22 16:37	05/02/22 15:28	1
M2-6:2 FTS	103		25 - 150	05/01/22 16:37	05/02/22 15:28	1
M2-8:2 FTS	105		25 - 150	05/01/22 16:37	05/02/22 15:28	1
13C3 HFPO-DA	94		25 - 150	05/01/22 16:37	05/02/22 15:28	1

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-584421/1-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584421

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 10:2 FTS	89		25 - 150	05/01/22 16:37	05/02/22 15:28	1

Lab Sample ID: LCS 320-584421/2-A
Matrix: Water
Analysis Batch: 585153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	41.4		ng/L		104	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.2		ng/L		103	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	41.2		ng/L		103	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	41.0		ng/L		102	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	43.0		ng/L		108	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.2		ng/L		108	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.5		ng/L		101	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	39.6		ng/L		99	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.6		ng/L		111	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	41.9		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.1		ng/L		108	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.8		ng/L		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	41.8		ng/L		112	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.0		ng/L		96	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	40.7		ng/L		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.0		ng/L		108	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	41.4		ng/L		108	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.1		ng/L		101	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.4		ng/L		94	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	44.5		ng/L		111	60 - 135
NEtFOSA	40.0	41.7		ng/L		104	60 - 135
NMeFOSA	40.0	45.2		ng/L		113	60 - 135
NMeFOSAA	40.0	41.0		ng/L		103	60 - 135
NEtFOSAA	40.0	42.7		ng/L		107	60 - 135
NMeFOSE	40.0	42.6		ng/L		107	60 - 135
NEtFOSE	40.0	43.7		ng/L		109	60 - 135
4:2 FTS	37.4	41.6		ng/L		111	60 - 135
6:2 FTS	37.9	48.2		ng/L		127	60 - 135
8:2 FTS	38.3	44.2		ng/L		115	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	49.5		ng/L		131	60 - 135
HFPO-DA (GenX)	40.0	42.0		ng/L		105	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-584421/2-A
Matrix: Water
Analysis Batch: 585153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9CI-PF3ONS	37.3	42.2		ng/L		113	60 - 135
11CI-PF3OUdS	37.7	38.1		ng/L		101	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	92		25 - 150
13C5 PFPeA	88		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	89		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	80		25 - 150
18O2 PFHxS	85		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	78		10 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	72		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	76		10 - 150
d9-N-EtFOSE-M	69		10 - 150
M2-4:2 FTS	99		25 - 150
M2-6:2 FTS	91		25 - 150
M2-8:2 FTS	89		25 - 150
13C3 HFPO-DA	95		25 - 150
13C2 10:2 FTS	87		25 - 150

Lab Sample ID: LCSD 320-584421/3-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584421

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	41.7		ng/L		104	60 - 135	1	30
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	60 - 135	5	30
Perfluorohexanoic acid (PFHxA)	40.0	41.7		ng/L		104	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	39.5		ng/L		99	60 - 135	4	30
Perfluorooctanoic acid (PFOA)	40.0	44.4		ng/L		111	60 - 135	3	30
Perfluorononanoic acid (PFNA)	40.0	42.7		ng/L		107	60 - 135	1	30
Perfluorodecanoic acid (PFDA)	40.0	39.9		ng/L		100	60 - 135	2	30
Perfluoroundecanoic acid (PFUnA)	40.0	42.7		ng/L		107	60 - 135	8	30
Perfluorododecanoic acid (PFDoA)	40.0	44.1		ng/L		110	60 - 135	1	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	42.9		ng/L		107	60 - 135	2	30
Perfluorotetradecanoic acid (PFTeA)	40.0	45.3		ng/L		113	60 - 135	5	30

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-584421/3-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584421

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanesulfonic acid (PFBS)	35.4	37.6		ng/L		106	60 - 135	5	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	43.1		ng/L		115	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.6		ng/L		98	60 - 135	1	30
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.8		ng/L		110	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)	37.1	40.8		ng/L		110	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)	38.4	40.9		ng/L		106	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)	38.6	39.3		ng/L		102	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.0		ng/L		93	60 - 135	1	30
Perfluorooctanesulfonamide (FOSA)	40.0	43.0		ng/L		107	60 - 135	4	30
NEtFOSA	40.0	39.0		ng/L		97	60 - 135	7	30
NMeFOSA	40.0	43.6		ng/L		109	60 - 135	4	30
NMeFOSAA	40.0	39.4		ng/L		98	60 - 135	4	30
NEtFOSAA	40.0	44.8		ng/L		112	60 - 135	5	30
NMeFOSE	40.0	42.2		ng/L		106	60 - 135	1	30
NEtFOSE	40.0	42.5		ng/L		106	60 - 135	3	30
4:2 FTS	37.4	38.7		ng/L		104	60 - 135	7	30
6:2 FTS	37.9	40.9		ng/L		108	60 - 135	16	30
8:2 FTS	38.3	40.7		ng/L		106	60 - 135	8	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	48.2		ng/L		128	60 - 135	3	30
HFPO-DA (GenX)	40.0	42.1		ng/L		105	60 - 135	0	30
9CI-PF3ONS	37.3	40.3		ng/L		108	60 - 135	4	30
11CI-PF3OUdS	37.7	37.5		ng/L		100	60 - 135	1	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	88		25 - 150
13C5 PFPeA	87		25 - 150
13C2 PFHxA	90		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	90		25 - 150
13C2 PFDoA	83		25 - 150
13C2 PFTeDA	79		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	81		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	70		10 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCSD 320-584421/3-A
Matrix: Water
Analysis Batch: 584507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584421

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
d-N-EtFOSA-M	72		10 - 150
d7-N-MeFOSE-M	67		10 - 150
d9-N-EtFOSE-M	66		10 - 150
M2-4:2 FTS	119		25 - 150
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	92		25 - 150
13C2 10:2 FTS	97		25 - 150

Lab Sample ID: MB 320-585718/1-A
Matrix: Water
Analysis Batch: 586189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585718

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		05/06/22 11:55	05/07/22 18:11	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		05/06/22 11:55	05/07/22 18:11	1
NEtFOSA	<0.87		2.0	0.87	ng/L		05/06/22 11:55	05/07/22 18:11	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/06/22 11:55	05/07/22 18:11	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/06/22 11:55	05/07/22 18:11	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/06/22 11:55	05/07/22 18:11	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/06/22 11:55	05/07/22 18:11	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/06/22 11:55	05/07/22 18:11	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/06/22 11:55	05/07/22 18:11	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/06/22 11:55	05/07/22 18:11	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/06/22 11:55	05/07/22 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/06/22 11:55	05/07/22 18:11	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/06/22 11:55	05/07/22 18:11	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		05/06/22 11:55	05/07/22 18:11	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: MB 320-585718/1-A
Matrix: Water
Analysis Batch: 586189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		05/06/22 11:55	05/07/22 18:11	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C5 PFPeA	83		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 PFHxA	86		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C4 PFHpA	97		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C4 PFOA	90		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C5 PFNA	93		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 PFDA	92		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 PFUnA	90		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 PFDoA	92		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 PFTeDA	87		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C3 PFBS	74		25 - 150				05/06/22 11:55	05/07/22 18:11	1
18O2 PFHxS	78		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C4 PFOS	76		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C8 FOSA	78		10 - 150				05/06/22 11:55	05/07/22 18:11	1
d3-NMeFOSAA	69		25 - 150				05/06/22 11:55	05/07/22 18:11	1
d5-NEtFOSAA	78		25 - 150				05/06/22 11:55	05/07/22 18:11	1
d-N-MeFOSA-M	74		10 - 150				05/06/22 11:55	05/07/22 18:11	1
d-N-EtFOSA-M	75		10 - 150				05/06/22 11:55	05/07/22 18:11	1
d7-N-MeFOSE-M	74		10 - 150				05/06/22 11:55	05/07/22 18:11	1
d9-N-EtFOSE-M	68		10 - 150				05/06/22 11:55	05/07/22 18:11	1
M2-4:2 FTS	109		25 - 150				05/06/22 11:55	05/07/22 18:11	1
M2-6:2 FTS	106		25 - 150				05/06/22 11:55	05/07/22 18:11	1
M2-8:2 FTS	107		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C3 HFPO-DA	93		25 - 150				05/06/22 11:55	05/07/22 18:11	1
13C2 10:2 FTS	119		25 - 150				05/06/22 11:55	05/07/22 18:11	1

Lab Sample ID: LCS 320-585718/2-A
Matrix: Water
Analysis Batch: 586189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	41.8		ng/L		105	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	42.0		ng/L		105	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.7		ng/L		97	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.0		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.9		ng/L		102	60 - 135
Perfluorononanoic acid (PFNA)	40.0	43.1		ng/L		108	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.9		ng/L		105	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	42.3		ng/L		106	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.2		ng/L		108	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	42.4		ng/L		106	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.0		ng/L		108	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-585718/2-A
Matrix: Water
Analysis Batch: 586189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	35.4	35.0		ng/L		99	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.8		ng/L		109	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.5		ng/L		98	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.7		ng/L		110	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.4		ng/L		109	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.5		ng/L		105	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	40.4		ng/L		105	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.1		ng/L		101	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	42.3		ng/L		106	60 - 135
NEtFOSA	40.0	41.9		ng/L		105	60 - 135
NMeFOSA	40.0	44.0		ng/L		110	60 - 135
NMeFOSAA	40.0	42.2		ng/L		105	60 - 135
NEtFOSAA	40.0	39.4		ng/L		99	60 - 135
NMeFOSE	40.0	42.9		ng/L		107	60 - 135
NEtFOSE	40.0	43.4		ng/L		109	60 - 135
4:2 FTS	37.4	40.2		ng/L		107	60 - 135
6:2 FTS	37.9	39.5		ng/L		104	60 - 135
8:2 FTS	38.3	40.2		ng/L		105	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	49.8		ng/L		132	60 - 135
HFPO-DA (GenX)	40.0	39.6		ng/L		99	60 - 135
9CI-PF3ONS	37.3	41.9		ng/L		112	60 - 135
11CI-PF3OUdS	37.7	39.6		ng/L		105	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	86		25 - 150
13C5 PFPeA	80		25 - 150
13C2 PFHxA	91		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	87		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	76		25 - 150
18O2 PFHxS	80		25 - 150
13C4 PFOS	74		25 - 150
13C8 FOSA	74		10 - 150
d3-NMeFOSAA	68		25 - 150
d5-NEtFOSAA	80		25 - 150
d-N-MeFOSA-M	69		10 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-585718/2-A
Matrix: Water
Analysis Batch: 586189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585718

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
<i>d-N-EtFOSA-M</i>	71		10 - 150
<i>d7-N-MeFOSE-M</i>	72		10 - 150
<i>d9-N-EtFOSE-M</i>	67		10 - 150
<i>M2-4:2 FTS</i>	103		25 - 150
<i>M2-6:2 FTS</i>	108		25 - 150
<i>M2-8:2 FTS</i>	108		25 - 150
<i>13C3 HFPO-DA</i>	94		25 - 150
<i>13C2 10:2 FTS</i>	115		25 - 150

Lab Sample ID: LCS 320-585718/2-A
Matrix: Water
Analysis Batch: 586526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	40.6		ng/L		102	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.6		ng/L		104	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.2		ng/L		98	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.5		ng/L		99	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.9		ng/L		102	60 - 135
Perfluorononanoic acid (PFNA)	40.0	42.8		ng/L		107	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.1		ng/L		105	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.8		ng/L		110	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.3		ng/L		108	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	42.2		ng/L		105	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.8		ng/L		102	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.5		ng/L		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.9		ng/L		109	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.0		ng/L		96	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.1	41.3		ng/L		109	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	40.3		ng/L		109	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.4		ng/L		105	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.1		ng/L		107	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.4		ng/L		102	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	43.0		ng/L		108	60 - 135
NEtFOSA	40.0	41.9		ng/L		105	60 - 135
NMeFOSA	40.0	43.6		ng/L		109	60 - 135
NMeFOSAA	40.0	40.5		ng/L		101	60 - 135
NEtFOSAA	40.0	42.8		ng/L		107	60 - 135
NMeFOSE	40.0	42.6		ng/L		107	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

Lab Sample ID: LCS 320-585718/2-A
Matrix: Water
Analysis Batch: 586526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSE	40.0	43.3		ng/L		108	60 - 135
4:2 FTS	37.4	38.2		ng/L		102	60 - 135
6:2 FTS	37.9	39.6		ng/L		104	60 - 135
8:2 FTS	38.3	41.6		ng/L		109	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	46.8		ng/L		124	60 - 135
HFPO-DA (GenX)	40.0	39.0		ng/L		98	60 - 135
9Cl-PF3ONS	37.3	41.0		ng/L		110	60 - 135
11Cl-PF3OUdS	37.7	39.2		ng/L		104	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	92		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	110		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	99		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	95		25 - 150
13C2 PFDaA	96		25 - 150
13C2 PFTeDA	97		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	88		25 - 150
13C8 FOSA	83		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	82		10 - 150
d7-N-MeFOSE-M	81		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	121		25 - 150
M2-6:2 FTS	123		25 - 150
M2-8:2 FTS	108		25 - 150
13C3 HFPO-DA	102		25 - 150
13C2 10:2 FTS	103		25 - 150

QC Association Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

LCMS

Prep Batch: 581584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-38	DUP-01-202204	Total/NA	Water	3535	
MB 320-581584/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-581584/2-A	Lab Control Sample	Total/NA	Water	3535	

Prep Batch: 582100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-1 - DL	MP-01-(051-088)-202204	Total/NA	Water	3535	
320-86779-1	MP-01-(051-088)-202204	Total/NA	Water	3535	
320-86779-2	MP-01-(091-118)-202204	Total/NA	Water	3535	
320-86779-2 - DL	MP-01-(091-118)-202204	Total/NA	Water	3535	
320-86779-3	MP-01-(121-152)-202204	Total/NA	Water	3535	
320-86779-3 - DL	MP-01-(121-152)-202204	Total/NA	Water	3535	
320-86779-4	MP-01-(155-195)-202204	Total/NA	Water	3535	
320-86779-4 - DL	MP-01-(155-195)-202204	Total/NA	Water	3535	
320-86779-5	MP-01-(198-220)-202204	Total/NA	Water	3535	
320-86779-5 - DL	MP-01-(198-220)-202204	Total/NA	Water	3535	
320-86779-6	MP-01-(223-250)-202204	Total/NA	Water	3535	
MB 320-582100/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-582100/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-582100/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 582245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-7	MP-01-(253-274)-202204	Total/NA	Water	3535	
320-86779-8	MP-01-(277-293)-202204	Total/NA	Water	3535	
320-86779-9	MP-02-(153-195)-202204	Total/NA	Water	3535	
320-86779-9 - DL	MP-02-(153-195)-202204	Total/NA	Water	3535	
320-86779-10	MP-02-(198-220)-202204	Total/NA	Water	3535	
320-86779-10 - DL	MP-02-(198-220)-202204	Total/NA	Water	3535	
320-86779-11	MP-02-(223-250)-202204	Total/NA	Water	3535	
MB 320-582245/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-582245/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-582245/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 582266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-38	DUP-01-202204	Total/NA	Water	537 (modified)	581584
MB 320-581584/1-A	Method Blank	Total/NA	Water	537 (modified)	581584
LCS 320-581584/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	581584

Analysis Batch: 582522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-7	MP-01-(253-274)-202204	Total/NA	Water	537 (modified)	582245
320-86779-8	MP-01-(277-293)-202204	Total/NA	Water	537 (modified)	582245
320-86779-9	MP-02-(153-195)-202204	Total/NA	Water	537 (modified)	582245
320-86779-10	MP-02-(198-220)-202204	Total/NA	Water	537 (modified)	582245
320-86779-11	MP-02-(223-250)-202204	Total/NA	Water	537 (modified)	582245
MB 320-582245/1-A	Method Blank	Total/NA	Water	537 (modified)	582245
LCS 320-582245/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	582245
LCSD 320-582245/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	582245

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QC Association Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

LCMS

Analysis Batch: 582573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-1	MP-01-(051-088)-202204	Total/NA	Water	537 (modified)	582100
320-86779-2	MP-01-(091-118)-202204	Total/NA	Water	537 (modified)	582100
320-86779-5	MP-01-(198-220)-202204	Total/NA	Water	537 (modified)	582100
320-86779-6	MP-01-(223-250)-202204	Total/NA	Water	537 (modified)	582100
MB 320-582100/1-A	Method Blank	Total/NA	Water	537 (modified)	582100
LCS 320-582100/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	582100
LCSD 320-582100/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	582100

Analysis Batch: 582582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-9 - DL	MP-02-(153-195)-202204	Total/NA	Water	537 (modified)	582245
320-86779-10 - DL	MP-02-(198-220)-202204	Total/NA	Water	537 (modified)	582245

Analysis Batch: 582939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-1 - DL	MP-01-(051-088)-202204	Total/NA	Water	537 (modified)	582100
320-86779-2 - DL	MP-01-(091-118)-202204	Total/NA	Water	537 (modified)	582100
320-86779-3 - DL	MP-01-(121-152)-202204	Total/NA	Water	537 (modified)	582100
320-86779-3	MP-01-(121-152)-202204	Total/NA	Water	537 (modified)	582100
320-86779-4 - DL	MP-01-(155-195)-202204	Total/NA	Water	537 (modified)	582100
320-86779-4	MP-01-(155-195)-202204	Total/NA	Water	537 (modified)	582100
320-86779-5 - DL	MP-01-(198-220)-202204	Total/NA	Water	537 (modified)	582100

Prep Batch: 584415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-23	MP-04-(080-112)-202204	Total/NA	Water	3535	
320-86779-23 - DL	MP-04-(080-112)-202204	Total/NA	Water	3535	
320-86779-24 - DL	MP-04-(115-152)-202204	Total/NA	Water	3535	
320-86779-24	MP-04-(115-152)-202204	Total/NA	Water	3535	
320-86779-25	MP-04-(155-192)-202204	Total/NA	Water	3535	
320-86779-25 - DL	MP-04-(155-192)-202204	Total/NA	Water	3535	
320-86779-26	MP-04-(195-217)-202204	Total/NA	Water	3535	
320-86779-27	MP-04-(220-242)-202204	Total/NA	Water	3535	
320-86779-28	MP-04-(245-272)-202204	Total/NA	Water	3535	
320-86779-29	MP-04-(275-291)-202204	Total/NA	Water	3535	
320-86779-30	MP-05-(SWL-065)-202204	Total/NA	Water	3535	
320-86779-31	MW-01-202204	Total/NA	Water	3535	
320-86779-31 - DL	MW-01-202204	Total/NA	Water	3535	
320-86779-32	MW-03-202204	Total/NA	Water	3535	
320-86779-33	MW-04-202204	Total/NA	Water	3535	
320-86779-33 - DL	MW-04-202204	Total/NA	Water	3535	
320-86779-34	MW-05-202204	Total/NA	Water	3535	
320-86779-35	MW-06-202204	Total/NA	Water	3535	
320-86779-36	MW-07-202204	Total/NA	Water	3535	
320-86779-37	PZ-01-202204	Total/NA	Water	3535	
320-86779-39	DUP-02-202204	Total/NA	Water	3535	
320-86779-39 - DL	DUP-02-202204	Total/NA	Water	3535	
320-86779-40	DUP-03-202204	Total/NA	Water	3535	
320-86779-40 - DL	DUP-03-202204	Total/NA	Water	3535	
320-86779-41	DUP-04-202204	Total/NA	Water	3535	
320-86779-41 - DL	DUP-04-202204	Total/NA	Water	3535	

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

LCMS (Continued)

Prep Batch: 584415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-42	DUP-05-202204	Total/NA	Water	3535	
320-86779-42 - DL	DUP-05-202204	Total/NA	Water	3535	
320-86779-43	DUP-06-202204	Total/NA	Water	3535	
MB 320-584415/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-584415/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-584415/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 584421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-44	MP-01-EB-202204	Total/NA	Water	3535	
320-86779-45	MP-02-EB-202204	Total/NA	Water	3535	
320-86779-46	MP-03-EB-202204	Total/NA	Water	3535	
320-86779-47	MP-04-EB-202204	Total/NA	Water	3535	
320-86779-48	MP-05-EB-202204	Total/NA	Water	3535	
320-86779-49	MW-07-EB-202204	Total/NA	Water	3535	
320-86779-50	FB-01-202204	Total/NA	Water	3535	
320-86779-51	FB-02-202204	Total/NA	Water	3535	
MB 320-584421/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-584421/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-584421/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 584504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-23	MP-04-(080-112)-202204	Total/NA	Water	537 (modified)	584415
320-86779-24	MP-04-(115-152)-202204	Total/NA	Water	537 (modified)	584415
320-86779-25	MP-04-(155-192)-202204	Total/NA	Water	537 (modified)	584415
320-86779-26	MP-04-(195-217)-202204	Total/NA	Water	537 (modified)	584415
320-86779-28	MP-04-(245-272)-202204	Total/NA	Water	537 (modified)	584415
320-86779-29	MP-04-(275-291)-202204	Total/NA	Water	537 (modified)	584415
320-86779-30	MP-05-(SWL-065)-202204	Total/NA	Water	537 (modified)	584415
320-86779-31	MW-01-202204	Total/NA	Water	537 (modified)	584415
320-86779-32	MW-03-202204	Total/NA	Water	537 (modified)	584415
320-86779-33	MW-04-202204	Total/NA	Water	537 (modified)	584415
320-86779-35	MW-06-202204	Total/NA	Water	537 (modified)	584415
320-86779-36	MW-07-202204	Total/NA	Water	537 (modified)	584415
320-86779-37	PZ-01-202204	Total/NA	Water	537 (modified)	584415
320-86779-39	DUP-02-202204	Total/NA	Water	537 (modified)	584415
320-86779-40	DUP-03-202204	Total/NA	Water	537 (modified)	584415
320-86779-41	DUP-04-202204	Total/NA	Water	537 (modified)	584415
320-86779-42	DUP-05-202204	Total/NA	Water	537 (modified)	584415
320-86779-43	DUP-06-202204	Total/NA	Water	537 (modified)	584415
MB 320-584415/1-A	Method Blank	Total/NA	Water	537 (modified)	584415
LCS 320-584415/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	584415
LCSD 320-584415/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	584415

Analysis Batch: 584507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-44	MP-01-EB-202204	Total/NA	Water	537 (modified)	584421
320-86779-45	MP-02-EB-202204	Total/NA	Water	537 (modified)	584421
320-86779-46	MP-03-EB-202204	Total/NA	Water	537 (modified)	584421
320-86779-47	MP-04-EB-202204	Total/NA	Water	537 (modified)	584421

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

LCMS (Continued)

Analysis Batch: 584507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-50	FB-01-202204	Total/NA	Water	537 (modified)	584421
320-86779-51	FB-02-202204	Total/NA	Water	537 (modified)	584421
MB 320-584421/1-A	Method Blank	Total/NA	Water	537 (modified)	584421
LCSD 320-584421/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	584421

Analysis Batch: 585153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-48	MP-05-EB-202204	Total/NA	Water	537 (modified)	584421
320-86779-49	MW-07-EB-202204	Total/NA	Water	537 (modified)	584421
LCS 320-584421/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	584421

Analysis Batch: 585417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-23 - DL	MP-04-(080-112)-202204	Total/NA	Water	537 (modified)	584415
320-86779-24 - DL	MP-04-(115-152)-202204	Total/NA	Water	537 (modified)	584415
320-86779-25 - DL	MP-04-(155-192)-202204	Total/NA	Water	537 (modified)	584415
320-86779-27	MP-04-(220-242)-202204	Total/NA	Water	537 (modified)	584415
320-86779-31 - DL	MW-01-202204	Total/NA	Water	537 (modified)	584415
320-86779-33 - DL	MW-04-202204	Total/NA	Water	537 (modified)	584415
320-86779-34	MW-05-202204	Total/NA	Water	537 (modified)	584415
320-86779-39 - DL	DUP-02-202204	Total/NA	Water	537 (modified)	584415
320-86779-40 - DL	DUP-03-202204	Total/NA	Water	537 (modified)	584415
320-86779-41 - DL	DUP-04-202204	Total/NA	Water	537 (modified)	584415
320-86779-42 - DL	DUP-05-202204	Total/NA	Water	537 (modified)	584415

Prep Batch: 585718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-12	MP-02-(253-276)-202204	Total/NA	Water	3535	
320-86779-13	MP-02-(279-300)-202204	Total/NA	Water	3535	
320-86779-14	MP-03-(046-080)-202204	Total/NA	Water	3535	
320-86779-15	MP-03-(083-117)-202204	Total/NA	Water	3535	
320-86779-16	MP-03-(120-157)-202204	Total/NA	Water	3535	
320-86779-17	MP-03-(160-187)-202204	Total/NA	Water	3535	
320-86779-17 - DL	MP-03-(160-187)-202204	Total/NA	Water	3535	
320-86779-18	MP-03-(190-217)-202204	Total/NA	Water	3535	
320-86779-19	MP-03-(220-242)-202204	Total/NA	Water	3535	
320-86779-20	MP-03-(245-277)-202204	Total/NA	Water	3535	
320-86779-21	MP-03-(280-300)-202204	Total/NA	Water	3535	
320-86779-22	MP-04-(048-077)-202204	Total/NA	Water	3535	
MB 320-585718/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-585718/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 586189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-12	MP-02-(253-276)-202204	Total/NA	Water	537 (modified)	585718
320-86779-13	MP-02-(279-300)-202204	Total/NA	Water	537 (modified)	585718
320-86779-14	MP-03-(046-080)-202204	Total/NA	Water	537 (modified)	585718
320-86779-15	MP-03-(083-117)-202204	Total/NA	Water	537 (modified)	585718
320-86779-16	MP-03-(120-157)-202204	Total/NA	Water	537 (modified)	585718
320-86779-17 - DL	MP-03-(160-187)-202204	Total/NA	Water	537 (modified)	585718
320-86779-17	MP-03-(160-187)-202204	Total/NA	Water	537 (modified)	585718

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

LCMS (Continued)

Analysis Batch: 586189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-86779-18	MP-03-(190-217)-202204	Total/NA	Water	537 (modified)	585718
320-86779-19	MP-03-(220-242)-202204	Total/NA	Water	537 (modified)	585718
320-86779-20	MP-03-(245-277)-202204	Total/NA	Water	537 (modified)	585718
320-86779-21	MP-03-(280-300)-202204	Total/NA	Water	537 (modified)	585718
320-86779-22	MP-04-(048-077)-202204	Total/NA	Water	537 (modified)	585718
MB 320-585718/1-A	Method Blank	Total/NA	Water	537 (modified)	585718
LCS 320-585718/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	585718

Analysis Batch: 586526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-585718/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	585718

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(051-088)-202204

Lab Sample ID: 320-86779-1

Date Collected: 04/12/22 18:35

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			258.5 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582573	04/24/22 22:43	K1S	TAL SAC
Total/NA	Prep	3535	DL		258.5 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			582939	04/25/22 19:12	RS1	TAL SAC

Client Sample ID: MP-01-(091-118)-202204

Lab Sample ID: 320-86779-2

Date Collected: 04/12/22 18:15

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			190.7 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582573	04/24/22 22:53	K1S	TAL SAC
Total/NA	Prep	3535	DL		190.7 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			582939	04/25/22 18:52	RS1	TAL SAC

Client Sample ID: MP-01-(121-152)-202204

Lab Sample ID: 320-86779-3

Date Collected: 04/12/22 18:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		256.9 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			582939	04/25/22 19:22	RS1	TAL SAC
Total/NA	Prep	3535			256.9 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582939	04/25/22 19:33	RS1	TAL SAC

Client Sample ID: MP-01-(155-195)-202204

Lab Sample ID: 320-86779-4

Date Collected: 04/12/22 17:50

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		255.4 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			582939	04/25/22 19:53	RS1	TAL SAC
Total/NA	Prep	3535			255.4 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582939	04/25/22 20:03	RS1	TAL SAC

Client Sample ID: MP-01-(198-220)-202204

Lab Sample ID: 320-86779-5

Date Collected: 04/12/22 17:30

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.1 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582573	04/24/22 23:24	K1S	TAL SAC
Total/NA	Prep	3535	DL		254.1 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			582939	04/25/22 19:02	RS1	TAL SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-01-(223-250)-202204

Lab Sample ID: 320-86779-6

Date Collected: 04/12/22 17:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.8 mL	10.0 mL	582100	04/22/22 05:52	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			582573	04/24/22 23:34	K1S	TAL SAC

Client Sample ID: MP-01-(253-274)-202204

Lab Sample ID: 320-86779-7

Date Collected: 04/12/22 16:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			228.5 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582522	04/24/22 01:04	RS1	TAL SAC

Client Sample ID: MP-01-(277-293)-202204

Lab Sample ID: 320-86779-8

Date Collected: 04/12/22 16:35

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.8 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582522	04/24/22 01:15	RS1	TAL SAC

Client Sample ID: MP-02-(153-195)-202204

Lab Sample ID: 320-86779-9

Date Collected: 04/12/22 14:50

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.8 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582522	04/24/22 01:25	RS1	TAL SAC
Total/NA	Prep	3535	DL		268.8 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			582582	04/25/22 07:11	AF	TAL SAC

Client Sample ID: MP-02-(198-220)-202204

Lab Sample ID: 320-86779-10

Date Collected: 04/12/22 14:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.4 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582522	04/24/22 01:35	RS1	TAL SAC
Total/NA	Prep	3535	DL		263.4 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			582582	04/25/22 07:21	AF	TAL SAC

Client Sample ID: MP-02-(223-250)-202204

Lab Sample ID: 320-86779-11

Date Collected: 04/12/22 13:35

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			257.2 mL	10.0 mL	582245	04/22/22 12:37	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582522	04/24/22 01:45	RS1	TAL SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-02-(253-276)-202204

Lab Sample ID: 320-86779-12

Date Collected: 04/12/22 13:25

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.5 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 18:31	RS1	TAL SAC

Client Sample ID: MP-02-(279-300)-202204

Lab Sample ID: 320-86779-13

Date Collected: 04/12/22 13:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			212.2 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 18:42	RS1	TAL SAC

Client Sample ID: MP-03-(046-080)-202204

Lab Sample ID: 320-86779-14

Date Collected: 04/12/22 12:25

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 18:52	RS1	TAL SAC

Client Sample ID: MP-03-(083-117)-202204

Lab Sample ID: 320-86779-15

Date Collected: 04/12/22 12:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			214.1 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 19:02	RS1	TAL SAC

Client Sample ID: MP-03-(120-157)-202204

Lab Sample ID: 320-86779-16

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			189.4 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 19:12	RS1	TAL SAC

Client Sample ID: MP-03-(160-187)-202204

Lab Sample ID: 320-86779-17

Date Collected: 04/12/22 11:35

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		234.8 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			586189	05/07/22 22:45	RS1	TAL SAC
Total/NA	Prep	3535			234.8 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 22:55	RS1	TAL SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-03-(190-217)-202204

Lab Sample ID: 320-86779-18

Date Collected: 04/12/22 11:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			230.8 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 19:22	RS1	TAL SAC

Client Sample ID: MP-03-(220-242)-202204

Lab Sample ID: 320-86779-19

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			215.8 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 19:32	RS1	TAL SAC

Client Sample ID: MP-03-(245-277)-202204

Lab Sample ID: 320-86779-20

Date Collected: 04/12/22 09:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			229.7 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 19:42	RS1	TAL SAC

Client Sample ID: MP-03-(280-300)-202204

Lab Sample ID: 320-86779-21

Date Collected: 04/12/22 09:15

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			214.9 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 20:23	RS1	TAL SAC

Client Sample ID: MP-04-(048-077)-202204

Lab Sample ID: 320-86779-22

Date Collected: 04/11/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			125.8 mL	10.0 mL	585718	05/06/22 11:55	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			586189	05/07/22 20:33	RS1	TAL SAC

Client Sample ID: MP-04-(080-112)-202204

Lab Sample ID: 320-86779-23

Date Collected: 04/11/22 17:35

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.5 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 10:14	RS1	TAL SAC
Total/NA	Prep	3535	DL		265.5 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			585417	05/05/22 13:00	RS1	TAL SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-(115-152)-202204

Lab Sample ID: 320-86779-24

Date Collected: 04/11/22 17:15

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			259.3 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 10:25	RS1	TAL SAC
Total/NA	Prep	3535	DL		259.3 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			585417	05/05/22 12:40	RS1	TAL SAC

Client Sample ID: MP-04-(155-192)-202204

Lab Sample ID: 320-86779-25

Date Collected: 04/11/22 17:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262.4 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 10:35	RS1	TAL SAC
Total/NA	Prep	3535	DL		262.4 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			585417	05/05/22 13:31	RS1	TAL SAC

Client Sample ID: MP-04-(195-217)-202204

Lab Sample ID: 320-86779-26

Date Collected: 04/11/22 16:25

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.9 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 10:45	RS1	TAL SAC

Client Sample ID: MP-04-(220-242)-202204

Lab Sample ID: 320-86779-27

Date Collected: 04/11/22 16:05

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.3 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			585417	05/05/22 14:01	RS1	TAL SAC

Client Sample ID: MP-04-(245-272)-202204

Lab Sample ID: 320-86779-28

Date Collected: 04/11/22 15:45

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.9 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 11:05	RS1	TAL SAC

Client Sample ID: MP-04-(275-291)-202204

Lab Sample ID: 320-86779-29

Date Collected: 04/11/22 15:20

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.4 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 11:46	RS1	TAL SAC

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Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-05-(SWL-065)-202204

Lab Sample ID: 320-86779-30

Date Collected: 04/11/22 13:30

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.9 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 11:56	RS1	TAL SAC

Client Sample ID: MW-01-202204

Lab Sample ID: 320-86779-31

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.2 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 12:06	RS1	TAL SAC
Total/NA	Prep	3535	DL		275.2 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			585417	05/05/22 13:11	RS1	TAL SAC

Client Sample ID: MW-03-202204

Lab Sample ID: 320-86779-32

Date Collected: 04/12/22 12:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.9 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 12:16	RS1	TAL SAC

Client Sample ID: MW-04-202204

Lab Sample ID: 320-86779-33

Date Collected: 04/12/22 17:52

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			278.8 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 12:26	RS1	TAL SAC
Total/NA	Prep	3535	DL		278.8 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	100			585417	05/05/22 12:19	RS1	TAL SAC

Client Sample ID: MW-05-202204

Lab Sample ID: 320-86779-34

Date Collected: 04/12/22 16:10

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			585417	05/05/22 14:52	RS1	TAL SAC

Client Sample ID: MW-06-202204

Lab Sample ID: 320-86779-35

Date Collected: 04/12/22 11:50

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			288.7 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 12:46	RS1	TAL SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MW-07-202204

Lab Sample ID: 320-86779-36

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			305.4 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 12:56	RS1	TAL SAC

Client Sample ID: PZ-01-202204

Lab Sample ID: 320-86779-37

Date Collected: 04/12/22 18:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			280.5 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 13:06	RS1	TAL SAC

Client Sample ID: DUP-01-202204

Lab Sample ID: 320-86779-38

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			271.1 mL	10.0 mL	581584	04/20/22 12:00	RAC	TAL SAC
Total/NA	Analysis	537 (modified)		1			582266	04/22/22 14:25	RS1	TAL SAC

Client Sample ID: DUP-02-202204

Lab Sample ID: 320-86779-39

Date Collected: 04/11/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.2 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 13:17	RS1	TAL SAC
Total/NA	Prep	3535	DL		265.2 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			585417	05/05/22 12:50	RS1	TAL SAC

Client Sample ID: DUP-03-202204

Lab Sample ID: 320-86779-40

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			264.5 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 13:57	RS1	TAL SAC
Total/NA	Prep	3535	DL		264.5 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			585417	05/05/22 13:41	RS1	TAL SAC

Client Sample ID: DUP-04-202204

Lab Sample ID: 320-86779-41

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.8 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 14:07	RS1	TAL SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: DUP-04-202204

Lab Sample ID: 320-86779-41

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		249.8 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			585417	05/05/22 13:51	RS1	TAL SAC

Client Sample ID: DUP-05-202204

Lab Sample ID: 320-86779-42

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.7 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 14:17	RS1	TAL SAC
Total/NA	Prep	3535	DL		244.7 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			585417	05/05/22 13:21	RS1	TAL SAC

Client Sample ID: DUP-06-202204

Lab Sample ID: 320-86779-43

Date Collected: 04/12/22 00:00

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272 mL	10.0 mL	584415	05/01/22 16:24	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584504	05/02/22 14:28	RS1	TAL SAC

Client Sample ID: MP-01-EB-202204

Lab Sample ID: 320-86779-44

Date Collected: 04/12/22 15:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.6 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 15:59	D1R	TAL SAC

Client Sample ID: MP-02-EB-202204

Lab Sample ID: 320-86779-45

Date Collected: 04/12/22 12:50

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.5 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 16:09	D1R	TAL SAC

Client Sample ID: MP-03-EB-202204

Lab Sample ID: 320-86779-46

Date Collected: 04/12/22 08:45

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.9 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 16:19	D1R	TAL SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

Client Sample ID: MP-04-EB-202204

Lab Sample ID: 320-86779-47

Date Collected: 04/12/22 14:45

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 16:29	D1R	TAL SAC

Client Sample ID: MP-05-EB-202204

Lab Sample ID: 320-86779-48

Date Collected: 04/12/22 14:30

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.2 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			585153	05/04/22 18:41	K1S	TAL SAC

Client Sample ID: MW-07-EB-202204

Lab Sample ID: 320-86779-49

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.4 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			585153	05/04/22 18:51	K1S	TAL SAC

Client Sample ID: FB-01-202204

Lab Sample ID: 320-86779-50

Date Collected: 04/12/22 10:55

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			257.6 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 16:59	D1R	TAL SAC

Client Sample ID: FB-02-202204

Lab Sample ID: 320-86779-51

Date Collected: 04/12/22 10:40

Matrix: Water

Date Received: 04/14/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			286.8 mL	10.0 mL	584421	05/01/22 16:37	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			584507	05/02/22 17:40	D1R	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-17-23
Kansas	NELAP	E-10375	10-31-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-02-23
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	01-23-23
Utah	NELAP	CA000442021-12	03-01-22 *
Virginia	NELAP	460278	03-14-23
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-86779-1

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

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

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Sample Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-86779-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-86779-1	MP-01-(051-088)-202204	Water	04/12/22 18:35	04/14/22 10:45
320-86779-2	MP-01-(091-118)-202204	Water	04/12/22 18:15	04/14/22 10:45
320-86779-3	MP-01-(121-152)-202204	Water	04/12/22 18:05	04/14/22 10:45
320-86779-4	MP-01-(155-195)-202204	Water	04/12/22 17:50	04/14/22 10:45
320-86779-5	MP-01-(198-220)-202204	Water	04/12/22 17:30	04/14/22 10:45
320-86779-6	MP-01-(223-250)-202204	Water	04/12/22 17:05	04/14/22 10:45
320-86779-7	MP-01-(253-274)-202204	Water	04/12/22 16:55	04/14/22 10:45
320-86779-8	MP-01-(277-293)-202204	Water	04/12/22 16:35	04/14/22 10:45
320-86779-9	MP-02-(153-195)-202204	Water	04/12/22 14:50	04/14/22 10:45
320-86779-10	MP-02-(198-220)-202204	Water	04/12/22 14:05	04/14/22 10:45
320-86779-11	MP-02-(223-250)-202204	Water	04/12/22 13:35	04/14/22 10:45
320-86779-12	MP-02-(253-276)-202204	Water	04/12/22 13:25	04/14/22 10:45
320-86779-13	MP-02-(279-300)-202204	Water	04/12/22 13:05	04/14/22 10:45
320-86779-14	MP-03-(046-080)-202204	Water	04/12/22 12:25	04/14/22 10:45
320-86779-15	MP-03-(083-117)-202204	Water	04/12/22 12:05	04/14/22 10:45
320-86779-16	MP-03-(120-157)-202204	Water	04/12/22 11:50	04/14/22 10:45
320-86779-17	MP-03-(160-187)-202204	Water	04/12/22 11:35	04/14/22 10:45
320-86779-18	MP-03-(190-217)-202204	Water	04/12/22 11:05	04/14/22 10:45
320-86779-19	MP-03-(220-242)-202204	Water	04/12/22 10:40	04/14/22 10:45
320-86779-20	MP-03-(245-277)-202204	Water	04/12/22 09:55	04/14/22 10:45
320-86779-21	MP-03-(280-300)-202204	Water	04/12/22 09:15	04/14/22 10:45
320-86779-22	MP-04-(048-077)-202204	Water	04/11/22 16:10	04/14/22 10:45
320-86779-23	MP-04-(080-112)-202204	Water	04/11/22 17:35	04/14/22 10:45
320-86779-24	MP-04-(115-152)-202204	Water	04/11/22 17:15	04/14/22 10:45
320-86779-25	MP-04-(155-192)-202204	Water	04/11/22 17:00	04/14/22 10:45
320-86779-26	MP-04-(195-217)-202204	Water	04/11/22 16:25	04/14/22 10:45
320-86779-27	MP-04-(220-242)-202204	Water	04/11/22 16:05	04/14/22 10:45
320-86779-28	MP-04-(245-272)-202204	Water	04/11/22 15:45	04/14/22 10:45
320-86779-29	MP-04-(275-291)-202204	Water	04/11/22 15:20	04/14/22 10:45
320-86779-30	MP-05-(SWL-065)-202204	Water	04/11/22 13:30	04/14/22 10:45
320-86779-31	MW-01-202204	Water	04/12/22 14:45	04/14/22 10:45
320-86779-32	MW-03-202204	Water	04/12/22 12:55	04/14/22 10:45
320-86779-33	MW-04-202204	Water	04/12/22 17:52	04/14/22 10:45
320-86779-34	MW-05-202204	Water	04/12/22 16:10	04/14/22 10:45
320-86779-35	MW-06-202204	Water	04/12/22 11:50	04/14/22 10:45
320-86779-36	MW-07-202204	Water	04/12/22 10:40	04/14/22 10:45
320-86779-37	PZ-01-202204	Water	04/12/22 18:55	04/14/22 10:45
320-86779-38	DUP-01-202204	Water	04/11/22 00:00	04/14/22 10:45
320-86779-39	DUP-02-202204	Water	04/11/22 00:00	04/14/22 10:45
320-86779-40	DUP-03-202204	Water	04/12/22 00:00	04/14/22 10:45
320-86779-41	DUP-04-202204	Water	04/12/22 00:00	04/14/22 10:45
320-86779-42	DUP-05-202204	Water	04/12/22 00:00	04/14/22 10:45
320-86779-43	DUP-06-202204	Water	04/12/22 00:00	04/14/22 10:45
320-86779-44	MP-01-EB-202204	Water	04/12/22 15:55	04/14/22 10:45
320-86779-45	MP-02-EB-202204	Water	04/12/22 12:50	04/14/22 10:45
320-86779-46	MP-03-EB-202204	Water	04/12/22 08:45	04/14/22 10:45
320-86779-47	MP-04-EB-202204	Water	04/12/22 14:45	04/14/22 10:45
320-86779-48	MP-05-EB-202204	Water	04/12/22 14:30	04/14/22 10:45
320-86779-49	MW-07-EB-202204	Water	04/12/22 10:40	04/14/22 10:45
320-86779-50	FB-01-202204	Water	04/12/22 10:55	04/14/22 10:45
320-86779-51	FB-02-202204	Water	04/12/22 10:40	04/14/22 10:45



Address: _____

TAL-8210

Regulatory Program: DW NPDES RCRA Other: _____

Project Manager: **Jeff Ramey** Date: **4/13/2022** COC No: **1** of **5** COCs
 Tell Email: **J.Ramey@trccompanies.com** Carrier: **FedEx**

Client Contact: **TRC** Lab Contact: **DANA ALTHACKER**
 Address: **6737 W. Washington St., Suite 2100**
 City/State/Zip: **West Allis, WI 53214**
 Phone: **(414) 294-9247**
 Fax: _____
 Project Name: **RockGen Ph 2**
 Site: **RockGen**
 P O # **178804**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS (W-33)	Sample Specific Notes:
						CALENDAR DAYS	WORKING DAYS				
MP-01 - (051-088) - 202204	4/12/22	18:35	G	GW	2			N	N	X	
MP-01 - (091-118) - 202204	4/12/22	18:15						N	N	X	
MP-01 - (121-152) - 202204	4/12/22	18:05						N	N	X	
MP-01 - (155-195) - 202204	4/12/22	17:50						N	N	X	
MP-01 - (198-220) - 202204	4/12/22	17:30						N	N	X	
MP-01 - (223-250) - 202204	4/12/22	17:05						N	N	X	
MP-01 - (253-274) - 202204	4/12/22	16:55						N	N	X	
MP-01 - (277-293) - 202204	4/12/22	16:35						N	N	X	
MP-02 - (153-195) - 202204	4/12/22	14:50						N	N	X	
MP-02 - (198-220) - 202204	4/12/22	14:05						N	N	X	
MP-02 - (223-250) - 202204	4/12/22	13:35						N	N	X	
MP-02 - (253-274) - 202204	4/12/22	13:25						N	N	X	



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

Special Instructions/QC Requirements & Comments:
 Notes: **Not able to sample MW-02 (purged dry)**
 Custody Seal No: **1689286**
 Company: **TRC**
 Date/Time: **4/13 at 14:00**

Relinquished by: **Maxwell**
 Relinquished by: _____
 Relinquished by: _____
 Date/Time: _____
 Date/Time: _____
 Date/Time: _____

★ DARK COLORED SAMPLES • 1 OF 2 NOT FILLED



TAL-8210

Regulatory Program: DW NPDES RCRA Other: _____

Company Name: TRC
 Address: 6737 W. Washington St, Suite 2100
 City/State/Zip: West Allis, WI 53214
 Phone: (414) 294-9247
 Fax: _____
 Project Name: Rockben Ph 2
 Site: Rockben
 P O #: 178804

Client Contact
 Regulatory Manager: Jeff Ramey
 Tell/Email: JRamey@trc.companies.com
 Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

Site Contact:
 Lab Contact: Althacker
 Date: 4/13/2022
 Carrier: FedEx
 COC No: 2 of 5 COCS
 Sampler: _____
 For Lab Use Only:
 Walk-in Client: _____
 Lab Sampling: _____
 Job / SDG No.: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
MP-02 - (279-300) - 202204	4/12/22	12:05	G	GW	2	N	N	
MP-03 - (046-080) - 202204	4/12/22	12:25				N	N	
MP-03 - (083-117) - 202204	4/12/22	12:05				N	N	
MP-03 - (120-157) - 202204	4/12/22	11:50				N	N	
MP-03 - (160-187) - 202204	4/12/22	11:35				N	N	
MP-03 - (190-217) - 202204	4/12/22	11:05				N	N	
MP-03 - (220-242) - 202204	4/12/22	10:40				N	N	
MP-03 - (245-277) - 202204	4/12/22	9:55				N	N	
MP-03 - (250-300) - 202204	4/12/22	9:15				N	N	
MP-04 - (275-048-077) - 202204	4/11/22	16:10				N	N	
MP-04 - (080-112) - 202204	4/11/22	17:35				N	N	
MP-04 - (115-152) - 202204	4/11/22	17:15				N	N	

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

Special Instructions/QC Requirements & Comments: _____

Cooler Temp. (°C): Obs'd: 5.9
 Company: ETS
 Date/Time: 4-17-22 10:45

Received by: [Signature]
 Date/Time: 4/13/22 14:00

Received in Laboratory by: _____
 Date/Time: _____

Relinquished by: [Signature]
 Date/Time: _____

Relinquished by: _____
 Date/Time: _____

Therm ID No.: 106
 Date/Time: _____

Company: _____
 Date/Time: _____

Company: _____
 Date/Time: _____

Company: _____
 Date/Time: _____

Chain of Custody Record

601814



Environment Testing
TestAmerica

TAL-8210

Regulatory Program: DW NPDES RCRA Other:

Project Manager: **J. Kamey** Date: **4/13/2022** COC No: **3** of **5** COCs

Tell/Email: **J. Kamey (The Company) es. com** Lab Contact: **All tracks** Carrier: **F. A. E. Y.** Sampler:

Analysis Turnaround Time: CALENDAR DAYS WORKING DAYS

TAT if different from Below: 2 weeks 1 week 2 days 1 day

Project Name: **RockGen Ph 2** Site: **RockGen** Job / SDG No.:

PO # **178804**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
MP-04-(155-192) - 202204	4/11/22	17:00	G	GW	2	N	N	
MP-04-(195-217) - 202204	4/11/22	16:25						
MP-04-(220-242) - 202204	4/11/22	16:05						
MP-04-(245-272) - 202204	4/11/22	15:45						
MP-04-(275-291) - 202204	4/11/22	15:20						
MP-05-(5WL-065) - 202204	4/11/22	13:30						
MW-01-202204	4/12/22	14:45						
MW-03-202204	4/12/22	12:55						
MW-04-202204	4/12/22	17:52						
MW-05-202204	4/12/22	16:10						
MW-06-202204	4/12/22	11:50						
MW-07-202204	4/12/22	10:40						

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

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

Special Instructions/QC Requirements & Comments:

Custody Seal No.: **1689281** **1689287** Cooler Temp (°C): **3.7** Obs'd: **3.7** Corr'd: **3.7** Therm ID No: **L06** **L06**

Relinquished by: **MARCO** Date/Time: **4/13 at 14:00** Received by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received by: **SEASAC** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

Relinquished by: **[Signature]** Date/Time: **4/13 at 14:00** Received in Laboratory by: **[Signature]** Date/Time: **4/14-22 1045**

* DISCLOSED • 1 OF 2 NOT FILED





Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact
 Company Name: TRC
 Address: 6737 W Washington St, Suite 2100
 City/State/Zip: West Allis, WI 53214
 Phone: (414) 294-9247
 Fax: _____
 Project Name: RockGen Ph 2
 Site: Rockben
 PO # 178804

Project Manager: Jeff Ramsey
 Tel/Email: jramsey@trccompanies.com
 Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below _____
 2 weeks
 1 week
 2 days
 1 day

Site Contact: AllThruEx
 Date: 4/13/22
 Carrier: FedEx
 COC No: 4 of 5 COCS
 Sampler: _____
 For Lab Use Only:
 Walk-in Client:
 Lab Sampling:
 Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)		Sample Specific Notes:
						Perform MS / MSD (Y/N)	PTAS (Y/N)	
P2-01-202204	4/11/22	10:55	G	GW	2	N	X	
DUP-01-202204	4/11/22	-	-	GW	-	-	-	
DUP-02-202204	4/11/22	-	-	GW	-	-	-	
DUP-03-202204	4/12/22	-	-	GW	-	-	-	
DUP-04-202204	4/12/22	-	-	GW	-	-	-	
DUP-05-202204	4/12/22	-	-	GW	-	-	-	
DUP-06-202204	4/12/22	-	-	GW	-	-	-	
MP-01-EB-202204	4/12/22	15:55	-	W	-	-	-	
MP-02-EB-202204	4/12/22	12:50	-	W	-	-	-	
MP-03-EB-202204	4/12/22	8:45	-	W	-	-	-	
MP-04-EB-202204	4/11/22	14:45	-	W	-	-	-	
MP-05-EB-202204	4/11/22	14:30	-	W	-	-	-	

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

Possible Hazard Identification: Please list any 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

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client Disposal by Lab Archive for _____ Months

Company: TRC
 Custody Seal No.: 1689287
 Relinquished by: *Maxwell Kelly*
 Relinquished by: _____
 Relinquished by: _____

Company: EETSC
 Received by: *[Signature]*
 Received by: _____
 Received in Laboratory by: _____

Company: _____
 Received by: _____
 Received in Laboratory by: _____

Company: _____
 Received by: _____
 Received in Laboratory by: _____

Handwritten Notes:
 1689287
 1689286
 4.7 4.4
 1.3 1.3
 3.4 3.4
 Therm ID No.: L06
 Date/Time: 4-14-22 10:45
 Date/Time: _____
 Date/Time: _____
 Date/Time: _____

Handwritten Markings:
 * DISCLOSED *
 * 10P2 NOT FILED *



Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-86779-1

Login Number: 86779

List Source: Eurofins Sacramento

List Number: 1

Creator: Her, David A

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	1689281/1689287/1689286
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.	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.	False	Limited volume received.
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	