

ANALYTICAL REPORT

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Laboratory Job ID: 320-90474-1
Client Project/Site: 451482 RockGen
Revision: 1

For:
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Authorized for release by:
9/8/2022 12:25:26 PM

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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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	6
Client Sample Results	17
Isotope Dilution Summary	92
QC Sample Results	100
QC Association Summary	119
Lab Chronicle	124
Certification Summary	134
Method Summary	135
Sample Summary	136
Chain of Custody	137
Receipt Checklists	141



Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Qualifiers

LCMS

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job ID: 320-90474-1

Job ID: 320-90474-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative 320-90474-1

Revision 9-8-2022: This report has been revised to correct sampling dates.

Receipt

The samples were received on 7/29/2022 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5° C, 1.5° C and 1.5° C.

Receipt Exceptions

The following samples have 1 of 2 containers with less than 250ml. MP-01-(091-118)-202207 (320-90474-7), MP-01-(051-088)-202207 (320-90474-8), MP-02-(153-195)-202207-B (320-90474-14), MP-03-(160-187)-202207 (320-90474-20), MP-03-(083-117)-202207 (320-90474-22), MP-03-(046-080)-202207 (320-90474-23), MP-04-(080-112)-202207 (320-90474-30), MP-04-(048-077)-202207 (320-90474-31), MP-05-(SWL-065)-202207 (320-90474-32), DUP-03-202207 (320-90474-35) and DUP-04-202207 (320-90474-36)

LCMS

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-01-(051-088)-202207 (320-90474-8). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The client was contacted and gave permission to report.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-03-(190-217)-202207 (320-90474-19) and MP-04-(275-291)-202207 (320-90474-24). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: DUP-04-202207 (320-90474-36). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-04-202207 (320-90474-46). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Results for samples MP-01-(198-220)-202207 (320-90474-4), MP-01-(155-195)-202207 (320-90474-5), MP-01-(121-152)-202207 (320-90474-6) and MP-01-(091-118)-202207 (320-90474-7) 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-01-(051-088)-202207 (320-90474-8), MP-02-(198-220)-202207 (320-90474-12), MP-02-(153-195)-202207-A (320-90474-13), MP-02-(153-195)-202207-B (320-90474-14), MP-03-(160-187)-202207 (320-90474-20), DUP-02-202207 (320-90474-34), MW-04-202207 (320-90474-46), MW-05-202207 (320-90474-47), DUP-06-202207 (320-90474-51) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

Method 537 (modified): Results for samples MP-04-(155-192)-202207 (320-90474-28), MP-04-(115-152)-202207 (320-90474-29), MP-04-(080-112)-202207 (320-90474-30), DUP-02-202207 (320-90474-34), DUP-04-202207 (320-90474-36), MW-01-202207 (320-90474-43) and MW-02-202207 (320-90474-44) 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-(155-195)-202207 (320-90474-5) and MP-01-(121-152)-202207 (320-90474-6). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Case Narrative

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Job ID: 320-90474-1 (Continued)

Laboratory: Eurofins Sacramento (Continued)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(155-195)-202207 (320-90474-5) and MP-01-(121-152)-202207 (320-90474-6). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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

General Chemistry

Method SM 2540D: The following samples in analytical batch 320-606825 were diluted due to the nature of the sample matrix: MP-02-(153-195)-202207-C (320-90474-15) and (320-90474-A-15 DU). The samples were brown and had sediment. Elevated reporting limits (RLs) are provided.

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-611089.

Method 3535: The following samples in preparation batch 320-611089 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-05-(SWL-065)-202207 (320-90474-32) and DUP-01-202207 (320-90474-33)

Method 3535: The following samples in preparation batch 320-611098 were observed to have floating sediment present in the sample bottle prior to extraction. <AffectedSample>

Method 3535: During the solid phase extraction process, the following sample contained non-settable sediment which clogged the solid phase extraction column: MW-05-202207 (320-90474-47).
preparation batch 320-611098

Method 3535: During the solid phase extraction process, the following samples contained non-settable sediment which clogged the solid phase extraction column: MP-05-(SWL-065)-202207 (320-90474-32) and DUP-01-202207 (320-90474-33).
preparation batch 320-611089

Method 3535: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: MP-04-(080-112)-202207 (320-90474-30), DUP-01-202207 (320-90474-33) and DUP-03-202207 (320-90474-35).
preparation batch 320-611089

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-611158.

Method 3535: The following samples in preparation batch 320-611158 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. MP-02-(153-195)-202207-A (320-90474-13) and MP-02-(153-195)-202207-B (320-90474-14)

Method 3535: During the solid phase extraction process, the following samples contained non-settable particulates which clogged the solid phase extraction column: MP-02-(153-195)-202207-A (320-90474-13), MP-02-(153-195)-202207-B (320-90474-14) and MP-03-(220-242)-202207 (320-90474-18).
preparation batch 320-611158

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-611333.
preparation batch 320-611333

Method 3535: The following samples in preparation batch 320-611333 were yellow in color following extraction: MP-01-(253-274)-202207 (320-90474-2)

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-611098.

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: 320-90474-1

Client Sample ID: MP-01-(277-293)-202207

Lab Sample ID: 320-90474-1

No Detections.

Client Sample ID: MP-01-(253-274)-202207

Lab Sample ID: 320-90474-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.7		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	20		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.0		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	16		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.83	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.4	J	2.1	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	250		5.2	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	15		2.1	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(223-250)-202207

Lab Sample ID: 320-90474-3

No Detections.

Client Sample ID: MP-01-(198-220)-202207

Lab Sample ID: 320-90474-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	100		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	75		2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	29		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	55		2.1	0.89	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.9		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.37	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.1	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	6.0		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	46		2.1	0.48	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	850		26	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-01-(155-195)-202207

Lab Sample ID: 320-90474-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	370		5.9	2.8	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	59		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	3.2		2.4	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.84	J	2.4	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.1		2.4	0.67	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		2.4	0.64	ng/L	1		537 (modified)	Total/NA
4:2 FTS	89		2.4	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1700		120	29	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		120	34	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	510		120	15	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1000		120	50	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	9500		300	150	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	490		120	27	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: 320-90474-1

Client Sample ID: MP-01-(121-152)-202207

Lab Sample ID: 320-90474-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	360		5.4	2.6	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	65		2.2	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	3.2		2.2	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.84	J	2.2	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.3		2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	18		2.2	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	89		2.2	0.26	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1700		110	26	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1300		110	31	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	580		110	13	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1200		110	46	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	8800		270	130	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	500		110	25	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MP-01-(091-118)-202207

Lab Sample ID: 320-90474-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	120		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	180		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	330		2.0	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	18		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.3		2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.33	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.8	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.9		2.0	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	27		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	320		2.0	0.45	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	530		39	9.6	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	440		39	11	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3000		98	49	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(051-088)-202207

Lab Sample ID: 320-90474-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	100		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	33		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.1	J	1.9	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.0	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.6		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	21		1.9	0.51	ng/L	1		537 (modified)	Total/NA
4:2 FTS	120		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	590		240	110	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	2600		95	23	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	2300		95	28	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	1200		95	12	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	2100		95	40	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	6400		240	120	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	2800		95	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: 320-90474-1

Client Sample ID: MP-02-(279-300)-202207

Lab Sample ID: 320-90474-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.3	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.93	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.47	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.3	J	4.9	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.71	J	2.0	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-(253-276)-202207

Lab Sample ID: 320-90474-10

No Detections.

Client Sample ID: MP-02-(223-250)-202207

Lab Sample ID: 320-90474-11

No Detections.

Client Sample ID: MP-02-(198-220)-202207

Lab Sample ID: 320-90474-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	33		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	160		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	92		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	31		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	30		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.84	J	2.0	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.9		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	15		2.0	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	540		25	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202207-A

Lab Sample ID: 320-90474-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	66		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	310		1.9	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	210		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	94		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	79		1.9	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.4	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.42	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.85	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		1.9	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.5		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	26		1.9	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	600		24	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202207-B

Lab Sample ID: 320-90474-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	67		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	310		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)	94		2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	89		2.0	0.83	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: 320-90474-1

Client Sample ID: MP-02-(153-195)-202207-B (Continued)

Lab Sample ID: 320-90474-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	12		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.4	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.30	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.78	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		2.0	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.2		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	27		2.0	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	520		24	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-02-(153-195)-202207-C

Lab Sample ID: 320-90474-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	2900		250	250	mg/L	1		SM 2540D	Total/NA

Client Sample ID: MP-03-(280-300)-202207

Lab Sample ID: 320-90474-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.92	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(245-277)-202207

Lab Sample ID: 320-90474-17

No Detections.

Client Sample ID: MP-03-(220-242)-202207

Lab Sample ID: 320-90474-18

No Detections.

Client Sample ID: MP-03-(190-217)-202207

Lab Sample ID: 320-90474-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	4.3		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.4	J	1.9	0.81	ng/L	1		537 (modified)	Total/NA
6:2 FTS	14		4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.2		1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(160-187)-202207

Lab Sample ID: 320-90474-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	57		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	320		1.9	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	75		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	72		1.9	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.5		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.63	J	1.9	0.30	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)	0.82	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.1		1.9	0.52	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.5		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	26		1.9	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	450		24	12	ng/L	5		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(120-157)-202207

Lab Sample ID: 320-90474-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	18		5.1	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	30		2.1	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	17		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.5		2.1	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.58	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.53	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.7		2.1	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.6	J	2.1	1.0	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(083-117)-202207

Lab Sample ID: 320-90474-22

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)	51		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	52		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	19		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.3		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.73	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.53	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	10		4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	25		1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(046-080)-202207

Lab Sample ID: 320-90474-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	22		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	69		1.9	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	34		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	53		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		1.9	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.45	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.59	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.9		4.9	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	7.9		1.9	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(275-291)-202207

Lab Sample ID: 320-90474-24

No Detections.

Client Sample ID: MP-04-(245-272)-202207

Lab Sample ID: 320-90474-25

No Detections.

Client Sample ID: MP-04-(220-242)-202207

Lab Sample ID: 320-90474-26

No Detections.

Client Sample ID: MP-04-(195-217)-202207

Lab Sample ID: 320-90474-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.7	J	5.4	2.6	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(195-217)-202207 (Continued)

Lab Sample ID: 320-90474-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	16		2.2	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		2.2	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.1		2.2	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.0		2.2	0.91	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.3	J	2.2	0.26	ng/L	1		537 (modified)	Total/NA
6:2 FTS	120		5.4	2.7	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.3	J	2.2	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(155-192)-202207

Lab Sample ID: 320-90474-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	26		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	110		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	77		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	26		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	26		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.60	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.0		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	21		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	430		25	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(115-152)-202207

Lab Sample ID: 320-90474-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	190		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	170		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	240		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.69	J	2.0	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.74	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.5		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	60		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	130		2.0	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	960		41	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	690		41	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3700		100	51	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-04-(080-112)-202207

Lab Sample ID: 320-90474-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	110		6.4	3.1	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	350		2.6	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	77		2.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	93		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.1		2.6	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.54	J	2.6	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	2.6	0.73	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.6	0.69	ng/L	1		537 (modified)	Total/NA
4:2 FTS	20		2.6	0.31	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: 320-90474-1

Client Sample ID: MP-04-(080-112)-202207 (Continued)

Lab Sample ID: 320-90474-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	7.0		2.6	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	740		13	3.1	ng/L	5		537 (modified)	Total/NA
6:2 FTS - DL	1100		32	16	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(048-077)-202207

Lab Sample ID: 320-90474-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	11		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	30		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.0		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.0		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.74	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
4:2 FTS	0.58	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.4		4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.97	J	1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-05-(SWL-065)-202207

Lab Sample ID: 320-90474-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	19		4.7	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	46		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	28		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.4		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.34	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-01-202207

Lab Sample ID: 320-90474-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	19		6.5	3.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	46		2.6	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.6	0.75	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.4		2.6	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.49	J	2.6	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.65	J	2.6	0.26	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-02-202207

Lab Sample ID: 320-90474-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	190		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	170		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	250		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	14		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.99	J	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)	0.84	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.8		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7		1.9	0.52	ng/L	1		537 (modified)	Total/NA
4:2 FTS	61		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: 320-90474-1

Client Sample ID: DUP-02-202207 (Continued)

Lab Sample ID: 320-90474-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	180		1.9	0.44	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	920		38	9.4	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	690		38	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: DUP-03-202207

Lab Sample ID: 320-90474-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	52		6.3	3.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	330		2.5	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	160		2.5	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	72		2.5	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	68		2.5	1.1	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.1		2.5	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.55	J	2.5	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.26	J	2.5	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.76	J	2.5	0.72	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	2.5	0.69	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.5		2.5	0.30	ng/L	1		537 (modified)	Total/NA
6:2 FTS	370		6.3	3.2	ng/L	1		537 (modified)	Total/NA
8:2 FTS	23		2.5	0.58	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-04-202207

Lab Sample ID: 320-90474-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	18		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	95		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	69		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	49		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.5		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.92	J	2.0	0.53	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.9		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	46		2.0	0.45	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	750		25	12	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-01-EB-202207

Lab Sample ID: 320-90474-37

No Detections.

Client Sample ID: MP-02-EB-202207

Lab Sample ID: 320-90474-38

No Detections.

Client Sample ID: MP-03-EB-202207

Lab Sample ID: 320-90474-39

No Detections.

Client Sample ID: MP-04-EB-202207

Lab Sample ID: 320-90474-40

No Detections.

Client Sample ID: MP-05-EB-202207

Lab Sample ID: 320-90474-41

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: 320-90474-1

Client Sample ID: FB-01-202207

Lab Sample ID: 320-90474-42

No Detections.

Client Sample ID: MW-01-202207

Lab Sample ID: 320-90474-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	260		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	360		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	110		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	12		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.84	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.91	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.8		1.8	0.49	ng/L	1		537 (modified)	Total/NA
8:2 FTS	13		1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1100		18	4.5	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	680		18	5.3	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	640		46	23	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MW-02-202207

Lab Sample ID: 320-90474-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	230		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	220		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	160		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	13		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.66	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.44	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.0		1.8	0.22	ng/L	1		537 (modified)	Total/NA
8:2 FTS	28		1.8	0.41	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1000		18	4.4	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	650		18	5.2	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1100		45	23	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MW-03-202207

Lab Sample ID: 320-90474-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	10		4.5	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.9		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.79	J	1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.99	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-04-202207

Lab Sample ID: 320-90474-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	91		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	46		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.1		1.8	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.76	J	1.8	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.54	J	1.8	0.27	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: 320-90474-1

Client Sample ID: MW-04-202207 (Continued)

Lab Sample ID: 320-90474-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	4.3		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	34		1.8	0.48	ng/L	1		537 (modified)	Total/NA
4:2 FTS	74		1.8	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	430		220	110	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1800		89	22	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1700		89	26	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	760		89	11	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	1500		89	38	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	6200		220	110	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	4100		89	21	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MW-05-202207

Lab Sample ID: 320-90474-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	50		4.2	2.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	210		1.7	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	140		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	120		1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	110		1.7	0.72	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		1.7	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	3.2		1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.54	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.53	J	1.7	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.1		1.7	0.46	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.3		1.7	0.20	ng/L	1		537 (modified)	Total/NA
8:2 FTS	290		1.7	0.39	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	470		21	11	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MW-06-202207

Lab Sample ID: 320-90474-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.88	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-07-202207

Lab Sample ID: 320-90474-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	13		1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-01-202207

Lab Sample ID: 320-90474-50

No Detections.

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	51		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	210		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	150		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	11		1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	3.2		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.51	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.54	J	1.8	0.51	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: 320-90474-1

Client Sample ID: DUP-06-202207 (Continued)

Lab Sample ID: 320-90474-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	5.5		1.8	0.48	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.5		1.8	0.22	ng/L	1		537 (modified)	Total/NA
8:2 FTS	310		1.8	0.41	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	410		22	11	ng/L	5		537 (modified)	Total/NA

Client Sample ID: FB-02-202207

Lab Sample ID: 320-90474-52

No Detections.

Client Sample ID: EB-01-202207

Lab Sample ID: 320-90474-53

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(277-293)-202207

Lab Sample ID: 320-90474-1

Date Collected: 07/27/22 14:40

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorohexanoic acid (PFHxA)	<0.61		2.1	0.61	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:08	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:08	1
NEtFOSA	<0.92		2.1	0.92	ng/L		08/22/22 19:26	08/24/22 01:08	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/22/22 19:26	08/24/22 01:08	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/22/22 19:26	08/24/22 01:08	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/22/22 19:26	08/24/22 01:08	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/22/22 19:26	08/24/22 01:08	1
NEtFOSE	<0.90		2.1	0.90	ng/L		08/22/22 19:26	08/24/22 01:08	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/22/22 19:26	08/24/22 01:08	1
6:2 FTS	<2.6		5.3	2.6	ng/L		08/22/22 19:26	08/24/22 01:08	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/22/22 19:26	08/24/22 01:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/22/22 19:26	08/24/22 01:08	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/22/22 19:26	08/24/22 01:08	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/22/22 19:26	08/24/22 01:08	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/24/22 01:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C5 PFPeA	91		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C2 PFHxA	96		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C4 PFHpA	96		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C4 PFOA	98		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C5 PFNA	101		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C2 PFDA	97		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C2 PFUnA	95		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C2 PFDoA	91		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C2 PFTeDA	95		25 - 150				08/22/22 19:26	08/24/22 01:08	1
13C3 PFBS	92		25 - 150				08/22/22 19:26	08/24/22 01:08	1
18O2 PFHxS	104		25 - 150				08/22/22 19:26	08/24/22 01:08	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(277-293)-202207

Lab Sample ID: 320-90474-1

Date Collected: 07/27/22 14:40

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	97		25 - 150	08/22/22 19:26	08/24/22 01:08	1
13C8 FOSA	98		10 - 150	08/22/22 19:26	08/24/22 01:08	1
d3-NMeFOSAA	99		25 - 150	08/22/22 19:26	08/24/22 01:08	1
d5-NEtFOSAA	105		25 - 150	08/22/22 19:26	08/24/22 01:08	1
d-N-MeFOSA-M	81		10 - 150	08/22/22 19:26	08/24/22 01:08	1
d-N-EtFOSA-M	82		10 - 150	08/22/22 19:26	08/24/22 01:08	1
d7-N-MeFOSE-M	78		10 - 150	08/22/22 19:26	08/24/22 01:08	1
d9-N-EtFOSE-M	75		10 - 150	08/22/22 19:26	08/24/22 01:08	1
M2-4:2 FTS	110		25 - 150	08/22/22 19:26	08/24/22 01:08	1
M2-6:2 FTS	106		25 - 150	08/22/22 19:26	08/24/22 01:08	1
M2-8:2 FTS	121		25 - 150	08/22/22 19:26	08/24/22 01:08	1
13C3 HFPO-DA	91		25 - 150	08/22/22 19:26	08/24/22 01:08	1
13C2 10:2 FTS	108		25 - 150	08/22/22 19:26	08/24/22 01:08	1

Client Sample ID: MP-01-(253-274)-202207

Lab Sample ID: 320-90474-2

Date Collected: 07/27/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.7		5.2	2.5	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluoropentanoic acid (PFPeA)	27		2.1	0.51	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorohexanoic acid (PFHxA)	20		2.1	0.60	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluoroheptanoic acid (PFHpA)	8.0		2.1	0.26	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorooctanoic acid (PFOA)	16		2.1	0.88	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorononanoic acid (PFNA)	0.83	J	2.1	0.28	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:19	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:19	1
NEtFOSA	<0.90		2.1	0.90	ng/L		08/22/22 19:26	08/24/22 01:19	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/22/22 19:26	08/24/22 01:19	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		08/22/22 19:26	08/24/22 01:19	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		08/22/22 19:26	08/24/22 01:19	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/22/22 19:26	08/24/22 01:19	1
NEtFOSE	<0.88		2.1	0.88	ng/L		08/22/22 19:26	08/24/22 01:19	1
4:2 FTS	1.4	J	2.1	0.25	ng/L		08/22/22 19:26	08/24/22 01:19	1
6:2 FTS	250		5.2	2.6	ng/L		08/22/22 19:26	08/24/22 01:19	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(253-274)-202207

Lab Sample ID: 320-90474-2

Date Collected: 07/27/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	15		2.1	0.48	ng/L		08/22/22 19:26	08/24/22 01:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/22/22 19:26	08/24/22 01:19	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/22/22 19:26	08/24/22 01:19	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/22/22 19:26	08/24/22 01:19	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		08/22/22 19:26	08/24/22 01:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C5 PFPeA	93		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 PFHxA	105		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C4 PFHpA	95		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C4 PFOA	102		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C5 PFNA	103		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 PFDA	100		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 PFUnA	95		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 PFDoA	95		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 PFTeDA	88		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C3 PFBS	93		25 - 150				08/22/22 19:26	08/24/22 01:19	1
18O2 PFHxS	104		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C4 PFOS	102		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C8 FOSA	98		10 - 150				08/22/22 19:26	08/24/22 01:19	1
d3-NMeFOSAA	100		25 - 150				08/22/22 19:26	08/24/22 01:19	1
d5-NEtFOSAA	107		25 - 150				08/22/22 19:26	08/24/22 01:19	1
d-N-MeFOSA-M	89		10 - 150				08/22/22 19:26	08/24/22 01:19	1
d-N-EtFOSA-M	79		10 - 150				08/22/22 19:26	08/24/22 01:19	1
d7-N-MeFOSE-M	72		10 - 150				08/22/22 19:26	08/24/22 01:19	1
d9-N-EtFOSE-M	72		10 - 150				08/22/22 19:26	08/24/22 01:19	1
M2-4:2 FTS	111		25 - 150				08/22/22 19:26	08/24/22 01:19	1
M2-6:2 FTS	101		25 - 150				08/22/22 19:26	08/24/22 01:19	1
M2-8:2 FTS	107		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C3 HFPO-DA	90		25 - 150				08/22/22 19:26	08/24/22 01:19	1
13C2 10:2 FTS	97		25 - 150				08/22/22 19:26	08/24/22 01:19	1

Client Sample ID: MP-01-(223-250)-202207

Lab Sample ID: 320-90474-3

Date Collected: 07/27/22 15:10

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 19:26	08/24/22 01:29	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorooctanoic acid (PFOA)	<0.91		2.1	0.91	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		08/22/22 19:26	08/24/22 01:29	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(223-250)-202207

Lab Sample ID: 320-90474-3

Date Collected: 07/27/22 15:10

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.1	0.61	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.1	0.58	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.1	0.40	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:29	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/24/22 01:29	1
NEtFOSA	<0.93		2.1	0.93	ng/L		08/22/22 19:26	08/24/22 01:29	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/22/22 19:26	08/24/22 01:29	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/22/22 19:26	08/24/22 01:29	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/22/22 19:26	08/24/22 01:29	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/22/22 19:26	08/24/22 01:29	1
NEtFOSE	<0.91		2.1	0.91	ng/L		08/22/22 19:26	08/24/22 01:29	1
4:2 FTS	<0.26		2.1	0.26	ng/L		08/22/22 19:26	08/24/22 01:29	1
6:2 FTS	<2.7		5.4	2.7	ng/L		08/22/22 19:26	08/24/22 01:29	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/22/22 19:26	08/24/22 01:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		08/22/22 19:26	08/24/22 01:29	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/22/22 19:26	08/24/22 01:29	1
9CI-PF3ONS	<0.26		2.1	0.26	ng/L		08/22/22 19:26	08/24/22 01:29	1
11CI-PF3OUdS	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/24/22 01:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C5 PFPeA	101		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 PFHxA	104		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C4 PFHpA	99		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C4 PFOA	102		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C5 PFNA	105		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 PFDA	106		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 PFUnA	103		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 PFDoA	102		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 PFTeDA	109		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C3 PFBS	98		25 - 150	08/22/22 19:26	08/24/22 01:29	1
18O2 PFHxS	110		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C4 PFOS	109		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C8 FOSA	106		10 - 150	08/22/22 19:26	08/24/22 01:29	1
d3-NMeFOSAA	108		25 - 150	08/22/22 19:26	08/24/22 01:29	1
d5-NEtFOSAA	119		25 - 150	08/22/22 19:26	08/24/22 01:29	1
d-N-MeFOSA-M	89		10 - 150	08/22/22 19:26	08/24/22 01:29	1
d-N-EtFOSA-M	90		10 - 150	08/22/22 19:26	08/24/22 01:29	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 19:26	08/24/22 01:29	1
d9-N-EtFOSE-M	85		10 - 150	08/22/22 19:26	08/24/22 01:29	1
M2-4:2 FTS	116		25 - 150	08/22/22 19:26	08/24/22 01:29	1
M2-6:2 FTS	114		25 - 150	08/22/22 19:26	08/24/22 01:29	1
M2-8:2 FTS	136		25 - 150	08/22/22 19:26	08/24/22 01:29	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(223-250)-202207

Lab Sample ID: 320-90474-3

Date Collected: 07/27/22 15:10

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	96		25 - 150	08/22/22 19:26	08/24/22 01:29	1
13C2 10:2 FTS	121		25 - 150	08/22/22 19:26	08/24/22 01:29	1

Client Sample ID: MP-01-(198-220)-202207

Lab Sample ID: 320-90474-4

Date Collected: 07/27/22 15:30

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		5.2	2.5	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoropentanoic acid (PFPeA)	100		2.1	0.51	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorohexanoic acid (PFHxA)	75		2.1	0.61	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoroheptanoic acid (PFHpA)	29		2.1	0.26	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorooctanoic acid (PFOA)	55		2.1	0.89	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorononanoic acid (PFNA)	2.9		2.1	0.28	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorotridecanoic acid (PFTTrDA)	<1.4		2.1	1.4	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorobutanesulfonic acid (PFBS)	0.37	J	2.1	0.21	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.1	0.57	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluoronanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/25/22 16:43	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/22/22 19:26	08/25/22 16:43	1
NEtFOSA	<0.91		2.1	0.91	ng/L		08/22/22 19:26	08/25/22 16:43	1
NMeFOSA	<0.45		2.1	0.45	ng/L		08/22/22 19:26	08/25/22 16:43	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		08/22/22 19:26	08/25/22 16:43	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		08/22/22 19:26	08/25/22 16:43	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/22/22 19:26	08/25/22 16:43	1
NEtFOSE	<0.89		2.1	0.89	ng/L		08/22/22 19:26	08/25/22 16:43	1
4:2 FTS	6.0		2.1	0.25	ng/L		08/22/22 19:26	08/25/22 16:43	1
8:2 FTS	46		2.1	0.48	ng/L		08/22/22 19:26	08/25/22 16:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/22/22 19:26	08/25/22 16:43	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/22/22 19:26	08/25/22 16:43	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/22/22 19:26	08/25/22 16:43	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/22/22 19:26	08/25/22 16:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/22/22 19:26	08/25/22 16:43	1
13C5 PFPeA	94		25 - 150				08/22/22 19:26	08/25/22 16:43	1
13C2 PFHxA	101		25 - 150				08/22/22 19:26	08/25/22 16:43	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(198-220)-202207

Lab Sample ID: 320-90474-4

Date Collected: 07/27/22 15:30

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	98		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C4 PFOA	98		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C5 PFNA	99		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C2 PFDA	102		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C2 PFUnA	107		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C2 PFDoA	94		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C2 PFTeDA	100		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C3 PFBS	92		25 - 150	08/22/22 19:26	08/25/22 16:43	1
18O2 PFHxS	102		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C4 PFOS	99		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C8 FOSA	98		10 - 150	08/22/22 19:26	08/25/22 16:43	1
d3-NMeFOSAA	94		25 - 150	08/22/22 19:26	08/25/22 16:43	1
d5-NEtFOSAA	142		25 - 150	08/22/22 19:26	08/25/22 16:43	1
d-N-MeFOSA-M	81		10 - 150	08/22/22 19:26	08/25/22 16:43	1
d-N-EtFOSA-M	82		10 - 150	08/22/22 19:26	08/25/22 16:43	1
d7-N-MeFOSE-M	78		10 - 150	08/22/22 19:26	08/25/22 16:43	1
d9-N-EtFOSE-M	86		10 - 150	08/22/22 19:26	08/25/22 16:43	1
M2-4:2 FTS	103		25 - 150	08/22/22 19:26	08/25/22 16:43	1
M2-8:2 FTS	148		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C3 HFPO-DA	88		25 - 150	08/22/22 19:26	08/25/22 16:43	1
13C2 10:2 FTS	134		25 - 150	08/22/22 19:26	08/25/22 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	850		26	13	ng/L		08/22/22 19:26	08/25/22 16:33	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	103		25 - 150	08/22/22 19:26	08/25/22 16:33	5			

Client Sample ID: MP-01-(155-195)-202207

Lab Sample ID: 320-90474-5

Date Collected: 07/27/22 15:40

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	370		5.9	2.8	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorononanoic acid (PFNA)	59		2.4	0.32	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorodecanoic acid (PFDA)	3.2		2.4	0.37	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorododecanoic acid (PFDoA)	<0.65		2.4	0.65	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorotridecanoic acid (PFTTrDA)	<1.5		2.4	1.5	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.86		2.4	0.86	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	2.4	0.24	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluoropentanesulfonic acid (PFPeS)	0.84	J	2.4	0.35	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorohexanesulfonic acid (PFHxS)	6.1		2.4	0.67	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.22		2.4	0.22	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorooctanesulfonic acid (PFOS)	16		2.4	0.64	ng/L		08/22/22 19:26	08/24/22 01:49	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(155-195)-202207

Lab Sample ID: 320-90474-5

Date Collected: 07/27/22 15:40

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.4	1.1	ng/L		08/22/22 19:26	08/24/22 01:49	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		08/22/22 19:26	08/24/22 01:49	1
NEtFOSA	<1.0		2.4	1.0	ng/L		08/22/22 19:26	08/24/22 01:49	1
NMeFOSA	<0.51		2.4	0.51	ng/L		08/22/22 19:26	08/24/22 01:49	1
NMeFOSAA	<1.4		5.9	1.4	ng/L		08/22/22 19:26	08/24/22 01:49	1
NEtFOSAA	<1.5		5.9	1.5	ng/L		08/22/22 19:26	08/24/22 01:49	1
NMeFOSE	<1.7		4.7	1.7	ng/L		08/22/22 19:26	08/24/22 01:49	1
NEtFOSE	<1.0		2.4	1.0	ng/L		08/22/22 19:26	08/24/22 01:49	1
4:2 FTS	89		2.4	0.28	ng/L		08/22/22 19:26	08/24/22 01:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.4	0.47	ng/L		08/22/22 19:26	08/24/22 01:49	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		08/22/22 19:26	08/24/22 01:49	1
9Cl-PF3ONS	<0.28		2.4	0.28	ng/L		08/22/22 19:26	08/24/22 01:49	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		08/22/22 19:26	08/24/22 01:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	132		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C5 PFPeA	125		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 PFHxA	166	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C4 PFHpA	143		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C4 PFOA	98		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C5 PFNA	154	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 PFDA	146		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 PFUnA	149		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 PFDoA	148		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 PFTeDA	160	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C3 PFBS	134		25 - 150	08/22/22 19:26	08/24/22 01:49	1
18O2 PFHxS	151	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C4 PFOS	152	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C8 FOSA	145		10 - 150	08/22/22 19:26	08/24/22 01:49	1
d3-NMeFOSAA	160	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
d5-NEtFOSAA	169	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
d-N-MeFOSA-M	127		10 - 150	08/22/22 19:26	08/24/22 01:49	1
d-N-EtFOSA-M	129		10 - 150	08/22/22 19:26	08/24/22 01:49	1
d7-N-MeFOSE-M	126		10 - 150	08/22/22 19:26	08/24/22 01:49	1
d9-N-EtFOSE-M	127		10 - 150	08/22/22 19:26	08/24/22 01:49	1
M2-4:2 FTS	137		25 - 150	08/22/22 19:26	08/24/22 01:49	1
M2-6:2 FTS	146		25 - 150	08/22/22 19:26	08/24/22 01:49	1
M2-8:2 FTS	183	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C3 HFPO-DA	137		25 - 150	08/22/22 19:26	08/24/22 01:49	1
13C2 10:2 FTS	177	*5+	25 - 150	08/22/22 19:26	08/24/22 01:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1700		120	29	ng/L		08/22/22 19:26	08/25/22 17:03	50
Perfluorohexanoic acid (PFHxA)	1200		120	34	ng/L		08/22/22 19:26	08/25/22 17:03	50
Perfluoroheptanoic acid (PFHpA)	510		120	15	ng/L		08/22/22 19:26	08/25/22 17:03	50
Perfluorooctanoic acid (PFOA)	1000		120	50	ng/L		08/22/22 19:26	08/25/22 17:03	50

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(155-195)-202207

Lab Sample ID: 320-90474-5

Date Collected: 07/27/22 15:40

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	9500		300	150	ng/L		08/22/22 19:26	08/25/22 17:03	50
8:2 FTS	490		120	27	ng/L		08/22/22 19:26	08/25/22 17:03	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	91		25 - 150				08/22/22 19:26	08/25/22 17:03	50
13C2 PFHxA	101		25 - 150				08/22/22 19:26	08/25/22 17:03	50
13C4 PFHpA	96		25 - 150				08/22/22 19:26	08/25/22 17:03	50
13C4 PFOA	100		25 - 150				08/22/22 19:26	08/25/22 17:03	50
M2-6:2 FTS	169	*5+	25 - 150				08/22/22 19:26	08/25/22 17:03	50
M2-8:2 FTS	102		25 - 150				08/22/22 19:26	08/25/22 17:03	50

Client Sample ID: MP-01-(121-152)-202207

Lab Sample ID: 320-90474-6

Date Collected: 07/27/22 15:55

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	360		5.4	2.6	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorononanoic acid (PFNA)	65		2.2	0.29	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorodecanoic acid (PFDA)	3.2		2.2	0.33	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.2	0.22	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluoropentanesulfonic acid (PFPeS)	0.84	J	2.2	0.32	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorohexanesulfonic acid (PFHxS)	6.3		2.2	0.62	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.21		2.2	0.21	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorooctanesulfonic acid (PFOS)	18		2.2	0.58	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.35		2.2	0.35	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		08/22/22 19:26	08/24/22 01:59	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/22/22 19:26	08/24/22 01:59	1
NEtFOSA	<0.94		2.2	0.94	ng/L		08/22/22 19:26	08/24/22 01:59	1
NMeFOSA	<0.46		2.2	0.46	ng/L		08/22/22 19:26	08/24/22 01:59	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/22/22 19:26	08/24/22 01:59	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/22/22 19:26	08/24/22 01:59	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/22/22 19:26	08/24/22 01:59	1
NEtFOSE	<0.92		2.2	0.92	ng/L		08/22/22 19:26	08/24/22 01:59	1
4:2 FTS	89		2.2	0.26	ng/L		08/22/22 19:26	08/24/22 01:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/22/22 19:26	08/24/22 01:59	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/22/22 19:26	08/24/22 01:59	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/22/22 19:26	08/24/22 01:59	1
11CI-PF3OUdS	<0.35		2.2	0.35	ng/L		08/22/22 19:26	08/24/22 01:59	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(121-152)-202207

Lab Sample ID: 320-90474-6

Date Collected: 07/27/22 15:55

Matrix: Water

Date Received: 07/29/22 09:25

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	146		25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C5 PFPeA	132		25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 PFHxA	169	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C4 PFHpA	152	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C4 PFOA	98		25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C5 PFNA	167	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 PFDA	163	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 PFUnA	158	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 PFDoA	157	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 PFTeDA	177	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C3 PFBS	144		25 - 150	08/22/22 19:26	08/24/22 01:59	1
18O2 PFHxS	165	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C4 PFOS	154	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C8 FOSA	155	*5+	10 - 150	08/22/22 19:26	08/24/22 01:59	1
d3-NMeFOSAA	170	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
d5-NEtFOSAA	182	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
d-N-MeFOSA-M	147		10 - 150	08/22/22 19:26	08/24/22 01:59	1
d-N-EtFOSA-M	142		10 - 150	08/22/22 19:26	08/24/22 01:59	1
d7-N-MeFOSE-M	134		10 - 150	08/22/22 19:26	08/24/22 01:59	1
d9-N-EtFOSE-M	136		10 - 150	08/22/22 19:26	08/24/22 01:59	1
M2-4:2 FTS	144		25 - 150	08/22/22 19:26	08/24/22 01:59	1
M2-6:2 FTS	155	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
M2-8:2 FTS	177	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C3 HFPO-DA	150		25 - 150	08/22/22 19:26	08/24/22 01:59	1
13C2 10:2 FTS	171	*5+	25 - 150	08/22/22 19:26	08/24/22 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1700		110	26	ng/L		08/22/22 19:26	08/25/22 17:13	50
Perfluorohexanoic acid (PFHxA)	1300		110	31	ng/L		08/22/22 19:26	08/25/22 17:13	50
Perfluoroheptanoic acid (PFHpA)	580		110	13	ng/L		08/22/22 19:26	08/25/22 17:13	50
Perfluorooctanoic acid (PFOA)	1200		110	46	ng/L		08/22/22 19:26	08/25/22 17:13	50
6:2 FTS	8800		270	130	ng/L		08/22/22 19:26	08/25/22 17:13	50
8:2 FTS	500		110	25	ng/L		08/22/22 19:26	08/25/22 17:13	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	89		25 - 150	08/22/22 19:26	08/25/22 17:13	50
13C2 PFHxA	93		25 - 150	08/22/22 19:26	08/25/22 17:13	50
13C4 PFHpA	90		25 - 150	08/22/22 19:26	08/25/22 17:13	50
13C4 PFOA	93		25 - 150	08/22/22 19:26	08/25/22 17:13	50
M2-6:2 FTS	191	*5+	25 - 150	08/22/22 19:26	08/25/22 17:13	50
M2-8:2 FTS	85		25 - 150	08/22/22 19:26	08/25/22 17:13	50

Client Sample ID: MP-01-(091-118)-202207

Lab Sample ID: 320-90474-7

Date Collected: 07/27/22 16:05

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	120		4.9	2.4	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluoroheptanoic acid (PFHpA)	180		2.0	0.25	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorooctanoic acid (PFOA)	330		2.0	0.83	ng/L		08/22/22 19:26	08/24/22 02:09	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(091-118)-202207

Lab Sample ID: 320-90474-7

Date Collected: 07/27/22 16:05

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	18		2.0	0.26	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorodecanoic acid (PFDA)	2.3		2.0	0.30	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorobutanesulfonic acid (PFBS)	0.33	J	2.0	0.20	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorohexanesulfonic acid (PFHxS)	1.8	J	2.0	0.56	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorooctanesulfonic acid (PFOS)	4.9		2.0	0.53	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 19:26	08/24/22 02:09	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 19:26	08/24/22 02:09	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/22/22 19:26	08/24/22 02:09	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 19:26	08/24/22 02:09	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 19:26	08/24/22 02:09	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 19:26	08/24/22 02:09	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 19:26	08/24/22 02:09	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/22/22 19:26	08/24/22 02:09	1
4:2 FTS	27		2.0	0.24	ng/L		08/22/22 19:26	08/24/22 02:09	1
8:2 FTS	320		2.0	0.45	ng/L		08/22/22 19:26	08/24/22 02:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 19:26	08/24/22 02:09	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 19:26	08/24/22 02:09	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 19:26	08/24/22 02:09	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 19:26	08/24/22 02:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C4 PFHpA	111		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C4 PFOA	98		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C5 PFNA	117		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C2 PFDA	114		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C2 PFUnA	117		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C2 PFDoA	113		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C2 PFTrDA	103		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C3 PFBS	101		25 - 150				08/22/22 19:26	08/24/22 02:09	1
18O2 PFHxS	113		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C4 PFOS	112		25 - 150				08/22/22 19:26	08/24/22 02:09	1
13C8 FOSA	110		10 - 150				08/22/22 19:26	08/24/22 02:09	1
d3-NMeFOSAA	120		25 - 150				08/22/22 19:26	08/24/22 02:09	1
d5-NEtFOSAA	133		25 - 150				08/22/22 19:26	08/24/22 02:09	1
d-N-MeFOSA-M	104		10 - 150				08/22/22 19:26	08/24/22 02:09	1
d-N-EtFOSA-M	99		10 - 150				08/22/22 19:26	08/24/22 02:09	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(091-118)-202207

Lab Sample ID: 320-90474-7

Date Collected: 07/27/22 16:05

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	92		10 - 150	08/22/22 19:26	08/24/22 02:09	1
d9-N-EtFOSE-M	95		10 - 150	08/22/22 19:26	08/24/22 02:09	1
M2-4:2 FTS	113		25 - 150	08/22/22 19:26	08/24/22 02:09	1
M2-8:2 FTS	119		25 - 150	08/22/22 19:26	08/24/22 02:09	1
13C3 HFPO-DA	102		25 - 150	08/22/22 19:26	08/24/22 02:09	1
13C2 10:2 FTS	122		25 - 150	08/22/22 19:26	08/24/22 02:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	530		39	9.6	ng/L		08/22/22 19:26	08/25/22 16:53	20
Perfluorohexanoic acid (PFHxA)	440		39	11	ng/L		08/22/22 19:26	08/25/22 16:53	20
6:2 FTS	3000		98	49	ng/L		08/22/22 19:26	08/25/22 16:53	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	90		25 - 150	08/22/22 19:26	08/25/22 16:53	20
13C2 PFHxA	94		25 - 150	08/22/22 19:26	08/25/22 16:53	20
M2-6:2 FTS	127		25 - 150	08/22/22 19:26	08/25/22 16:53	20

Client Sample ID: MP-01-(051-088)-202207

Lab Sample ID: 320-90474-8

Date Collected: 07/27/22 16:15

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	100		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorodecanoic acid (PFDA)	33		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluoroundecanoic acid (PFUnA)	1.1	J	1.9	1.0	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.9	0.19	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluoropentanesulfonic acid (PFPeS)	1.0	J	1.9	0.28	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorohexanesulfonic acid (PFHxS)	5.6		1.9	0.54	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorooctanesulfonic acid (PFOS)	21		1.9	0.51	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/22/22 12:06	08/24/22 02:42	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/22/22 12:06	08/24/22 02:42	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 02:42	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 12:06	08/24/22 02:42	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/22/22 12:06	08/24/22 02:42	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/22/22 12:06	08/24/22 02:42	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 12:06	08/24/22 02:42	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/22/22 12:06	08/24/22 02:42	1
4:2 FTS	120		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 02:42	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(051-088)-202207

Lab Sample ID: 320-90474-8

Date Collected: 07/27/22 16:15

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 12:06	08/24/22 02:42	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 12:06	08/24/22 02:42	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 02:42	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 02:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFNA	129		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C2 PFDA	121		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C2 PFUnA	137		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C2 PFDoA	137		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C2 PFTeDA	138		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C3 PFBS	108		25 - 150				08/22/22 12:06	08/24/22 02:42	1
18O2 PFHxS	127		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C4 PFOS	125		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C8 FOSA	115		10 - 150				08/22/22 12:06	08/24/22 02:42	1
d3-NMeFOSAA	125		25 - 150				08/22/22 12:06	08/24/22 02:42	1
d5-NEtFOSAA	137		25 - 150				08/22/22 12:06	08/24/22 02:42	1
d-N-MeFOSA-M	117		10 - 150				08/22/22 12:06	08/24/22 02:42	1
d-N-EtFOSA-M	112		10 - 150				08/22/22 12:06	08/24/22 02:42	1
d7-N-MeFOSE-M	113		10 - 150				08/22/22 12:06	08/24/22 02:42	1
d9-N-EtFOSE-M	113		10 - 150				08/22/22 12:06	08/24/22 02:42	1
M2-4:2 FTS	117		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C3 HFPO-DA	130		25 - 150				08/22/22 12:06	08/24/22 02:42	1
13C2 10:2 FTS	137		25 - 150				08/22/22 12:06	08/24/22 02:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	590		240	110	ng/L		08/22/22 12:06	08/26/22 03:24	50
Perfluoropentanoic acid (PFPeA)	2600		95	23	ng/L		08/22/22 12:06	08/26/22 03:24	50
Perfluorohexanoic acid (PFHxA)	2300		95	28	ng/L		08/22/22 12:06	08/26/22 03:24	50
Perfluoroheptanoic acid (PFHpA)	1200		95	12	ng/L		08/22/22 12:06	08/26/22 03:24	50
Perfluorooctanoic acid (PFOA)	2100		95	40	ng/L		08/22/22 12:06	08/26/22 03:24	50
6:2 FTS	6400		240	120	ng/L		08/22/22 12:06	08/26/22 03:24	50
8:2 FTS	2800		95	22	ng/L		08/22/22 12:06	08/26/22 03:24	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				08/22/22 12:06	08/26/22 03:24	50
13C5 PFPeA	100		25 - 150				08/22/22 12:06	08/26/22 03:24	50
13C2 PFHxA	91		25 - 150				08/22/22 12:06	08/26/22 03:24	50
13C4 PFHpA	94		25 - 150				08/22/22 12:06	08/26/22 03:24	50
13C4 PFOA	93		25 - 150				08/22/22 12:06	08/26/22 03:24	50
M2-6:2 FTS	246	*5+	25 - 150				08/22/22 12:06	08/26/22 03:24	50
M2-8:2 FTS	149		25 - 150				08/22/22 12:06	08/26/22 03:24	50

Client Sample ID: MP-02-(279-300)-202207

Lab Sample ID: 320-90474-9

Date Collected: 07/27/22 10:15

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/26/22 02:24	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(279-300)-202207

Lab Sample ID: 320-90474-9

Date Collected: 07/27/22 10:15

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1.3	J	2.0	0.48	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorohexanoic acid (PFHxA)	0.93	J	2.0	0.57	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluoroheptanoic acid (PFHpA)	0.47	J	2.0	0.24	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/26/22 02:24	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/26/22 02:24	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/26/22 02:24	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/26/22 02:24	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/26/22 02:24	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/26/22 02:24	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/26/22 02:24	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/26/22 02:24	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/26/22 02:24	1
6:2 FTS	4.3	J	4.9	2.4	ng/L		08/22/22 12:06	08/26/22 02:24	1
8:2 FTS	0.71	J	2.0	0.45	ng/L		08/22/22 12:06	08/26/22 02:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/26/22 02:24	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/26/22 02:24	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/26/22 02:24	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/26/22 02:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C5 PFPeA	102		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C2 PFHxA	98		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C4 PFHpA	91		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C4 PFOA	99		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C5 PFNA	109		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C2 PFDA	98		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C2 PFUnA	116		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C2 PFDoA	107		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C2 PFTeDA	107		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C3 PFBS	96		25 - 150				08/22/22 12:06	08/26/22 02:24	1
18O2 PFHxS	98		25 - 150				08/22/22 12:06	08/26/22 02:24	1
13C4 PFOS	104		25 - 150				08/22/22 12:06	08/26/22 02:24	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(279-300)-202207

Lab Sample ID: 320-90474-9

Date Collected: 07/27/22 10:15

Matrix: Water

Date Received: 07/29/22 09:25

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>
13C8 FOSA	97		10 - 150	08/22/22 12:06	08/26/22 02:24	1
d3-NMeFOSAA	105		25 - 150	08/22/22 12:06	08/26/22 02:24	1
d5-NEtFOSAA	131		25 - 150	08/22/22 12:06	08/26/22 02:24	1
d-N-MeFOSA-M	94		10 - 150	08/22/22 12:06	08/26/22 02:24	1
d-N-EtFOSA-M	93		10 - 150	08/22/22 12:06	08/26/22 02:24	1
d7-N-MeFOSE-M	97		10 - 150	08/22/22 12:06	08/26/22 02:24	1
d9-N-EtFOSE-M	98		10 - 150	08/22/22 12:06	08/26/22 02:24	1
M2-4:2 FTS	99		25 - 150	08/22/22 12:06	08/26/22 02:24	1
M2-6:2 FTS	99		25 - 150	08/22/22 12:06	08/26/22 02:24	1
M2-8:2 FTS	119		25 - 150	08/22/22 12:06	08/26/22 02:24	1
13C3 HFPO-DA	99		25 - 150	08/22/22 12:06	08/26/22 02:24	1
13C2 10:2 FTS	119		25 - 150	08/22/22 12:06	08/26/22 02:24	1

Client Sample ID: MP-02-(253-276)-202207

Lab Sample ID: 320-90474-10

Date Collected: 07/27/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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		4.9	2.3	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorooctanoic acid (PFOA)	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 12:06	08/24/22 03:02	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 12:06	08/24/22 03:02	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/22/22 12:06	08/24/22 03:02	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/22/22 12:06	08/24/22 03:02	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:02	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:02	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 03:02	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 03:02	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 03:02	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 03:02	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/22/22 12:06	08/24/22 03:02	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(253-276)-202207

Lab Sample ID: 320-90474-10

Date Collected: 07/27/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 12:06	08/24/22 03:02	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 03:02	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 03:02	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 03:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C5 PFPeA	106		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 PFHxA	101		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C4 PFHpA	101		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C4 PFOA	107		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C5 PFNA	107		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 PFDA	104		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 PFUnA	111		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 PFDoA	107		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 PFTeDA	117		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C3 PFBS	99		25 - 150				08/22/22 12:06	08/24/22 03:02	1
18O2 PFHxS	102		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C4 PFOS	96		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C8 FOSA	102		10 - 150				08/22/22 12:06	08/24/22 03:02	1
d3-NMeFOSAA	104		25 - 150				08/22/22 12:06	08/24/22 03:02	1
d5-NEtFOSAA	109		25 - 150				08/22/22 12:06	08/24/22 03:02	1
d-N-MeFOSA-M	95		10 - 150				08/22/22 12:06	08/24/22 03:02	1
d-N-EtFOSA-M	93		10 - 150				08/22/22 12:06	08/24/22 03:02	1
d7-N-MeFOSE-M	95		10 - 150				08/22/22 12:06	08/24/22 03:02	1
d9-N-EtFOSE-M	97		10 - 150				08/22/22 12:06	08/24/22 03:02	1
M2-4:2 FTS	107		25 - 150				08/22/22 12:06	08/24/22 03:02	1
M2-6:2 FTS	105		25 - 150				08/22/22 12:06	08/24/22 03:02	1
M2-8:2 FTS	125		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C3 HFPO-DA	95		25 - 150				08/22/22 12:06	08/24/22 03:02	1
13C2 10:2 FTS	134		25 - 150				08/22/22 12:06	08/24/22 03:02	1

Client Sample ID: MP-02-(223-250)-202207

Lab Sample ID: 320-90474-11

Date Collected: 07/27/22 10:40

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 03:12	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 03:12	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(223-250)-202207

Lab Sample ID: 320-90474-11

Date Collected: 07/27/22 10:40

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/24/22 03:12	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/24/22 03:12	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/22/22 12:06	08/24/22 03:12	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/24/22 03:12	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:12	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:12	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 03:12	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/22/22 12:06	08/24/22 03:12	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:12	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/22/22 12:06	08/24/22 03:12	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/22/22 12:06	08/24/22 03:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/24/22 03:12	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 03:12	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:12	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C5 PFPeA	100		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C2 PFHxA	98		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C4 PFHpA	105		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C4 PFOA	106		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C5 PFNA	102		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C2 PFDA	107		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C2 PFUnA	114		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C2 PFDoA	104		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C2 PFTeDA	113		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C3 PFBS	97		25 - 150	08/22/22 12:06	08/24/22 03:12	1
18O2 PFHxS	104		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C4 PFOS	99		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C8 FOSA	101		10 - 150	08/22/22 12:06	08/24/22 03:12	1
d3-NMeFOSAA	105		25 - 150	08/22/22 12:06	08/24/22 03:12	1
d5-NEtFOSAA	116		25 - 150	08/22/22 12:06	08/24/22 03:12	1
d-N-MeFOSA-M	90		10 - 150	08/22/22 12:06	08/24/22 03:12	1
d-N-EtFOSA-M	92		10 - 150	08/22/22 12:06	08/24/22 03:12	1
d7-N-MeFOSE-M	95		10 - 150	08/22/22 12:06	08/24/22 03:12	1
d9-N-EtFOSE-M	96		10 - 150	08/22/22 12:06	08/24/22 03:12	1
M2-4:2 FTS	102		25 - 150	08/22/22 12:06	08/24/22 03:12	1
M2-6:2 FTS	104		25 - 150	08/22/22 12:06	08/24/22 03:12	1
M2-8:2 FTS	123		25 - 150	08/22/22 12:06	08/24/22 03:12	1
13C3 HFPO-DA	97		25 - 150	08/22/22 12:06	08/24/22 03:12	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(223-250)-202207

Lab Sample ID: 320-90474-11

Date Collected: 07/27/22 10:40

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 10:2 FTS	114		25 - 150	08/22/22 12:06	08/24/22 03:12	1

Client Sample ID: MP-02-(198-220)-202207

Lab Sample ID: 320-90474-12

Date Collected: 07/27/22 10:53

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	33		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluoropentanoic acid (PFPeA)	160		2.0	0.48	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorohexanoic acid (PFHxA)	92		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluoroheptanoic acid (PFHpA)	31		2.0	0.25	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorooctanoic acid (PFOA)	30		2.0	0.84	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorononanoic acid (PFNA)	2.2		2.0	0.27	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorotetradecanoic acid (PFTTeA)	<0.72		2.0	0.72	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	2.0	0.56	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorooctanesulfonic acid (PFOS)	0.84	J	2.0	0.53	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/24/22 03:23	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/24/22 03:23	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/22/22 12:06	08/24/22 03:23	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/24/22 03:23	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:23	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:23	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 03:23	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/22/22 12:06	08/24/22 03:23	1
4:2 FTS	4.9		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:23	1
8:2 FTS	15		2.0	0.45	ng/L		08/22/22 12:06	08/24/22 03:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/24/22 03:23	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 03:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:23	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150				08/22/22 12:06	08/24/22 03:23	1
13C5 PFPeA	99		25 - 150				08/22/22 12:06	08/24/22 03:23	1
13C2 PFHxA	99		25 - 150				08/22/22 12:06	08/24/22 03:23	1
13C4 PFHpA	95		25 - 150				08/22/22 12:06	08/24/22 03:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(198-220)-202207

Lab Sample ID: 320-90474-12

Date Collected: 07/27/22 10:53

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	98		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C5 PFNA	99		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C2 PFDA	98		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C2 PFUnA	107		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C2 PFDoA	101		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C2 PFTeDA	111		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C3 PFBS	94		25 - 150	08/22/22 12:06	08/24/22 03:23	1
18O2 PFHxS	99		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C4 PFOS	97		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C8 FOSA	94		10 - 150	08/22/22 12:06	08/24/22 03:23	1
d3-NMeFOSAA	97		25 - 150	08/22/22 12:06	08/24/22 03:23	1
d5-NEtFOSAA	118		25 - 150	08/22/22 12:06	08/24/22 03:23	1
d-N-MeFOSA-M	86		10 - 150	08/22/22 12:06	08/24/22 03:23	1
d-N-EtFOSA-M	88		10 - 150	08/22/22 12:06	08/24/22 03:23	1
d7-N-MeFOSE-M	92		10 - 150	08/22/22 12:06	08/24/22 03:23	1
d9-N-EtFOSE-M	91		10 - 150	08/22/22 12:06	08/24/22 03:23	1
M2-4:2 FTS	95		25 - 150	08/22/22 12:06	08/24/22 03:23	1
M2-8:2 FTS	124		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C3 HFPO-DA	93		25 - 150	08/22/22 12:06	08/24/22 03:23	1
13C2 10:2 FTS	147		25 - 150	08/22/22 12:06	08/24/22 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	540		25	12	ng/L		08/22/22 12:06	08/26/22 02:54	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	101		25 - 150	08/22/22 12:06	08/26/22 02:54	5

Client Sample ID: MP-02-(153-195)-202207-A

Lab Sample ID: 320-90474-13

Date Collected: 07/27/22 11:25

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	66		4.9	2.3	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluoropentanoic acid (PFPeA)	310		1.9	0.48	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorohexanoic acid (PFHxA)	210		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluoroheptanoic acid (PFHpA)	94		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorooctanoic acid (PFOA)	79		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorononanoic acid (PFNA)	10		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorodecanoic acid (PFDA)	1.4	J	1.9	0.30	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorobutanesulfonic acid (PFBS)	0.42	J	1.9	0.19	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.85	J	1.9	0.55	ng/L		08/22/22 12:06	08/24/22 03:33	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(153-195)-202207-A

Lab Sample ID: 320-90474-13

Date Collected: 07/27/22 11:25

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 03:33	1
Perfluorooctanesulfonic acid (PFOS)	2.4		1.9	0.53	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 12:06	08/24/22 03:33	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 12:06	08/24/22 03:33	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/22/22 12:06	08/24/22 03:33	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/22/22 12:06	08/24/22 03:33	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:33	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:33	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 03:33	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 03:33	1
4:2 FTS	3.5		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 03:33	1
8:2 FTS	26		1.9	0.45	ng/L		08/22/22 12:06	08/24/22 03:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 12:06	08/24/22 03:33	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 03:33	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 03:33	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 03:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C5 PFPeA	74		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 PFHxA	74		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C4 PFHpA	76		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C4 PFOA	78		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C5 PFNA	76		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 PFDA	75		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 PFUnA	72		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 PFDoA	72		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 PFTeDA	67		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C3 PFBS	73		25 - 150	08/22/22 12:06	08/24/22 03:33	1
18O2 PFHxS	75		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C4 PFOS	71		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C8 FOSA	73		10 - 150	08/22/22 12:06	08/24/22 03:33	1
d3-NMeFOSAA	70		25 - 150	08/22/22 12:06	08/24/22 03:33	1
d5-NEtFOSAA	72		25 - 150	08/22/22 12:06	08/24/22 03:33	1
d-N-MeFOSA-M	66		10 - 150	08/22/22 12:06	08/24/22 03:33	1
d-N-EtFOSA-M	63		10 - 150	08/22/22 12:06	08/24/22 03:33	1
d7-N-MeFOSE-M	63		10 - 150	08/22/22 12:06	08/24/22 03:33	1
d9-N-EtFOSE-M	65		10 - 150	08/22/22 12:06	08/24/22 03:33	1
M2-4:2 FTS	66		25 - 150	08/22/22 12:06	08/24/22 03:33	1
M2-8:2 FTS	76		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C3 HFPO-DA	70		25 - 150	08/22/22 12:06	08/24/22 03:33	1
13C2 10:2 FTS	74		25 - 150	08/22/22 12:06	08/24/22 03:33	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(153-195)-202207-A

Lab Sample ID: 320-90474-13

Date Collected: 07/27/22 11:25

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	600		24	12	ng/L		08/22/22 12:06	08/26/22 03:04	5
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-6:2 FTS	71		25 - 150				08/22/22 12:06	08/26/22 03:04	5

Client Sample ID: MP-02-(153-195)-202207-B

Lab Sample ID: 320-90474-14

Date Collected: 07/27/22 12:15

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	67		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluoropentanoic acid (PFPeA)	310		2.0	0.48	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorohexanoic acid (PFHxA)	210		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluoroheptanoic acid (PFHpA)	94		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorooctanoic acid (PFOA)	89		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorononanoic acid (PFNA)	12		2.0	0.26	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorodecanoic acid (PFDA)	1.4 J		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorobutanesulfonic acid (PFBS)	0.30 J		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorohexanesulfonic acid (PFHxS)	0.78 J		2.0	0.56	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorooctanesulfonic acid (PFOS)	2.4		2.0	0.53	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/24/22 03:43	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/24/22 03:43	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/24/22 03:43	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/24/22 03:43	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:43	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 03:43	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 03:43	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 03:43	1
4:2 FTS	3.2		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:43	1
8:2 FTS	27		2.0	0.45	ng/L		08/22/22 12:06	08/24/22 03:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/24/22 03:43	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 03:43	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 03:43	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 03:43	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	74		25 - 150				08/22/22 12:06	08/24/22 03:43	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(153-195)-202207-B

Lab Sample ID: 320-90474-14

Date Collected: 07/27/22 12:15

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	77		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 PFHxA	78		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C4 PFHpA	76		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C4 PFOA	75		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C5 PFNA	79		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 PFDA	80		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 PFUnA	78		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 PFDoA	74		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 PFTeDA	74		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C3 PFBS	75		25 - 150	08/22/22 12:06	08/24/22 03:43	1
18O2 PFHxS	77		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C4 PFOS	72		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C8 FOSA	75		10 - 150	08/22/22 12:06	08/24/22 03:43	1
d3-NMeFOSAA	78		25 - 150	08/22/22 12:06	08/24/22 03:43	1
d5-NEtFOSAA	80		25 - 150	08/22/22 12:06	08/24/22 03:43	1
d-N-MeFOSA-M	70		10 - 150	08/22/22 12:06	08/24/22 03:43	1
d-N-EtFOSA-M	65		10 - 150	08/22/22 12:06	08/24/22 03:43	1
d7-N-MeFOSE-M	65		10 - 150	08/22/22 12:06	08/24/22 03:43	1
d9-N-EtFOSE-M	62		10 - 150	08/22/22 12:06	08/24/22 03:43	1
M2-4:2 FTS	77		25 - 150	08/22/22 12:06	08/24/22 03:43	1
M2-8:2 FTS	76		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C3 HFPO-DA	76		25 - 150	08/22/22 12:06	08/24/22 03:43	1
13C2 10:2 FTS	77		25 - 150	08/22/22 12:06	08/24/22 03:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	520		24	12	ng/L		08/22/22 12:06	08/26/22 03:14	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	81		25 - 150	08/22/22 12:06	08/26/22 03:14	5			

Client Sample ID: MP-02-(153-195)-202207-C

Lab Sample ID: 320-90474-15

Date Collected: 07/27/22 13:15

Matrix: Water

Date Received: 07/29/22 09:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2900		250	250	mg/L			08/01/22 15:08	1

Client Sample ID: MP-03-(280-300)-202207

Lab Sample ID: 320-90474-16

Date Collected: 07/26/22 14:45

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 03:53	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/22/22 12:06	08/24/22 03:53	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(280-300)-202207

Lab Sample ID: 320-90474-16

Date Collected: 07/26/22 14:45

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/22/22 12:06	08/24/22 03:53	1
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.92	ng/L		08/22/22 12:06	08/24/22 03:53	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/22/22 12:06	08/24/22 03:53	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/22/22 12:06	08/24/22 03:53	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/22/22 12:06	08/24/22 03:53	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/22/22 12:06	08/24/22 03:53	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/22/22 12:06	08/24/22 03:53	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/22/22 12:06	08/24/22 03:53	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/22/22 12:06	08/24/22 03:53	1
6:2 FTS	<2.3		4.7	2.3	ng/L		08/22/22 12:06	08/24/22 03:53	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/22/22 12:06	08/24/22 03:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/22/22 12:06	08/24/22 03:53	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/22/22 12:06	08/24/22 03:53	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/22/22 12:06	08/24/22 03:53	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 03:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C5 PFPeA	94		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C2 PFHxA	94		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C4 PFHpA	99		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C4 PFOA	99		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C5 PFNA	104		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C2 PFDA	97		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C2 PFUnA	103		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C2 PFDoA	101		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C2 PFTeDA	104		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C3 PFBS	88		25 - 150				08/22/22 12:06	08/24/22 03:53	1
18O2 PFHxS	95		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C4 PFOS	96		25 - 150				08/22/22 12:06	08/24/22 03:53	1
13C8 FOSA	94		10 - 150				08/22/22 12:06	08/24/22 03:53	1
d3-NMeFOSAA	98		25 - 150				08/22/22 12:06	08/24/22 03:53	1
d5-NEtFOSAA	104		25 - 150				08/22/22 12:06	08/24/22 03:53	1
d-N-MeFOSA-M	85		10 - 150				08/22/22 12:06	08/24/22 03:53	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(280-300)-202207

Lab Sample ID: 320-90474-16

Date Collected: 07/26/22 14:45

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	78		10 - 150	08/22/22 12:06	08/24/22 03:53	1
d7-N-MeFOSE-M	90		10 - 150	08/22/22 12:06	08/24/22 03:53	1
d9-N-EtFOSE-M	86		10 - 150	08/22/22 12:06	08/24/22 03:53	1
M2-4:2 FTS	101		25 - 150	08/22/22 12:06	08/24/22 03:53	1
M2-6:2 FTS	96		25 - 150	08/22/22 12:06	08/24/22 03:53	1
M2-8:2 FTS	96		25 - 150	08/22/22 12:06	08/24/22 03:53	1
13C3 HFPO-DA	96		25 - 150	08/22/22 12:06	08/24/22 03:53	1
13C2 10:2 FTS	103		25 - 150	08/22/22 12:06	08/24/22 03:53	1

Client Sample ID: MP-03-(245-277)-202207

Lab Sample ID: 320-90474-17

Date Collected: 07/26/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 04:03	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/24/22 04:03	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/24/22 04:03	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/24/22 04:03	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/24/22 04:03	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 04:03	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 04:03	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 04:03	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 04:03	1
4:2 FTS	<0.23		2.0	0.23	ng/L		08/22/22 12:06	08/24/22 04:03	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 04:03	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/22/22 12:06	08/24/22 04:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/24/22 04:03	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 04:03	1
9CI-PF3ONS	<0.23		2.0	0.23	ng/L		08/22/22 12:06	08/24/22 04:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(245-277)-202207

Lab Sample ID: 320-90474-17

Date Collected: 07/26/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11CI-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 04:03	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	89		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C5 PFPeA	94		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 PFHxA	87		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C4 PFHpA	92		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C4 PFOA	95		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C5 PFNA	95		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 PFDA	93		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 PFUnA	97		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 PFDoA	96		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 PFTeDA	102		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C3 PFBS	87		25 - 150				08/22/22 12:06	08/24/22 04:03	1
18O2 PFHxS	93		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C4 PFOS	96		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C8 FOSA	93		10 - 150				08/22/22 12:06	08/24/22 04:03	1
d3-NMeFOSAA	97		25 - 150				08/22/22 12:06	08/24/22 04:03	1
d5-NEtFOSAA	104		25 - 150				08/22/22 12:06	08/24/22 04:03	1
d-N-MeFOSA-M	85		10 - 150				08/22/22 12:06	08/24/22 04:03	1
d-N-EtFOSA-M	83		10 - 150				08/22/22 12:06	08/24/22 04:03	1
d7-N-MeFOSE-M	92		10 - 150				08/22/22 12:06	08/24/22 04:03	1
d9-N-EtFOSE-M	90		10 - 150				08/22/22 12:06	08/24/22 04:03	1
M2-4:2 FTS	97		25 - 150				08/22/22 12:06	08/24/22 04:03	1
M2-6:2 FTS	89		25 - 150				08/22/22 12:06	08/24/22 04:03	1
M2-8:2 FTS	116		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C3 HFPO-DA	93		25 - 150				08/22/22 12:06	08/24/22 04:03	1
13C2 10:2 FTS	134		25 - 150				08/22/22 12:06	08/24/22 04:03	1

Client Sample ID: MP-03-(220-242)-202207

Lab Sample ID: 320-90474-18

Date Collected: 07/26/22 15:07

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 04:13	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 12:06	08/24/22 04:13	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(220-242)-202207

Lab Sample ID: 320-90474-18

Date Collected: 07/26/22 15:07

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 04:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		08/22/22 12:06	08/24/22 04:13	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 12:06	08/24/22 04:13	1
NEtFOSA	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/24/22 04:13	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 12:06	08/24/22 04:13	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 04:13	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 04:13	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 04:13	1
NEtFOSE	<0.83		2.0	0.83	ng/L		08/22/22 12:06	08/24/22 04:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 04:13	1
6:2 FTS	<2.4		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 04:13	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/22/22 12:06	08/24/22 04:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 12:06	08/24/22 04:13	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 04:13	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 04:13	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 04:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	65		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C5 PFPeA	71		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 PFHxA	71		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C4 PFHpA	68		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C4 PFOA	71		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C5 PFNA	71		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 PFDA	68		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 PFUnA	66		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 PFDoA	55		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 PFTeDA	55		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C3 PFBS	66		25 - 150	08/22/22 12:06	08/24/22 04:13	1
18O2 PFHxS	72		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C4 PFOS	70		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C8 FOSA	68		10 - 150	08/22/22 12:06	08/24/22 04:13	1
d3-NMeFOSAA	65		25 - 150	08/22/22 12:06	08/24/22 04:13	1
d5-NEtFOSAA	67		25 - 150	08/22/22 12:06	08/24/22 04:13	1
d-N-MeFOSA-M	50		10 - 150	08/22/22 12:06	08/24/22 04:13	1
d-N-EtFOSA-M	49		10 - 150	08/22/22 12:06	08/24/22 04:13	1
d7-N-MeFOSE-M	54		10 - 150	08/22/22 12:06	08/24/22 04:13	1
d9-N-EtFOSE-M	51		10 - 150	08/22/22 12:06	08/24/22 04:13	1
M2-4:2 FTS	74		25 - 150	08/22/22 12:06	08/24/22 04:13	1
M2-6:2 FTS	72		25 - 150	08/22/22 12:06	08/24/22 04:13	1
M2-8:2 FTS	98		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C3 HFPO-DA	69		25 - 150	08/22/22 12:06	08/24/22 04:13	1
13C2 10:2 FTS	79		25 - 150	08/22/22 12:06	08/24/22 04:13	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(190-217)-202207

Lab Sample ID: 320-90474-19

Date Collected: 07/26/22 15:20

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 04:44	1
Perfluoropentanoic acid (PFPeA)	4.3		1.9	0.47	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorohexanoic acid (PFHxA)	2.5		1.9	0.55	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluoroheptanoic acid (PFHpA)	2.5		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorooctanoic acid (PFOA)	1.4 J		1.9	0.81	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/22/22 12:06	08/24/22 04:44	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/22/22 12:06	08/24/22 04:44	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 04:44	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 12:06	08/24/22 04:44	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		08/22/22 12:06	08/24/22 04:44	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 12:06	08/24/22 04:44	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 12:06	08/24/22 04:44	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/22/22 12:06	08/24/22 04:44	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 04:44	1
6:2 FTS	14		4.8	2.4	ng/L		08/22/22 12:06	08/24/22 04:44	1
8:2 FTS	2.2		1.9	0.44	ng/L		08/22/22 12:06	08/24/22 04:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 12:06	08/24/22 04:44	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 12:06	08/24/22 04:44	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 04:44	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 12:06	08/24/22 04:44	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C5 PFPeA	106		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C2 PFHxA	103		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C4 PFHpA	105		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C4 PFOA	107		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C5 PFNA	99		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C2 PFDA	108		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C2 PFUnA	115		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C2 PFDoA	102		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C2 PFTeDA	112		25 - 150				08/22/22 12:06	08/24/22 04:44	1
13C3 PFBS	95		25 - 150				08/22/22 12:06	08/24/22 04:44	1
18O2 PFHxS	102		25 - 150				08/22/22 12:06	08/24/22 04:44	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(190-217)-202207

Lab Sample ID: 320-90474-19

Date Collected: 07/26/22 15:20

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	100		25 - 150	08/22/22 12:06	08/24/22 04:44	1
13C8 FOSA	105		10 - 150	08/22/22 12:06	08/24/22 04:44	1
d3-NMeFOSAA	109		25 - 150	08/22/22 12:06	08/24/22 04:44	1
d5-NEtFOSAA	131		25 - 150	08/22/22 12:06	08/24/22 04:44	1
d-N-MeFOSA-M	87		10 - 150	08/22/22 12:06	08/24/22 04:44	1
d-N-EtFOSA-M	98		10 - 150	08/22/22 12:06	08/24/22 04:44	1
d7-N-MeFOSE-M	96		10 - 150	08/22/22 12:06	08/24/22 04:44	1
d9-N-EtFOSE-M	98		10 - 150	08/22/22 12:06	08/24/22 04:44	1
M2-4:2 FTS	109		25 - 150	08/22/22 12:06	08/24/22 04:44	1
M2-6:2 FTS	111		25 - 150	08/22/22 12:06	08/24/22 04:44	1
M2-8:2 FTS	172	*5+	25 - 150	08/22/22 12:06	08/24/22 04:44	1
13C3 HFPO-DA	98		25 - 150	08/22/22 12:06	08/24/22 04:44	1
13C2 10:2 FTS	160	*5+	25 - 150	08/22/22 12:06	08/24/22 04:44	1

Client Sample ID: MP-03-(160-187)-202207

Lab Sample ID: 320-90474-20

Date Collected: 07/26/22 15:35

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	57		4.9	2.3	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluoropentanoic acid (PFPeA)	320		1.9	0.48	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorohexanoic acid (PFHxA)	170		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluoroheptanoic acid (PFHpA)	75		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorooctanoic acid (PFOA)	72		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorononanoic acid (PFNA)	5.5		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorodecanoic acid (PFDA)	0.63	J	1.9	0.30	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorobutanesulfonic acid (PFBS)	0.38	J	1.9	0.19	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.82	J	1.9	0.55	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorooctanesulfonic acid (PFOS)	2.1		1.9	0.52	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 12:06	08/24/22 04:54	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 12:06	08/24/22 04:54	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/22/22 12:06	08/24/22 04:54	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/22/22 12:06	08/24/22 04:54	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 04:54	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 04:54	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 04:54	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(160-187)-202207

Lab Sample ID: 320-90474-20

Date Collected: 07/26/22 15:35

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSE	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 04:54	1
4:2 FTS	3.5		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 04:54	1
8:2 FTS	26		1.9	0.45	ng/L		08/22/22 12:06	08/24/22 04:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 12:06	08/24/22 04:54	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 04:54	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 04:54	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 04:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C5 PFPeA	104		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 PFHxA	109		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C4 PFHpA	104		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C4 PFOA	107		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C5 PFNA	108		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 PFDA	109		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 PFUnA	112		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 PFDoA	104		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 PFTeDA	108		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C3 PFBS	99		25 - 150				08/22/22 12:06	08/24/22 04:54	1
18O2 PFHxS	101		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C4 PFOS	102		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C8 FOSA	103		10 - 150				08/22/22 12:06	08/24/22 04:54	1
d3-NMeFOSAA	107		25 - 150				08/22/22 12:06	08/24/22 04:54	1
d5-NEtFOSAA	108		25 - 150				08/22/22 12:06	08/24/22 04:54	1
d-N-MeFOSA-M	92		10 - 150				08/22/22 12:06	08/24/22 04:54	1
d-N-EtFOSA-M	87		10 - 150				08/22/22 12:06	08/24/22 04:54	1
d7-N-MeFOSE-M	93		10 - 150				08/22/22 12:06	08/24/22 04:54	1
d9-N-EtFOSE-M	91		10 - 150				08/22/22 12:06	08/24/22 04:54	1
M2-4:2 FTS	102		25 - 150				08/22/22 12:06	08/24/22 04:54	1
M2-8:2 FTS	121		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C3 HFPO-DA	101		25 - 150				08/22/22 12:06	08/24/22 04:54	1
13C2 10:2 FTS	111		25 - 150				08/22/22 12:06	08/24/22 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	450		24	12	ng/L		08/22/22 12:06	08/31/22 15:39	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	134		25 - 150				08/22/22 12:06	08/31/22 15:39	5

Client Sample ID: MP-03-(120-157)-202207

Lab Sample ID: 320-90474-21

Date Collected: 07/26/22 15:50

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		5.1	2.5	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluoropentanoic acid (PFPeA)	30		2.1	0.50	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorohexanoic acid (PFHxA)	17		2.1	0.60	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluoroheptanoic acid (PFHpA)	12		2.1	0.26	ng/L		08/22/22 12:06	08/24/22 05:04	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(120-157)-202207

Lab Sample ID: 320-90474-21

Date Collected: 07/26/22 15:50

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	9.5		2.1	0.87	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorononanoic acid (PFNA)	0.58	J	2.1	0.28	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorobutanesulfonic acid (PFBS)	0.53	J	2.1	0.21	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorooctanesulfonic acid (PFOS)	3.7		2.1	0.55	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 12:06	08/24/22 05:04	1
Perfluorooctanesulfonamide (FOSA)	1.6	J	2.1	1.0	ng/L		08/22/22 12:06	08/24/22 05:04	1
NEtFOSA	<0.89		2.1	0.89	ng/L		08/22/22 12:06	08/24/22 05:04	1
NMeFOSA	<0.44		2.1	0.44	ng/L		08/22/22 12:06	08/24/22 05:04	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		08/22/22 12:06	08/24/22 05:04	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		08/22/22 12:06	08/24/22 05:04	1
NMeFOSE	<1.4		4.1	1.4	ng/L		08/22/22 12:06	08/24/22 05:04	1
NEtFOSE	<0.87		2.1	0.87	ng/L		08/22/22 12:06	08/24/22 05:04	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/22/22 12:06	08/24/22 05:04	1
6:2 FTS	<2.6		5.1	2.6	ng/L		08/22/22 12:06	08/24/22 05:04	1
8:2 FTS	<0.47		2.1	0.47	ng/L		08/22/22 12:06	08/24/22 05:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		08/22/22 12:06	08/24/22 05:04	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		08/22/22 12:06	08/24/22 05:04	1
9CI-PF3ONS	<0.25		2.1	0.25	ng/L		08/22/22 12:06	08/24/22 05:04	1
11CI-PF3OUdS	<0.33		2.1	0.33	ng/L		08/22/22 12:06	08/24/22 05:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C5 PFPeA	91		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C2 PFHxA	90		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C4 PFHpA	91		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C4 PFOA	91		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C5 PFNA	85		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C2 PFDA	77		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C2 PFUnA	74		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C2 PFDoA	66		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C2 PFTeDA	81		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C3 PFBS	83		25 - 150				08/22/22 12:06	08/24/22 05:04	1
18O2 PFHxS	88		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C4 PFOS	81		25 - 150				08/22/22 12:06	08/24/22 05:04	1
13C8 FOSA	79		10 - 150				08/22/22 12:06	08/24/22 05:04	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(120-157)-202207

Lab Sample ID: 320-90474-21

Date Collected: 07/26/22 15:50

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	77		25 - 150	08/22/22 12:06	08/24/22 05:04	1
d5-NEtFOSAA	72		25 - 150	08/22/22 12:06	08/24/22 05:04	1
d-N-MeFOSA-M	65		10 - 150	08/22/22 12:06	08/24/22 05:04	1
d-N-EtFOSA-M	57		10 - 150	08/22/22 12:06	08/24/22 05:04	1
d7-N-MeFOSE-M	61		10 - 150	08/22/22 12:06	08/24/22 05:04	1
d9-N-EtFOSE-M	58		10 - 150	08/22/22 12:06	08/24/22 05:04	1
M2-4:2 FTS	93		25 - 150	08/22/22 12:06	08/24/22 05:04	1
M2-6:2 FTS	89		25 - 150	08/22/22 12:06	08/24/22 05:04	1
M2-8:2 FTS	80		25 - 150	08/22/22 12:06	08/24/22 05:04	1
13C3 HFPO-DA	88		25 - 150	08/22/22 12:06	08/24/22 05:04	1
13C2 10:2 FTS	64		25 - 150	08/22/22 12:06	08/24/22 05:04	1

Client Sample ID: MP-03-(083-117)-202207

Lab Sample ID: 320-90474-22

Date Collected: 07/26/22 16:00

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 05:14	1
Perfluoropentanoic acid (PFPeA)	51		1.9	0.47	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorohexanoic acid (PFHxA)	29		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluoroheptanoic acid (PFHpA)	52		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorooctanoic acid (PFOA)	19		1.9	0.82	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorononanoic acid (PFNA)	2.3		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorodecanoic acid (PFDA)	0.73	J	1.9	0.30	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorobutanesulfonic acid (PFBS)	0.53	J	1.9	0.19	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.9	0.52	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 12:06	08/24/22 05:14	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 12:06	08/24/22 05:14	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/22/22 12:06	08/24/22 05:14	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 12:06	08/24/22 05:14	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 12:06	08/24/22 05:14	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/22/22 12:06	08/24/22 05:14	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 05:14	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/22/22 12:06	08/24/22 05:14	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 05:14	1
6:2 FTS	10		4.8	2.4	ng/L		08/22/22 12:06	08/24/22 05:14	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(083-117)-202207

Lab Sample ID: 320-90474-22

Date Collected: 07/26/22 16:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	25		1.9	0.44	ng/L		08/22/22 12:06	08/24/22 05:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 12:06	08/24/22 05:14	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 05:14	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 05:14	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 05:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C5 PFPeA	97		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 PFHxA	96		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C4 PFHpA	100		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C4 PFOA	103		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C5 PFNA	99		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 PFDA	94		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 PFUnA	110		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 PFDoA	95		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 PFTeDA	101		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C3 PFBS	88		25 - 150				08/22/22 12:06	08/24/22 05:14	1
18O2 PFHxS	92		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C4 PFOS	95		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C8 FOSA	90		10 - 150				08/22/22 12:06	08/24/22 05:14	1
d3-NMeFOSAA	97		25 - 150				08/22/22 12:06	08/24/22 05:14	1
d5-NEtFOSAA	135		25 - 150				08/22/22 12:06	08/24/22 05:14	1
d-N-MeFOSA-M	82		10 - 150				08/22/22 12:06	08/24/22 05:14	1
d-N-EtFOSA-M	77		10 - 150				08/22/22 12:06	08/24/22 05:14	1
d7-N-MeFOSE-M	82		10 - 150				08/22/22 12:06	08/24/22 05:14	1
d9-N-EtFOSE-M	81		10 - 150				08/22/22 12:06	08/24/22 05:14	1
M2-4:2 FTS	97		25 - 150				08/22/22 12:06	08/24/22 05:14	1
M2-6:2 FTS	101		25 - 150				08/22/22 12:06	08/24/22 05:14	1
M2-8:2 FTS	106		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C3 HFPO-DA	94		25 - 150				08/22/22 12:06	08/24/22 05:14	1
13C2 10:2 FTS	102		25 - 150				08/22/22 12:06	08/24/22 05:14	1

Client Sample ID: MP-03-(046-080)-202207

Lab Sample ID: 320-90474-23

Date Collected: 07/26/22 16:12

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		4.9	2.3	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluoropentanoic acid (PFPeA)	69		1.9	0.48	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorohexanoic acid (PFHxA)	34		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluoroheptanoic acid (PFHpA)	53		1.9	0.24	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorooctanoic acid (PFOA)	13		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorononanoic acid (PFNA)	2.0		1.9	0.26	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorodecanoic acid (PFDA)	0.45	J	1.9	0.30	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/22/22 12:06	08/24/22 05:24	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(046-080)-202207

Lab Sample ID: 320-90474-23

Date Collected: 07/26/22 16:12

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 12:06	08/24/22 05:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		1.9	0.56	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		1.9	0.19	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorooctanesulfonic acid (PFOS)	0.59	J	1.9	0.53	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 12:06	08/24/22 05:24	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 12:06	08/24/22 05:24	1
NEtFOSA	<0.85		1.9	0.85	ng/L		08/22/22 12:06	08/24/22 05:24	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/22/22 12:06	08/24/22 05:24	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 12:06	08/24/22 05:24	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 12:06	08/24/22 05:24	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 12:06	08/24/22 05:24	1
NEtFOSE	<0.83		1.9	0.83	ng/L		08/22/22 12:06	08/24/22 05:24	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 05:24	1
6:2 FTS	5.9		4.9	2.4	ng/L		08/22/22 12:06	08/24/22 05:24	1
8:2 FTS	7.9		1.9	0.45	ng/L		08/22/22 12:06	08/24/22 05:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 12:06	08/24/22 05:24	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 12:06	08/24/22 05:24	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 12:06	08/24/22 05:24	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 12:06	08/24/22 05:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C5 PFPeA	101		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 PFHxA	110		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C4 PFHpA	102		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C4 PFOA	106		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C5 PFNA	98		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 PFDA	100		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 PFUnA	102		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 PFDoA	100		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 PFTeDA	106		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C3 PFBS	98		25 - 150	08/22/22 12:06	08/24/22 05:24	1
18O2 PFHxS	104		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C4 PFOS	96		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C8 FOSA	99		10 - 150	08/22/22 12:06	08/24/22 05:24	1
d3-NMeFOSAA	102		25 - 150	08/22/22 12:06	08/24/22 05:24	1
d5-NEtFOSAA	105		25 - 150	08/22/22 12:06	08/24/22 05:24	1
d-N-MeFOSA-M	86		10 - 150	08/22/22 12:06	08/24/22 05:24	1
d-N-EtFOSA-M	83		10 - 150	08/22/22 12:06	08/24/22 05:24	1
d7-N-MeFOSE-M	89		10 - 150	08/22/22 12:06	08/24/22 05:24	1
d9-N-EtFOSE-M	91		10 - 150	08/22/22 12:06	08/24/22 05:24	1
M2-4:2 FTS	105		25 - 150	08/22/22 12:06	08/24/22 05:24	1
M2-6:2 FTS	106		25 - 150	08/22/22 12:06	08/24/22 05:24	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(046-080)-202207

Lab Sample ID: 320-90474-23

Date Collected: 07/26/22 16:12

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	109		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C3 HFPO-DA	102		25 - 150	08/22/22 12:06	08/24/22 05:24	1
13C2 10:2 FTS	102		25 - 150	08/22/22 12:06	08/24/22 05:24	1

Client Sample ID: MP-04-(275-291)-202207

Lab Sample ID: 320-90474-24

Date Collected: 07/26/22 12:10

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.1	2.5	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluoropentanoic acid (PFPeA)	<0.50		2.0	0.50	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.0	0.26	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorooctanoic acid (PFOA)	<0.87		2.0	0.87	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorononanoic acid (PFNA)	<0.28		2.0	0.28	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.0	0.75	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		08/22/22 12:06	08/24/22 05:34	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		08/22/22 12:06	08/24/22 05:34	1
NEtFOSA	<0.89		2.0	0.89	ng/L		08/22/22 12:06	08/24/22 05:34	1
NMeFOSA	<0.44		2.0	0.44	ng/L		08/22/22 12:06	08/24/22 05:34	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		08/22/22 12:06	08/24/22 05:34	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		08/22/22 12:06	08/24/22 05:34	1
NMeFOSE	<1.4		4.1	1.4	ng/L		08/22/22 12:06	08/24/22 05:34	1
NEtFOSE	<0.87		2.0	0.87	ng/L		08/22/22 12:06	08/24/22 05:34	1
4:2 FTS	<0.25		2.0	0.25	ng/L		08/22/22 12:06	08/24/22 05:34	1
6:2 FTS	<2.6		5.1	2.6	ng/L		08/22/22 12:06	08/24/22 05:34	1
8:2 FTS	<0.47		2.0	0.47	ng/L		08/22/22 12:06	08/24/22 05:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		08/22/22 12:06	08/24/22 05:34	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		08/22/22 12:06	08/24/22 05:34	1
9Cl-PF3ONS	<0.25		2.0	0.25	ng/L		08/22/22 12:06	08/24/22 05:34	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		08/22/22 12:06	08/24/22 05:34	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	95		25 - 150	08/22/22 12:06	08/24/22 05:34	1			
13C5 PFPeA	98		25 - 150	08/22/22 12:06	08/24/22 05:34	1			
13C2 PFHxA	96		25 - 150	08/22/22 12:06	08/24/22 05:34	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(275-291)-202207

Lab Sample ID: 320-90474-24

Date Collected: 07/26/22 12:10

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	101		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C4 PFOA	103		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C5 PFNA	101		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C2 PFDA	102		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C2 PFUnA	124		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C2 PFDoA	101		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C2 PFTeDA	105		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C3 PFBS	97		25 - 150	08/22/22 12:06	08/24/22 05:34	1
18O2 PFHxS	98		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C4 PFOS	96		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C8 FOSA	98		10 - 150	08/22/22 12:06	08/24/22 05:34	1
d3-NMeFOSAA	99		25 - 150	08/22/22 12:06	08/24/22 05:34	1
d5-NEtFOSAA	168	*5+	25 - 150	08/22/22 12:06	08/24/22 05:34	1
d-N-MeFOSA-M	95		10 - 150	08/22/22 12:06	08/24/22 05:34	1
d-N-EtFOSA-M	91		10 - 150	08/22/22 12:06	08/24/22 05:34	1
d7-N-MeFOSE-M	94		10 - 150	08/22/22 12:06	08/24/22 05:34	1
d9-N-EtFOSE-M	89		10 - 150	08/22/22 12:06	08/24/22 05:34	1
M2-4:2 FTS	106		25 - 150	08/22/22 12:06	08/24/22 05:34	1
M2-6:2 FTS	98		25 - 150	08/22/22 12:06	08/24/22 05:34	1
M2-8:2 FTS	122		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C3 HFPO-DA	101		25 - 150	08/22/22 12:06	08/24/22 05:34	1
13C2 10:2 FTS	116		25 - 150	08/22/22 12:06	08/24/22 05:34	1

Client Sample ID: MP-04-(245-272)-202207

Lab Sample ID: 320-90474-25

Date Collected: 07/26/22 12:35

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.3	2.5	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluoropentanoic acid (PFPeA)	<0.52		2.1	0.52	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorohexanoic acid (PFHxA)	<0.62		2.1	0.62	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluoroheptanoic acid (PFHpA)	<0.27		2.1	0.27	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorooctanoic acid (PFOA)	<0.90		2.1	0.90	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorononanoic acid (PFNA)	<0.29		2.1	0.29	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorotridecanoic acid (PFTeDA)	<1.4		2.1	1.4	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.1	0.20	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.57		2.1	0.57	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		08/22/22 04:56	08/24/22 15:20	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		08/22/22 04:56	08/24/22 15:20	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(245-272)-202207

Lab Sample ID: 320-90474-25

Date Collected: 07/26/22 12:35

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		08/22/22 04:56	08/24/22 15:20	1
NEtFOSA	<0.92		2.1	0.92	ng/L		08/22/22 04:56	08/24/22 15:20	1
NMeFOSA	<0.46		2.1	0.46	ng/L		08/22/22 04:56	08/24/22 15:20	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		08/22/22 04:56	08/24/22 15:20	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		08/22/22 04:56	08/24/22 15:20	1
NMeFOSE	<1.5		4.2	1.5	ng/L		08/22/22 04:56	08/24/22 15:20	1
NEtFOSE	<0.90		2.1	0.90	ng/L		08/22/22 04:56	08/24/22 15:20	1
4:2 FTS	<0.25		2.1	0.25	ng/L		08/22/22 04:56	08/24/22 15:20	1
6:2 FTS	<2.7		5.3	2.7	ng/L		08/22/22 04:56	08/24/22 15:20	1
8:2 FTS	<0.49		2.1	0.49	ng/L		08/22/22 04:56	08/24/22 15:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		08/22/22 04:56	08/24/22 15:20	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		08/22/22 04:56	08/24/22 15:20	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		08/22/22 04:56	08/24/22 15:20	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		08/22/22 04:56	08/24/22 15:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C5 PFPeA	95		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 PFHxA	104		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C4 PFHpA	102		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C4 PFOA	105		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C5 PFNA	101		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 PFDA	101		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 PFUnA	100		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 PFDoA	106		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 PFTeDA	103		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C3 PFBS	94		25 - 150				08/22/22 04:56	08/24/22 15:20	1
18O2 PFHxS	103		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C4 PFOS	97		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C8 FOSA	96		10 - 150				08/22/22 04:56	08/24/22 15:20	1
d3-NMeFOSAA	96		25 - 150				08/22/22 04:56	08/24/22 15:20	1
d5-NEtFOSAA	108		25 - 150				08/22/22 04:56	08/24/22 15:20	1
d-N-MeFOSA-M	74		10 - 150				08/22/22 04:56	08/24/22 15:20	1
d-N-EtFOSA-M	75		10 - 150				08/22/22 04:56	08/24/22 15:20	1
d7-N-MeFOSE-M	86		10 - 150				08/22/22 04:56	08/24/22 15:20	1
d9-N-EtFOSE-M	85		10 - 150				08/22/22 04:56	08/24/22 15:20	1
M2-4:2 FTS	110		25 - 150				08/22/22 04:56	08/24/22 15:20	1
M2-6:2 FTS	106		25 - 150				08/22/22 04:56	08/24/22 15:20	1
M2-8:2 FTS	105		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C3 HFPO-DA	92		25 - 150				08/22/22 04:56	08/24/22 15:20	1
13C2 10:2 FTS	110		25 - 150				08/22/22 04:56	08/24/22 15:20	1

Client Sample ID: MP-04-(220-242)-202207

Lab Sample ID: 320-90474-26

Date Collected: 07/26/22 12:55

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 16:00	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		08/22/22 04:56	08/24/22 16:00	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(220-242)-202207

Lab Sample ID: 320-90474-26

Date Collected: 07/26/22 12:55

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/22/22 04:56	08/24/22 16:00	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		08/22/22 04:56	08/24/22 16:00	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/22/22 04:56	08/24/22 16:00	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 04:56	08/24/22 16:00	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 04:56	08/24/22 16:00	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 04:56	08/24/22 16:00	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 04:56	08/24/22 16:00	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/22/22 04:56	08/24/22 16:00	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 16:00	1
6:2 FTS	<2.5		4.9	2.5	ng/L		08/22/22 04:56	08/24/22 16:00	1
8:2 FTS	<0.45		2.0	0.45	ng/L		08/22/22 04:56	08/24/22 16:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 04:56	08/24/22 16:00	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 04:56	08/24/22 16:00	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 16:00	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 16:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C5 PFPeA	99		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 PFHxA	106		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C4 PFHpA	106		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C4 PFOA	106		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C5 PFNA	107		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 PFDA	108		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 PFUnA	107		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 PFDoA	106		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 PFTeDA	112		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C3 PFBS	100		25 - 150	08/22/22 04:56	08/24/22 16:00	1
18O2 PFHxS	102		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C4 PFOS	99		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C8 FOSA	103		10 - 150	08/22/22 04:56	08/24/22 16:00	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(220-242)-202207

Lab Sample ID: 320-90474-26

Date Collected: 07/26/22 12:55

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	105		25 - 150	08/22/22 04:56	08/24/22 16:00	1
d5-NEtFOSAA	119		25 - 150	08/22/22 04:56	08/24/22 16:00	1
d-N-MeFOSA-M	77		10 - 150	08/22/22 04:56	08/24/22 16:00	1
d-N-EtFOSA-M	76		10 - 150	08/22/22 04:56	08/24/22 16:00	1
d7-N-MeFOSE-M	89		10 - 150	08/22/22 04:56	08/24/22 16:00	1
d9-N-EtFOSE-M	88		10 - 150	08/22/22 04:56	08/24/22 16:00	1
M2-4:2 FTS	110		25 - 150	08/22/22 04:56	08/24/22 16:00	1
M2-6:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 16:00	1
M2-8:2 FTS	115		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C3 HFPO-DA	102		25 - 150	08/22/22 04:56	08/24/22 16:00	1
13C2 10:2 FTS	121		25 - 150	08/22/22 04:56	08/24/22 16:00	1

Client Sample ID: MP-04-(195-217)-202207

Lab Sample ID: 320-90474-27

Date Collected: 07/26/22 13:10

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.7	J	5.4	2.6	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluoropentanoic acid (PFPeA)	16		2.2	0.53	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorohexanoic acid (PFHxA)	12		2.2	0.62	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluoroheptanoic acid (PFHpA)	3.1		2.2	0.27	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorooctanoic acid (PFOA)	5.0		2.2	0.91	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorononanoic acid (PFNA)	<0.29		2.2	0.29	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorodecanoic acid (PFDA)	<0.33		2.2	0.33	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.2	0.59	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.79		2.2	0.79	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.22		2.2	0.22	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.2	0.32	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.61		2.2	0.61	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.20		2.2	0.20	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.58		2.2	0.58	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorononanesulfonic acid (PFNS)	<0.40		2.2	0.40	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.2	0.34	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.2	1.0	ng/L		08/22/22 04:56	08/26/22 11:31	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		08/22/22 04:56	08/26/22 11:31	1
NEtFOSA	<0.94		2.2	0.94	ng/L		08/22/22 04:56	08/26/22 11:31	1
NMeFOSA	<0.46		2.2	0.46	ng/L		08/22/22 04:56	08/26/22 11:31	1
NMeFOSAA	<1.3		5.4	1.3	ng/L		08/22/22 04:56	08/26/22 11:31	1
NEtFOSAA	<1.4		5.4	1.4	ng/L		08/22/22 04:56	08/26/22 11:31	1
NMeFOSE	<1.5		4.3	1.5	ng/L		08/22/22 04:56	08/26/22 11:31	1
NEtFOSE	<0.91		2.2	0.91	ng/L		08/22/22 04:56	08/26/22 11:31	1
4:2 FTS	1.3	J	2.2	0.26	ng/L		08/22/22 04:56	08/26/22 11:31	1
6:2 FTS	120		5.4	2.7	ng/L		08/22/22 04:56	08/26/22 11:31	1
8:2 FTS	1.3	J	2.2	0.49	ng/L		08/22/22 04:56	08/26/22 11:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(195-217)-202207

Lab Sample ID: 320-90474-27

Date Collected: 07/26/22 13:10

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.2	0.43	ng/L		08/22/22 04:56	08/26/22 11:31	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		08/22/22 04:56	08/26/22 11:31	1
9CI-PF3ONS	<0.26		2.2	0.26	ng/L		08/22/22 04:56	08/26/22 11:31	1
11CI-PF3OUdS	<0.34		2.2	0.34	ng/L		08/22/22 04:56	08/26/22 11:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C5 PFPeA	98		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 PFHxA	108		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C4 PFHpA	102		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C4 PFOA	109		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C5 PFNA	106		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 PFDA	108		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 PFUnA	114		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 PFDoA	110		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 PFTeDA	112		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C3 PFBS	108		25 - 150				08/22/22 04:56	08/26/22 11:31	1
18O2 PFHxS	114		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C4 PFOS	111		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C8 FOSA	109		10 - 150				08/22/22 04:56	08/26/22 11:31	1
d3-NMeFOSAA	103		25 - 150				08/22/22 04:56	08/26/22 11:31	1
d5-NEtFOSAA	144		25 - 150				08/22/22 04:56	08/26/22 11:31	1
d-N-MeFOSA-M	88		10 - 150				08/22/22 04:56	08/26/22 11:31	1
d-N-EtFOSA-M	87		10 - 150				08/22/22 04:56	08/26/22 11:31	1
d7-N-MeFOSE-M	88		10 - 150				08/22/22 04:56	08/26/22 11:31	1
d9-N-EtFOSE-M	94		10 - 150				08/22/22 04:56	08/26/22 11:31	1
M2-4:2 FTS	103		25 - 150				08/22/22 04:56	08/26/22 11:31	1
M2-6:2 FTS	99		25 - 150				08/22/22 04:56	08/26/22 11:31	1
M2-8:2 FTS	111		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C3 HFPO-DA	96		25 - 150				08/22/22 04:56	08/26/22 11:31	1
13C2 10:2 FTS	134		25 - 150				08/22/22 04:56	08/26/22 11:31	1

Client Sample ID: MP-04-(155-192)-202207

Lab Sample ID: 320-90474-28

Date Collected: 07/26/22 13:20

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	26		5.0	2.4	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluoropentanoic acid (PFPeA)	110		2.0	0.49	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorohexanoic acid (PFHxA)	77		2.0	0.58	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluoroheptanoic acid (PFHpA)	26		2.0	0.25	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorooctanoic acid (PFOA)	26		2.0	0.85	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorononanoic acid (PFNA)	1.5 J		2.0	0.27	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 04:56	08/24/22 16:20	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(155-192)-202207

Lab Sample ID: 320-90474-28

Date Collected: 07/26/22 13:20

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.60	J	2.0	0.57	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/22/22 04:56	08/24/22 16:20	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/22/22 04:56	08/24/22 16:20	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/22/22 04:56	08/24/22 16:20	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/22/22 04:56	08/24/22 16:20	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/22/22 04:56	08/24/22 16:20	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/22/22 04:56	08/24/22 16:20	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/22/22 04:56	08/24/22 16:20	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/22/22 04:56	08/24/22 16:20	1
4:2 FTS	4.0		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 16:20	1
8:2 FTS	21		2.0	0.46	ng/L		08/22/22 04:56	08/24/22 16:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/22/22 04:56	08/24/22 16:20	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/22/22 04:56	08/24/22 16:20	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 16:20	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 16:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C5 PFPeA	101		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 PFHxA	107		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C4 PFHpA	105		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C4 PFOA	105		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C5 PFNA	108		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 PFDA	105		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 PFUnA	110		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 PFDoA	107		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 PFTeDA	111		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C3 PFBS	101		25 - 150	08/22/22 04:56	08/24/22 16:20	1
18O2 PFHxS	108		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C4 PFOS	103		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C8 FOSA	109		10 - 150	08/22/22 04:56	08/24/22 16:20	1
d3-NMeFOSAA	106		25 - 150	08/22/22 04:56	08/24/22 16:20	1
d5-NEtFOSAA	127		25 - 150	08/22/22 04:56	08/24/22 16:20	1
d-N-MeFOSA-M	79		10 - 150	08/22/22 04:56	08/24/22 16:20	1
d-N-EtFOSA-M	80		10 - 150	08/22/22 04:56	08/24/22 16:20	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 16:20	1
d9-N-EtFOSE-M	93		10 - 150	08/22/22 04:56	08/24/22 16:20	1
M2-4:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 16:20	1
M2-8:2 FTS	142		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C3 HFPO-DA	97		25 - 150	08/22/22 04:56	08/24/22 16:20	1
13C2 10:2 FTS	132		25 - 150	08/22/22 04:56	08/24/22 16:20	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(155-192)-202207

Lab Sample ID: 320-90474-28

Date Collected: 07/26/22 13:20

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	430		25	12	ng/L		08/22/22 04:56	08/26/22 11:41	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	109		25 - 150				08/22/22 04:56	08/26/22 11:41	5

Client Sample ID: MP-04-(115-152)-202207

Lab Sample ID: 320-90474-29

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	190		5.1	2.4	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluoroheptanoic acid (PFHpA)	170		2.0	0.25	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorooctanoic acid (PFOA)	240		2.0	0.86	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorononanoic acid (PFNA)	11		2.0	0.27	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorodecanoic acid (PFDA)	0.69 J		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		2.0	0.20	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluoropentanesulfonic acid (PFPeS)	0.74 J		2.0	0.30	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.0	0.58	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorooctanesulfonic acid (PFOS)	3.5		2.0	0.55	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		08/22/22 04:56	08/24/22 17:01	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		08/22/22 04:56	08/24/22 17:01	1
NEtFOSA	<0.88		2.0	0.88	ng/L		08/22/22 04:56	08/24/22 17:01	1
NMeFOSA	<0.44		2.0	0.44	ng/L		08/22/22 04:56	08/24/22 17:01	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		08/22/22 04:56	08/24/22 17:01	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		08/22/22 04:56	08/24/22 17:01	1
NMeFOSE	<1.4		4.1	1.4	ng/L		08/22/22 04:56	08/24/22 17:01	1
NEtFOSE	<0.86		2.0	0.86	ng/L		08/22/22 04:56	08/24/22 17:01	1
4:2 FTS	60		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 17:01	1
8:2 FTS	130		2.0	0.47	ng/L		08/22/22 04:56	08/24/22 17:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		08/22/22 04:56	08/24/22 17:01	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		08/22/22 04:56	08/24/22 17:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 17:01	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		08/22/22 04:56	08/24/22 17:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	125		25 - 150				08/22/22 04:56	08/24/22 17:01	1
13C4 PFHpA	130		25 - 150				08/22/22 04:56	08/24/22 17:01	1
13C4 PFOA	108		25 - 150				08/22/22 04:56	08/24/22 17:01	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(115-152)-202207

Lab Sample ID: 320-90474-29

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	134		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C2 PFDA	130		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C2 PFUnA	127		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C2 PFDoA	129		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C2 PFTeDA	132		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C3 PFBS	121		25 - 150	08/22/22 04:56	08/24/22 17:01	1
18O2 PFHxS	136		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C4 PFOS	129		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C8 FOSA	129		10 - 150	08/22/22 04:56	08/24/22 17:01	1
d3-NMeFOSAA	126		25 - 150	08/22/22 04:56	08/24/22 17:01	1
d5-NEtFOSAA	137		25 - 150	08/22/22 04:56	08/24/22 17:01	1
d-N-MeFOSA-M	112		10 - 150	08/22/22 04:56	08/24/22 17:01	1
d-N-EtFOSA-M	109		10 - 150	08/22/22 04:56	08/24/22 17:01	1
d7-N-MeFOSE-M	109		10 - 150	08/22/22 04:56	08/24/22 17:01	1
d9-N-EtFOSE-M	110		10 - 150	08/22/22 04:56	08/24/22 17:01	1
M2-4:2 FTS	128		25 - 150	08/22/22 04:56	08/24/22 17:01	1
M2-8:2 FTS	136		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C3 HFPO-DA	126		25 - 150	08/22/22 04:56	08/24/22 17:01	1
13C2 10:2 FTS	138		25 - 150	08/22/22 04:56	08/24/22 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	960		41	10	ng/L		08/22/22 04:56	08/26/22 13:02	20
Perfluorohexanoic acid (PFHxA)	690		41	12	ng/L		08/22/22 04:56	08/26/22 13:02	20
6:2 FTS	3700		100	51	ng/L		08/22/22 04:56	08/26/22 13:02	20
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C5 PFPeA	104		25 - 150	08/22/22 04:56	08/26/22 13:02	20			
13C2 PFHxA	109		25 - 150	08/22/22 04:56	08/26/22 13:02	20			
M2-6:2 FTS	131		25 - 150	08/22/22 04:56	08/26/22 13:02	20			

Client Sample ID: MP-04-(080-112)-202207

Lab Sample ID: 320-90474-30

Date Collected: 07/26/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	110		6.4	3.1	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorohexanoic acid (PFHxA)	350		2.6	0.74	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluoroheptanoic acid (PFHpA)	77		2.6	0.32	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorooctanoic acid (PFOA)	93		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorononanoic acid (PFNA)	3.1		2.6	0.35	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.6	0.70	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.7		2.6	1.7	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.6	0.93	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorobutanesulfonic acid (PFBS)	0.54	J	2.6	0.26	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.6	0.38	ng/L		08/22/22 04:56	08/24/22 17:11	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(080-112)-202207

Lab Sample ID: 320-90474-30

Date Collected: 07/26/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	2.6	0.73	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.6	0.24	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.6	0.69	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.6	0.47	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.6	1.2	ng/L		08/22/22 04:56	08/24/22 17:11	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		08/22/22 04:56	08/24/22 17:11	1
NEtFOSA	<1.1		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:11	1
NMeFOSA	<0.55		2.6	0.55	ng/L		08/22/22 04:56	08/24/22 17:11	1
NMeFOSAA	<1.5		6.4	1.5	ng/L		08/22/22 04:56	08/24/22 17:11	1
NEtFOSAA	<1.7		6.4	1.7	ng/L		08/22/22 04:56	08/24/22 17:11	1
NMeFOSE	<1.8		5.1	1.8	ng/L		08/22/22 04:56	08/24/22 17:11	1
NEtFOSE	<1.1		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:11	1
4:2 FTS	20		2.6	0.31	ng/L		08/22/22 04:56	08/24/22 17:11	1
8:2 FTS	7.0		2.6	0.59	ng/L		08/22/22 04:56	08/24/22 17:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.6	0.51	ng/L		08/22/22 04:56	08/24/22 17:11	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		08/22/22 04:56	08/24/22 17:11	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		08/22/22 04:56	08/24/22 17:11	1
11Cl-PF3OUdS	<0.41		2.6	0.41	ng/L		08/22/22 04:56	08/24/22 17:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 PFHxA	110		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C4 PFHpA	105		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C4 PFOA	106		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C5 PFNA	112		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 PFDA	108		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 PFUnA	105		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 PFDoA	108		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 PFTeDA	107		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C3 PFBS	101		25 - 150				08/22/22 04:56	08/24/22 17:11	1
18O2 PFHxS	107		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C4 PFOS	103		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C8 FOSA	107		10 - 150				08/22/22 04:56	08/24/22 17:11	1
d3-NMeFOSAA	104		25 - 150				08/22/22 04:56	08/24/22 17:11	1
d5-NEtFOSAA	115		25 - 150				08/22/22 04:56	08/24/22 17:11	1
d-N-MeFOSA-M	85		10 - 150				08/22/22 04:56	08/24/22 17:11	1
d-N-EtFOSA-M	84		10 - 150				08/22/22 04:56	08/24/22 17:11	1
d7-N-MeFOSE-M	91		10 - 150				08/22/22 04:56	08/24/22 17:11	1
d9-N-EtFOSE-M	90		10 - 150				08/22/22 04:56	08/24/22 17:11	1
M2-4:2 FTS	104		25 - 150				08/22/22 04:56	08/24/22 17:11	1
M2-8:2 FTS	111		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C3 HFPO-DA	101		25 - 150				08/22/22 04:56	08/24/22 17:11	1
13C2 10:2 FTS	110		25 - 150				08/22/22 04:56	08/24/22 17:11	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(080-112)-202207

Lab Sample ID: 320-90474-30

Date Collected: 07/26/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	740		13	3.1	ng/L		08/22/22 04:56	08/26/22 11:52	5
6:2 FTS	1100		32	16	ng/L		08/22/22 04:56	08/26/22 11:52	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	104		25 - 150				08/22/22 04:56	08/26/22 11:52	5
M2-6:2 FTS	103		25 - 150				08/22/22 04:56	08/26/22 11:52	5

Client Sample ID: MP-04-(048-077)-202207

Lab Sample ID: 320-90474-31

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		4.8	2.3	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluoropentanoic acid (PFPeA)	55		1.9	0.47	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorohexanoic acid (PFHxA)	30		1.9	0.56	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluoroheptanoic acid (PFHpA)	6.0		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorooctanoic acid (PFOA)	5.0		1.9	0.82	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorobutanesulfonic acid (PFBS)	0.74 J		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		08/22/22 04:56	08/24/22 17:21	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		08/22/22 04:56	08/24/22 17:21	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/22/22 04:56	08/24/22 17:21	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 04:56	08/24/22 17:21	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 04:56	08/24/22 17:21	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/22/22 04:56	08/24/22 17:21	1
NMeFOSE	<1.3		3.9	1.3	ng/L		08/22/22 04:56	08/24/22 17:21	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/22/22 04:56	08/24/22 17:21	1
4:2 FTS	0.58 J		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 17:21	1
6:2 FTS	5.4		4.8	2.4	ng/L		08/22/22 04:56	08/24/22 17:21	1
8:2 FTS	0.97 J		1.9	0.44	ng/L		08/22/22 04:56	08/24/22 17:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 04:56	08/24/22 17:21	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		08/22/22 04:56	08/24/22 17:21	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 17:21	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 17:21	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(048-077)-202207

Lab Sample ID: 320-90474-31

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C5 PFPeA	98		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 PFHxA	109		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C4 PFHpA	107		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C4 PFOA	107		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C5 PFNA	105		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 PFDA	106		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 PFUnA	105		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 PFDoA	107		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 PFTeDA	105		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C3 PFBS	102		25 - 150	08/22/22 04:56	08/24/22 17:21	1
18O2 PFHxS	103		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C4 PFOS	103		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C8 FOSA	102		10 - 150	08/22/22 04:56	08/24/22 17:21	1
d3-NMeFOSAA	101		25 - 150	08/22/22 04:56	08/24/22 17:21	1
d5-NEtFOSAA	111		25 - 150	08/22/22 04:56	08/24/22 17:21	1
d-N-MeFOSA-M	89		10 - 150	08/22/22 04:56	08/24/22 17:21	1
d-N-EtFOSA-M	81		10 - 150	08/22/22 04:56	08/24/22 17:21	1
d7-N-MeFOSE-M	92		10 - 150	08/22/22 04:56	08/24/22 17:21	1
d9-N-EtFOSE-M	91		10 - 150	08/22/22 04:56	08/24/22 17:21	1
M2-4:2 FTS	110		25 - 150	08/22/22 04:56	08/24/22 17:21	1
M2-6:2 FTS	109		25 - 150	08/22/22 04:56	08/24/22 17:21	1
M2-8:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C3 HFPO-DA	101		25 - 150	08/22/22 04:56	08/24/22 17:21	1
13C2 10:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 17:21	1

Client Sample ID: MP-05-(SWL-065)-202207

Lab Sample ID: 320-90474-32

Date Collected: 07/26/22 11:08

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	19		4.7	2.2	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoropentanoic acid (PFPeA)	46		1.9	0.46	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorohexanoic acid (PFHxA)	28		1.9	0.54	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoroheptanoic acid (PFHpA)	15		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorooctanoic acid (PFOA)	9.4		1.9	0.80	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorononanoic acid (PFNA)	0.34	J	1.9	0.25	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.9	0.19	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluoronanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 04:56	08/24/22 17:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-05-(SWL-065)-202207

Lab Sample ID: 320-90474-32

Date Collected: 07/26/22 11:08

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 17:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/22/22 04:56	08/24/22 17:31	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/22/22 04:56	08/24/22 17:31	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 17:31	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/22/22 04:56	08/24/22 17:31	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/22/22 04:56	08/24/22 17:31	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/22/22 04:56	08/24/22 17:31	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/22/22 04:56	08/24/22 17:31	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/22/22 04:56	08/24/22 17:31	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/22/22 04:56	08/24/22 17:31	1
6:2 FTS	<2.3		4.7	2.3	ng/L		08/22/22 04:56	08/24/22 17:31	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/22/22 04:56	08/24/22 17:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/22/22 04:56	08/24/22 17:31	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/22/22 04:56	08/24/22 17:31	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/22/22 04:56	08/24/22 17:31	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 17:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C5 PFPeA	81		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 PFHxA	89		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C4 PFHpA	87		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C4 PFOA	87		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C5 PFNA	86		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 PFDA	83		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 PFUnA	79		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 PFDoA	73		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 PFTeDA	59		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C3 PFBS	79		25 - 150				08/22/22 04:56	08/24/22 17:31	1
18O2 PFHxS	82		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C4 PFOS	78		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C8 FOSA	80		10 - 150				08/22/22 04:56	08/24/22 17:31	1
d3-NMeFOSAA	74		25 - 150				08/22/22 04:56	08/24/22 17:31	1
d5-NEtFOSAA	84		25 - 150				08/22/22 04:56	08/24/22 17:31	1
d-N-MeFOSA-M	59		10 - 150				08/22/22 04:56	08/24/22 17:31	1
d-N-EtFOSA-M	55		10 - 150				08/22/22 04:56	08/24/22 17:31	1
d7-N-MeFOSE-M	59		10 - 150				08/22/22 04:56	08/24/22 17:31	1
d9-N-EtFOSE-M	55		10 - 150				08/22/22 04:56	08/24/22 17:31	1
M2-4:2 FTS	85		25 - 150				08/22/22 04:56	08/24/22 17:31	1
M2-6:2 FTS	85		25 - 150				08/22/22 04:56	08/24/22 17:31	1
M2-8:2 FTS	83		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C3 HFPO-DA	78		25 - 150				08/22/22 04:56	08/24/22 17:31	1
13C2 10:2 FTS	74		25 - 150				08/22/22 04:56	08/24/22 17:31	1

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-01-202207

Lab Sample ID: 320-90474-33

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	19		6.5	3.1	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluoropentanoic acid (PFPeA)	46		2.6	0.63	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorohexanoic acid (PFHxA)	29		2.6	0.75	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluoroheptanoic acid (PFHpA)	15		2.6	0.32	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorooctanoic acid (PFOA)	9.4		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorononanoic acid (PFNA)	0.49	J	2.6	0.35	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorodecanoic acid (PFDA)	<0.40		2.6	0.40	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.6	1.4	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorododecanoic acid (PFDoA)	<0.71		2.6	0.71	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.7		2.6	1.7	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.95		2.6	0.95	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorobutanesulfonic acid (PFBS)	0.65	J	2.6	0.26	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.6	0.39	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.74		2.6	0.74	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.25		2.6	0.25	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.70		2.6	0.70	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorononanesulfonic acid (PFNS)	<0.48		2.6	0.48	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.6	0.41	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorododecanesulfonic acid (PFDoS)	<1.3		2.6	1.3	ng/L		08/22/22 04:56	08/24/22 17:41	1
Perfluorooctanesulfonamide (FOSA)	<1.3		2.6	1.3	ng/L		08/22/22 04:56	08/24/22 17:41	1
NEtFOSA	<1.1		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:41	1
NMeFOSA	<0.56		2.6	0.56	ng/L		08/22/22 04:56	08/24/22 17:41	1
NMeFOSAA	<1.6		6.5	1.6	ng/L		08/22/22 04:56	08/24/22 17:41	1
NEtFOSAA	<1.7		6.5	1.7	ng/L		08/22/22 04:56	08/24/22 17:41	1
NMeFOSE	<1.8		5.2	1.8	ng/L		08/22/22 04:56	08/24/22 17:41	1
NEtFOSE	<1.1		2.6	1.1	ng/L		08/22/22 04:56	08/24/22 17:41	1
4:2 FTS	<0.31		2.6	0.31	ng/L		08/22/22 04:56	08/24/22 17:41	1
6:2 FTS	<3.2		6.5	3.2	ng/L		08/22/22 04:56	08/24/22 17:41	1
8:2 FTS	<0.60		2.6	0.60	ng/L		08/22/22 04:56	08/24/22 17:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.52		2.6	0.52	ng/L		08/22/22 04:56	08/24/22 17:41	1
HFPO-DA (GenX)	<1.9		5.2	1.9	ng/L		08/22/22 04:56	08/24/22 17:41	1
9Cl-PF3ONS	<0.31		2.6	0.31	ng/L		08/22/22 04:56	08/24/22 17:41	1
11Cl-PF3OUdS	<0.41		2.6	0.41	ng/L		08/22/22 04:56	08/24/22 17:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C5 PFPeA	92		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 PFHxA	96		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C4 PFHpA	92		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C4 PFOA	97		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C5 PFNA	94		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 PFDA	96		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 PFUnA	91		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 PFDoA	87		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 PFTeDA	70		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C3 PFBS	90		25 - 150	08/22/22 04:56	08/24/22 17:41	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-01-202207

Lab Sample ID: 320-90474-33

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	91		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C4 PFOS	89		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C8 FOSA	93		10 - 150	08/22/22 04:56	08/24/22 17:41	1
d3-NMeFOSAA	91		25 - 150	08/22/22 04:56	08/24/22 17:41	1
d5-NEtFOSAA	97		25 - 150	08/22/22 04:56	08/24/22 17:41	1
d-N-MeFOSA-M	66		10 - 150	08/22/22 04:56	08/24/22 17:41	1
d-N-EtFOSA-M	62		10 - 150	08/22/22 04:56	08/24/22 17:41	1
d7-N-MeFOSE-M	67		10 - 150	08/22/22 04:56	08/24/22 17:41	1
d9-N-EtFOSE-M	61		10 - 150	08/22/22 04:56	08/24/22 17:41	1
M2-4:2 FTS	99		25 - 150	08/22/22 04:56	08/24/22 17:41	1
M2-6:2 FTS	98		25 - 150	08/22/22 04:56	08/24/22 17:41	1
M2-8:2 FTS	98		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C3 HFPO-DA	92		25 - 150	08/22/22 04:56	08/24/22 17:41	1
13C2 10:2 FTS	91		25 - 150	08/22/22 04:56	08/24/22 17:41	1

Client Sample ID: DUP-02-202207

Lab Sample ID: 320-90474-34

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	190		4.8	2.3	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluoroheptanoic acid (PFHpA)	170		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorooctanoic acid (PFOA)	250		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorononanoic acid (PFNA)	14		1.9	0.26	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorodecanoic acid (PFDA)	0.99	J	1.9	0.30	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorobutanesulfonic acid (PFBS)	0.96	J	1.9	0.19	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluoropentanesulfonic acid (PFPeS)	0.84	J	1.9	0.29	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorohexanesulfonic acid (PFHxS)	4.8		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorooctanesulfonic acid (PFOS)	4.7		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		08/22/22 04:56	08/24/22 17:52	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		08/22/22 04:56	08/24/22 17:52	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/22/22 04:56	08/24/22 17:52	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 04:56	08/24/22 17:52	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		08/22/22 04:56	08/24/22 17:52	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 04:56	08/24/22 17:52	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 04:56	08/24/22 17:52	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 17:52	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-02-202207

Lab Sample ID: 320-90474-34

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	61		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 17:52	1
8:2 FTS	180		1.9	0.44	ng/L		08/22/22 04:56	08/24/22 17:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 04:56	08/24/22 17:52	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 04:56	08/24/22 17:52	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 17:52	1
11CI-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 17:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	129		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C4 PFHpA	134		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C4 PFOA	105		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C5 PFNA	136		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C2 PFDA	134		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C2 PFUnA	132		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C2 PFDoA	133		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C2 PFTeDA	137		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C3 PFBS	128		25 - 150	08/22/22 04:56	08/24/22 17:52	1
18O2 PFHxS	137		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C4 PFOS	131		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C8 FOSA	133		10 - 150	08/22/22 04:56	08/24/22 17:52	1
d3-NMeFOSAA	131		25 - 150	08/22/22 04:56	08/24/22 17:52	1
d5-NEtFOSAA	145		25 - 150	08/22/22 04:56	08/24/22 17:52	1
d-N-MeFOSA-M	107		10 - 150	08/22/22 04:56	08/24/22 17:52	1
d-N-EtFOSA-M	104		10 - 150	08/22/22 04:56	08/24/22 17:52	1
d7-N-MeFOSE-M	113		10 - 150	08/22/22 04:56	08/24/22 17:52	1
d9-N-EtFOSE-M	110		10 - 150	08/22/22 04:56	08/24/22 17:52	1
M2-4:2 FTS	122		25 - 150	08/22/22 04:56	08/24/22 17:52	1
M2-8:2 FTS	144		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C3 HFPO-DA	127		25 - 150	08/22/22 04:56	08/24/22 17:52	1
13C2 10:2 FTS	145		25 - 150	08/22/22 04:56	08/24/22 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	920		38	9.4	ng/L		08/22/22 04:56	08/28/22 10:30	20
Perfluorohexanoic acid (PFHxA)	690		38	11	ng/L		08/22/22 04:56	08/28/22 10:30	20
6:2 FTS	3900		96	48	ng/L		08/22/22 04:56	08/28/22 10:30	20
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C5 PFPeA	102		25 - 150	08/22/22 04:56	08/28/22 10:30	20			
13C2 PFHxA	102		25 - 150	08/22/22 04:56	08/28/22 10:30	20			
M2-6:2 FTS	122		25 - 150	08/22/22 04:56	08/28/22 10:30	20			

Client Sample ID: DUP-03-202207

Lab Sample ID: 320-90474-35

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	52		6.3	3.0	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluoropentanoic acid (PFPeA)	330		2.5	0.62	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorohexanoic acid (PFHxA)	160		2.5	0.74	ng/L		08/22/22 04:56	08/24/22 18:02	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-03-202207

Lab Sample ID: 320-90474-35

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	72		2.5	0.32	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorooctanoic acid (PFOA)	68		2.5	1.1	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorononanoic acid (PFNA)	5.1		2.5	0.34	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorodecanoic acid (PFDA)	0.55	J	2.5	0.39	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluoroundecanoic acid (PFUnA)	<1.4		2.5	1.4	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.5	0.70	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.5	1.6	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.93		2.5	0.93	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorobutanesulfonic acid (PFBS)	0.26	J	2.5	0.25	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.5	0.38	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.76	J	2.5	0.72	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.24		2.5	0.24	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	2.5	0.69	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorononanesulfonic acid (PFNS)	<0.47		2.5	0.47	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.41		2.5	0.41	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.5	1.2	ng/L		08/22/22 04:56	08/24/22 18:02	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.5	1.2	ng/L		08/22/22 04:56	08/24/22 18:02	1
NEtFOSA	<1.1		2.5	1.1	ng/L		08/22/22 04:56	08/24/22 18:02	1
NMeFOSA	<0.55		2.5	0.55	ng/L		08/22/22 04:56	08/24/22 18:02	1
NMeFOSAA	<1.5		6.3	1.5	ng/L		08/22/22 04:56	08/24/22 18:02	1
NEtFOSAA	<1.6		6.3	1.6	ng/L		08/22/22 04:56	08/24/22 18:02	1
NMeFOSE	<1.8		5.1	1.8	ng/L		08/22/22 04:56	08/24/22 18:02	1
NEtFOSE	<1.1		2.5	1.1	ng/L		08/22/22 04:56	08/24/22 18:02	1
4:2 FTS	3.5		2.5	0.30	ng/L		08/22/22 04:56	08/24/22 18:02	1
6:2 FTS	370		6.3	3.2	ng/L		08/22/22 04:56	08/24/22 18:02	1
8:2 FTS	23		2.5	0.58	ng/L		08/22/22 04:56	08/24/22 18:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.51		2.5	0.51	ng/L		08/22/22 04:56	08/24/22 18:02	1
HFPO-DA (GenX)	<1.9		5.1	1.9	ng/L		08/22/22 04:56	08/24/22 18:02	1
9CI-PF3ONS	<0.30		2.5	0.30	ng/L		08/22/22 04:56	08/24/22 18:02	1
11CI-PF3OUdS	<0.41		2.5	0.41	ng/L		08/22/22 04:56	08/24/22 18:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C5 PFPeA	100		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C2 PFHxA	110		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C4 PFHpA	104		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C4 PFOA	108		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C5 PFNA	108		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C2 PFDA	105		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C2 PFUnA	105		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C2 PFDoA	108		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C2 PFTeDA	104		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C3 PFBS	105		25 - 150				08/22/22 04:56	08/24/22 18:02	1
18O2 PFHxS	111		25 - 150				08/22/22 04:56	08/24/22 18:02	1
13C4 PFOS	108		25 - 150				08/22/22 04:56	08/24/22 18:02	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-03-202207

Lab Sample ID: 320-90474-35

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	106		10 - 150	08/22/22 04:56	08/24/22 18:02	1
d3-NMeFOSAA	105		25 - 150	08/22/22 04:56	08/24/22 18:02	1
d5-NEtFOSAA	112		25 - 150	08/22/22 04:56	08/24/22 18:02	1
d-N-MeFOSA-M	85		10 - 150	08/22/22 04:56	08/24/22 18:02	1
d-N-EtFOSA-M	82		10 - 150	08/22/22 04:56	08/24/22 18:02	1
d7-N-MeFOSE-M	89		10 - 150	08/22/22 04:56	08/24/22 18:02	1
d9-N-EtFOSE-M	90		10 - 150	08/22/22 04:56	08/24/22 18:02	1
M2-4:2 FTS	107		25 - 150	08/22/22 04:56	08/24/22 18:02	1
M2-6:2 FTS	107		25 - 150	08/22/22 04:56	08/24/22 18:02	1
M2-8:2 FTS	109		25 - 150	08/22/22 04:56	08/24/22 18:02	1
13C3 HFPO-DA	98		25 - 150	08/22/22 04:56	08/24/22 18:02	1
13C2 10:2 FTS	105		25 - 150	08/22/22 04:56	08/24/22 18:02	1

Client Sample ID: DUP-04-202207

Lab Sample ID: 320-90474-36

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		4.9	2.4	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluoropentanoic acid (PFPeA)	95		2.0	0.48	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorohexanoic acid (PFHxA)	69		2.0	0.57	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluoroheptanoic acid (PFHpA)	24		2.0	0.25	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorooctanoic acid (PFOA)	49		2.0	0.84	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorononanoic acid (PFNA)	2.5		2.0	0.27	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorooctanesulfonic acid (PFOS)	0.92	J	2.0	0.53	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		08/22/22 04:56	08/24/22 18:12	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		08/22/22 04:56	08/24/22 18:12	1
NEtFOSA	<0.86		2.0	0.86	ng/L		08/22/22 04:56	08/24/22 18:12	1
NMeFOSA	<0.42		2.0	0.42	ng/L		08/22/22 04:56	08/24/22 18:12	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		08/22/22 04:56	08/24/22 18:12	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		08/22/22 04:56	08/24/22 18:12	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 04:56	08/24/22 18:12	1
NEtFOSE	<0.84		2.0	0.84	ng/L		08/22/22 04:56	08/24/22 18:12	1
4:2 FTS	4.9		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 18:12	1
8:2 FTS	46		2.0	0.45	ng/L		08/22/22 04:56	08/24/22 18:12	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-04-202207

Lab Sample ID: 320-90474-36

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		08/22/22 04:56	08/24/22 18:12	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 04:56	08/24/22 18:12	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 18:12	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 18:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C5 PFPeA	94		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 PFHxA	104		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C4 PFHpA	106		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C4 PFOA	104		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C5 PFNA	106		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 PFDA	110		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 PFUnA	120		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 PFDoA	112		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 PFTeDA	112		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C3 PFBS	99		25 - 150				08/22/22 04:56	08/24/22 18:12	1
18O2 PFHxS	107		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C4 PFOS	102		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C8 FOSA	106		10 - 150				08/22/22 04:56	08/24/22 18:12	1
d3-NMeFOSAA	106		25 - 150				08/22/22 04:56	08/24/22 18:12	1
d5-NEtFOSAA	160	*5+	25 - 150				08/22/22 04:56	08/24/22 18:12	1
d-N-MeFOSA-M	83		10 - 150				08/22/22 04:56	08/24/22 18:12	1
d-N-EtFOSA-M	84		10 - 150				08/22/22 04:56	08/24/22 18:12	1
d7-N-MeFOSE-M	91		10 - 150				08/22/22 04:56	08/24/22 18:12	1
d9-N-EtFOSE-M	90		10 - 150				08/22/22 04:56	08/24/22 18:12	1
M2-4:2 FTS	107		25 - 150				08/22/22 04:56	08/24/22 18:12	1
M2-8:2 FTS	135		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C3 HFPO-DA	97		25 - 150				08/22/22 04:56	08/24/22 18:12	1
13C2 10:2 FTS	133		25 - 150				08/22/22 04:56	08/24/22 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	750		25	12	ng/L		08/22/22 04:56	08/26/22 12:02	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	107		25 - 150				08/22/22 04:56	08/26/22 12:02	5

Client Sample ID: MP-01-EB-202207

Lab Sample ID: 320-90474-37

Date Collected: 07/27/22 13:50

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 18:22	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-EB-202207

Lab Sample ID: 320-90474-37

Date Collected: 07/27/22 13:50

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		08/22/22 04:56	08/24/22 18:22	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		08/22/22 04:56	08/24/22 18:22	1
NEtFOSA	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 18:22	1
NMeFOSA	<0.40		1.9	0.40	ng/L		08/22/22 04:56	08/24/22 18:22	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/22/22 04:56	08/24/22 18:22	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/22/22 04:56	08/24/22 18:22	1
NMeFOSE	<1.3		3.7	1.3	ng/L		08/22/22 04:56	08/24/22 18:22	1
NEtFOSE	<0.79		1.9	0.79	ng/L		08/22/22 04:56	08/24/22 18:22	1
4:2 FTS	<0.22		1.9	0.22	ng/L		08/22/22 04:56	08/24/22 18:22	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/22/22 04:56	08/24/22 18:22	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/22/22 04:56	08/24/22 18:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		08/22/22 04:56	08/24/22 18:22	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		08/22/22 04:56	08/24/22 18:22	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		08/22/22 04:56	08/24/22 18:22	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 18:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C5 PFPeA	94		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C2 PFHxA	104		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C4 PFHpA	101		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C4 PFOA	103		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C5 PFNA	104		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C2 PFDA	104		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C2 PFUnA	101		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C2 PFDoA	106		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C2 PFTeDA	101		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C3 PFBS	96		25 - 150				08/22/22 04:56	08/24/22 18:22	1
18O2 PFHxS	100		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C4 PFOS	95		25 - 150				08/22/22 04:56	08/24/22 18:22	1
13C8 FOSA	98		10 - 150				08/22/22 04:56	08/24/22 18:22	1
d3-NMeFOSAA	104		25 - 150				08/22/22 04:56	08/24/22 18:22	1
d5-NEtFOSAA	112		25 - 150				08/22/22 04:56	08/24/22 18:22	1
d-N-MeFOSA-M	76		10 - 150				08/22/22 04:56	08/24/22 18:22	1
d-N-EtFOSA-M	80		10 - 150				08/22/22 04:56	08/24/22 18:22	1
d7-N-MeFOSE-M	86		10 - 150				08/22/22 04:56	08/24/22 18:22	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-EB-202207

Lab Sample ID: 320-90474-37

Date Collected: 07/27/22 13:50

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	88		10 - 150	08/22/22 04:56	08/24/22 18:22	1
M2-4:2 FTS	105		25 - 150	08/22/22 04:56	08/24/22 18:22	1
M2-6:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 18:22	1
M2-8:2 FTS	126		25 - 150	08/22/22 04:56	08/24/22 18:22	1
13C3 HFPO-DA	98		25 - 150	08/22/22 04:56	08/24/22 18:22	1
13C2 10:2 FTS	127		25 - 150	08/22/22 04:56	08/24/22 18:22	1

Client Sample ID: MP-02-EB-202207

Lab Sample ID: 320-90474-38

Date Collected: 07/27/22 09:45

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 18:32	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/22/22 04:56	08/24/22 18:32	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/22/22 04:56	08/24/22 18:32	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/22/22 04:56	08/24/22 18:32	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 04:56	08/24/22 18:32	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		08/22/22 04:56	08/24/22 18:32	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 04:56	08/24/22 18:32	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 04:56	08/24/22 18:32	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 18:32	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 18:32	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/22/22 04:56	08/24/22 18:32	1
8:2 FTS	<0.44		1.9	0.44	ng/L		08/22/22 04:56	08/24/22 18:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 04:56	08/24/22 18:32	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 04:56	08/24/22 18:32	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 18:32	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 18:32	1

Eurofins Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-EB-202207

Lab Sample ID: 320-90474-38

Date Collected: 07/27/22 09:45

Matrix: Water

Date Received: 07/29/22 09:25

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C5 PFPeA	98		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 PFHxA	104		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C4 PFHpA	105		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C4 PFOA	107		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C5 PFNA	108		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 PFDA	106		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 PFUnA	104		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 PFDoA	107		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 PFTeDA	105		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C3 PFBS	96		25 - 150	08/22/22 04:56	08/24/22 18:32	1
18O2 PFHxS	102		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C4 PFOS	98		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C8 FOSA	98		10 - 150	08/22/22 04:56	08/24/22 18:32	1
d3-NMeFOSAA	103		25 - 150	08/22/22 04:56	08/24/22 18:32	1
d5-NEtFOSAA	111		25 - 150	08/22/22 04:56	08/24/22 18:32	1
d-N-MeFOSA-M	77		10 - 150	08/22/22 04:56	08/24/22 18:32	1
d-N-EtFOSA-M	77		10 - 150	08/22/22 04:56	08/24/22 18:32	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 18:32	1
d9-N-EtFOSE-M	86		10 - 150	08/22/22 04:56	08/24/22 18:32	1
M2-4:2 FTS	112		25 - 150	08/22/22 04:56	08/24/22 18:32	1
M2-6:2 FTS	109		25 - 150	08/22/22 04:56	08/24/22 18:32	1
M2-8:2 FTS	116		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C3 HFPO-DA	102		25 - 150	08/22/22 04:56	08/24/22 18:32	1
13C2 10:2 FTS	120		25 - 150	08/22/22 04:56	08/24/22 18:32	1

Client Sample ID: MP-03-EB-202207

Lab Sample ID: 320-90474-39

Date Collected: 07/26/22 14:12

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 19:13	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 04:56	08/24/22 19:13	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-EB-202207

Lab Sample ID: 320-90474-39

Date Collected: 07/26/22 14:12

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 19:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		08/22/22 04:56	08/24/22 19:13	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		08/22/22 04:56	08/24/22 19:13	1
NEtFOSA	<0.82		1.9	0.82	ng/L		08/22/22 04:56	08/24/22 19:13	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 04:56	08/24/22 19:13	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/22/22 04:56	08/24/22 19:13	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/22/22 04:56	08/24/22 19:13	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 04:56	08/24/22 19:13	1
NEtFOSE	<0.80		1.9	0.80	ng/L		08/22/22 04:56	08/24/22 19:13	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:13	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/22/22 04:56	08/24/22 19:13	1
8:2 FTS	<0.43		1.9	0.43	ng/L		08/22/22 04:56	08/24/22 19:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 04:56	08/24/22 19:13	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 04:56	08/24/22 19:13	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:13	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 19:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C5 PFPeA	97		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 PFHxA	103		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C4 PFHpA	104		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C4 PFOA	105		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C5 PFNA	105		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 PFDA	103		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 PFUnA	102		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 PFDoA	106		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 PFTeDA	100		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C3 PFBS	97		25 - 150				08/22/22 04:56	08/24/22 19:13	1
18O2 PFHxS	102		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C4 PFOS	98		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C8 FOSA	97		10 - 150				08/22/22 04:56	08/24/22 19:13	1
d3-NMeFOSAA	102		25 - 150				08/22/22 04:56	08/24/22 19:13	1
d5-NEtFOSAA	108		25 - 150				08/22/22 04:56	08/24/22 19:13	1
d-N-MeFOSA-M	72		10 - 150				08/22/22 04:56	08/24/22 19:13	1
d-N-EtFOSA-M	73		10 - 150				08/22/22 04:56	08/24/22 19:13	1
d7-N-MeFOSE-M	82		10 - 150				08/22/22 04:56	08/24/22 19:13	1
d9-N-EtFOSE-M	82		10 - 150				08/22/22 04:56	08/24/22 19:13	1
M2-4:2 FTS	105		25 - 150				08/22/22 04:56	08/24/22 19:13	1
M2-6:2 FTS	103		25 - 150				08/22/22 04:56	08/24/22 19:13	1
M2-8:2 FTS	114		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C3 HFPO-DA	97		25 - 150				08/22/22 04:56	08/24/22 19:13	1
13C2 10:2 FTS	127		25 - 150				08/22/22 04:56	08/24/22 19:13	1

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-EB-202207

Lab Sample ID: 320-90474-40

Date Collected: 07/26/22 11:55

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 19:23	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		08/22/22 04:56	08/24/22 19:23	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		08/22/22 04:56	08/24/22 19:23	1
NEtFOSA	<0.84		1.9	0.84	ng/L		08/22/22 04:56	08/24/22 19:23	1
NMeFOSA	<0.42		1.9	0.42	ng/L		08/22/22 04:56	08/24/22 19:23	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		08/22/22 04:56	08/24/22 19:23	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		08/22/22 04:56	08/24/22 19:23	1
NMeFOSE	<1.4		3.9	1.4	ng/L		08/22/22 04:56	08/24/22 19:23	1
NEtFOSE	<0.82		1.9	0.82	ng/L		08/22/22 04:56	08/24/22 19:23	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:23	1
6:2 FTS	<2.4		4.8	2.4	ng/L		08/22/22 04:56	08/24/22 19:23	1
8:2 FTS	<0.45		1.9	0.45	ng/L		08/22/22 04:56	08/24/22 19:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		08/22/22 04:56	08/24/22 19:23	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		08/22/22 04:56	08/24/22 19:23	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:23	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		08/22/22 04:56	08/24/22 19:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C5 PFPeA	107		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 PFHxA	110		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C4 PFHpA	109		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C4 PFOA	107		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C5 PFNA	111		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 PFDA	111		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 PFUnA	105		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 PFDoA	110		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 PFTeDA	107		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C3 PFBS	105		25 - 150	08/22/22 04:56	08/24/22 19:23	1
18O2 PFHxS	106		25 - 150	08/22/22 04:56	08/24/22 19:23	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-EB-202207

Lab Sample ID: 320-90474-40

Date Collected: 07/26/22 11:55

Matrix: Water

Date Received: 07/29/22 09:25

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	104		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C8 FOSA	103		10 - 150	08/22/22 04:56	08/24/22 19:23	1
d3-NMeFOSAA	108		25 - 150	08/22/22 04:56	08/24/22 19:23	1
d5-NEtFOSAA	114		25 - 150	08/22/22 04:56	08/24/22 19:23	1
d-N-MeFOSA-M	82		10 - 150	08/22/22 04:56	08/24/22 19:23	1
d-N-EtFOSA-M	83		10 - 150	08/22/22 04:56	08/24/22 19:23	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 19:23	1
d9-N-EtFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 19:23	1
M2-4:2 FTS	112		25 - 150	08/22/22 04:56	08/24/22 19:23	1
M2-6:2 FTS	118		25 - 150	08/22/22 04:56	08/24/22 19:23	1
M2-8:2 FTS	128		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C3 HFPO-DA	102		25 - 150	08/22/22 04:56	08/24/22 19:23	1
13C2 10:2 FTS	131		25 - 150	08/22/22 04:56	08/24/22 19:23	1

Client Sample ID: MP-05-EB-202207

Lab Sample ID: 320-90474-41

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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		4.7	2.3	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		08/22/22 04:56	08/24/22 19:33	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		08/22/22 04:56	08/24/22 19:33	1
NEtFOSA	<0.83		1.9	0.83	ng/L		08/22/22 04:56	08/24/22 19:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		08/22/22 04:56	08/24/22 19:33	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		08/22/22 04:56	08/24/22 19:33	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		08/22/22 04:56	08/24/22 19:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		08/22/22 04:56	08/24/22 19:33	1
NEtFOSE	<0.81		1.9	0.81	ng/L		08/22/22 04:56	08/24/22 19:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		08/22/22 04:56	08/24/22 19:33	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-05-EB-202207

Lab Sample ID: 320-90474-41

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.44		1.9	0.44	ng/L		08/22/22 04:56	08/24/22 19:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		08/22/22 04:56	08/24/22 19:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		08/22/22 04:56	08/24/22 19:33	1
9CI-PF3ONS	<0.23		1.9	0.23	ng/L		08/22/22 04:56	08/24/22 19:33	1
11CI-PF3OUdS	<0.30		1.9	0.30	ng/L		08/22/22 04:56	08/24/22 19:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C5 PFPeA	102		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 PFHxA	109		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C4 PFHpA	108		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C4 PFOA	108		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C5 PFNA	109		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 PFDA	108		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 PFUnA	106		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 PFDoA	107		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 PFTeDA	101		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C3 PFBS	104		25 - 150				08/22/22 04:56	08/24/22 19:33	1
18O2 PFHxS	111		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C4 PFOS	105		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C8 FOSA	101		10 - 150				08/22/22 04:56	08/24/22 19:33	1
d3-NMeFOSAA	103		25 - 150				08/22/22 04:56	08/24/22 19:33	1
d5-NEtFOSAA	112		25 - 150				08/22/22 04:56	08/24/22 19:33	1
d-N-MeFOSA-M	82		10 - 150				08/22/22 04:56	08/24/22 19:33	1
d-N-EtFOSA-M	81		10 - 150				08/22/22 04:56	08/24/22 19:33	1
d7-N-MeFOSE-M	85		10 - 150				08/22/22 04:56	08/24/22 19:33	1
d9-N-EtFOSE-M	83		10 - 150				08/22/22 04:56	08/24/22 19:33	1
M2-4:2 FTS	113		25 - 150				08/22/22 04:56	08/24/22 19:33	1
M2-6:2 FTS	111		25 - 150				08/22/22 04:56	08/24/22 19:33	1
M2-8:2 FTS	117		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C3 HFPO-DA	99		25 - 150				08/22/22 04:56	08/24/22 19:33	1
13C2 10:2 FTS	117		25 - 150				08/22/22 04:56	08/24/22 19:33	1

Client Sample ID: FB-01-202207

Lab Sample ID: 320-90474-42

Date Collected: 07/26/22 16:25

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/22/22 04:56	08/24/22 19:43	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: FB-01-202207

Lab Sample ID: 320-90474-42

Date Collected: 07/26/22 16:25

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/22/22 04:56	08/24/22 19:43	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/22/22 04:56	08/24/22 19:43	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/22/22 04:56	08/24/22 19:43	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 04:56	08/24/22 19:43	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 04:56	08/24/22 19:43	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 04:56	08/24/22 19:43	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 04:56	08/24/22 19:43	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/22/22 04:56	08/24/22 19:43	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 19:43	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/22/22 04:56	08/24/22 19:43	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/22/22 04:56	08/24/22 19:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 04:56	08/24/22 19:43	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/22/22 04:56	08/24/22 19:43	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 19:43	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 19:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C5 PFPeA	98		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 PFHxA	106		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C4 PFHpA	103		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C4 PFOA	104		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C5 PFNA	103		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 PFDA	102		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 PFUnA	100		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 PFDoA	103		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 PFTeDA	99		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C3 PFBS	100		25 - 150	08/22/22 04:56	08/24/22 19:43	1
18O2 PFHxS	107		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C4 PFOS	101		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C8 FOSA	96		10 - 150	08/22/22 04:56	08/24/22 19:43	1
d3-NMeFOSAA	100		25 - 150	08/22/22 04:56	08/24/22 19:43	1
d5-NEtFOSAA	105		25 - 150	08/22/22 04:56	08/24/22 19:43	1
d-N-MeFOSA-M	81		10 - 150	08/22/22 04:56	08/24/22 19:43	1
d-N-EtFOSA-M	83		10 - 150	08/22/22 04:56	08/24/22 19:43	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 19:43	1
d9-N-EtFOSE-M	83		10 - 150	08/22/22 04:56	08/24/22 19:43	1
M2-4:2 FTS	111		25 - 150	08/22/22 04:56	08/24/22 19:43	1
M2-6:2 FTS	111		25 - 150	08/22/22 04:56	08/24/22 19:43	1
M2-8:2 FTS	105		25 - 150	08/22/22 04:56	08/24/22 19:43	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: FB-01-202207

Lab Sample ID: 320-90474-42

Date Collected: 07/26/22 16:25

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	99		25 - 150	08/22/22 04:56	08/24/22 19:43	1
13C2 10:2 FTS	106		25 - 150	08/22/22 04:56	08/24/22 19:43	1

Client Sample ID: MW-01-202207

Lab Sample ID: 320-90474-43

Date Collected: 07/27/22 12:37

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	260		4.6	2.2	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluoroheptanoic acid (PFHpA)	360		1.8	0.23	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorooctanoic acid (PFOA)	110		1.8	0.78	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorononanoic acid (PFNA)	12		1.8	0.25	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorobutanesulfonic acid (PFBS)	0.84	J	1.8	0.18	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorohexanesulfonic acid (PFHxS)	0.91	J	1.8	0.52	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorooctanesulfonic acid (PFOS)	2.8		1.8	0.49	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		08/22/22 04:56	08/24/22 19:53	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/22/22 04:56	08/24/22 19:53	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/22/22 04:56	08/24/22 19:53	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 04:56	08/24/22 19:53	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/22/22 04:56	08/24/22 19:53	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/22/22 04:56	08/24/22 19:53	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 04:56	08/24/22 19:53	1
NEtFOSE	<0.78		1.8	0.78	ng/L		08/22/22 04:56	08/24/22 19:53	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 19:53	1
8:2 FTS	13		1.8	0.42	ng/L		08/22/22 04:56	08/24/22 19:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 04:56	08/24/22 19:53	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/22/22 04:56	08/24/22 19:53	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 19:53	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 19:53	1
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
13C4 PFBA	97		25 - 150	08/22/22 04:56	08/24/22 19:53	1			
13C4 PFHpA	100		25 - 150	08/22/22 04:56	08/24/22 19:53	1			
13C4 PFOA	105		25 - 150	08/22/22 04:56	08/24/22 19:53	1			
13C5 PFNA	104		25 - 150	08/22/22 04:56	08/24/22 19:53	1			

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-01-202207

Lab Sample ID: 320-90474-43

Date Collected: 07/27/22 12:37

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	107		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C2 PFUnA	103		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C2 PFDoA	109		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C2 PFTeDA	103		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C3 PFBS	100		25 - 150	08/22/22 04:56	08/24/22 19:53	1
18O2 PFHxS	102		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C4 PFOS	101		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C8 FOSA	106		10 - 150	08/22/22 04:56	08/24/22 19:53	1
d3-NMeFOSAA	107		25 - 150	08/22/22 04:56	08/24/22 19:53	1
d5-NEtFOSAA	111		25 - 150	08/22/22 04:56	08/24/22 19:53	1
d-N-MeFOSA-M	90		10 - 150	08/22/22 04:56	08/24/22 19:53	1
d-N-EtFOSA-M	89		10 - 150	08/22/22 04:56	08/24/22 19:53	1
d7-N-MeFOSE-M	91		10 - 150	08/22/22 04:56	08/24/22 19:53	1
d9-N-EtFOSE-M	87		10 - 150	08/22/22 04:56	08/24/22 19:53	1
M2-4:2 FTS	95		25 - 150	08/22/22 04:56	08/24/22 19:53	1
M2-8:2 FTS	108		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C3 HFPO-DA	99		25 - 150	08/22/22 04:56	08/24/22 19:53	1
13C2 10:2 FTS	110		25 - 150	08/22/22 04:56	08/24/22 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1100		18	4.5	ng/L		08/22/22 04:56	08/26/22 12:22	10
Perfluorohexanoic acid (PFHxA)	680		18	5.3	ng/L		08/22/22 04:56	08/26/22 12:22	10
6:2 FTS	640		46	23	ng/L		08/22/22 04:56	08/26/22 12:22	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	98		25 - 150	08/22/22 04:56	08/26/22 12:22	10
13C2 PFHxA	104		25 - 150	08/22/22 04:56	08/26/22 12:22	10
M2-6:2 FTS	103		25 - 150	08/22/22 04:56	08/26/22 12:22	10

Client Sample ID: MW-02-202207

Lab Sample ID: 320-90474-44

Date Collected: 07/27/22 11:58

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	230		4.5	2.2	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluoroheptanoic acid (PFHpA)	220		1.8	0.23	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorooctanoic acid (PFOA)	160		1.8	0.77	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorononanoic acid (PFNA)	13		1.8	0.24	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorodecanoic acid (PFDA)	0.66	J	1.8	0.28	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorobutanesulfonic acid (PFBS)	0.44	J	1.8	0.18	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.51	ng/L		08/22/22 04:56	08/24/22 20:03	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-02-202207

Lab Sample ID: 320-90474-44

Date Collected: 07/27/22 11:58

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 04:56	08/24/22 20:03	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	0.49	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/22/22 04:56	08/24/22 20:03	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/22/22 04:56	08/24/22 20:03	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/22/22 04:56	08/24/22 20:03	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 04:56	08/24/22 20:03	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 04:56	08/24/22 20:03	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 04:56	08/24/22 20:03	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 04:56	08/24/22 20:03	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/22/22 04:56	08/24/22 20:03	1
4:2 FTS	2.0		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 20:03	1
8:2 FTS	28		1.8	0.41	ng/L		08/22/22 04:56	08/24/22 20:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 04:56	08/24/22 20:03	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/22/22 04:56	08/24/22 20:03	1
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 04:56	08/24/22 20:03	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 04:56	08/24/22 20:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C4 PFHpA	104		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C4 PFOA	102		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C5 PFNA	108		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C2 PFDA	105		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C2 PFUnA	100		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C2 PFDoA	102		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C2 PFTeDA	98		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C3 PFBS	97		25 - 150				08/22/22 04:56	08/24/22 20:03	1
18O2 PFHxS	104		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C4 PFOS	99		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C8 FOSA	102		10 - 150				08/22/22 04:56	08/24/22 20:03	1
d3-NMeFOSAA	101		25 - 150				08/22/22 04:56	08/24/22 20:03	1
d5-NEtFOSAA	107		25 - 150				08/22/22 04:56	08/24/22 20:03	1
d-N-MeFOSA-M	86		10 - 150				08/22/22 04:56	08/24/22 20:03	1
d-N-EtFOSA-M	88		10 - 150				08/22/22 04:56	08/24/22 20:03	1
d7-N-MeFOSE-M	84		10 - 150				08/22/22 04:56	08/24/22 20:03	1
d9-N-EtFOSE-M	80		10 - 150				08/22/22 04:56	08/24/22 20:03	1
M2-4:2 FTS	101		25 - 150				08/22/22 04:56	08/24/22 20:03	1
M2-8:2 FTS	104		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C3 HFPO-DA	98		25 - 150				08/22/22 04:56	08/24/22 20:03	1
13C2 10:2 FTS	96		25 - 150				08/22/22 04:56	08/24/22 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1000		18	4.4	ng/L		08/22/22 04:56	08/26/22 12:52	10
Perfluorohexanoic acid (PFHxA)	650		18	5.2	ng/L		08/22/22 04:56	08/26/22 12:52	10

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-02-202207

Lab Sample ID: 320-90474-44

Date Collected: 07/27/22 11:58

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	1100		45	23	ng/L		08/22/22 04:56	08/26/22 12:52	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFPeA	109		25 - 150				08/22/22 04:56	08/26/22 12:52	10
13C2 PFHxA	110		25 - 150				08/22/22 04:56	08/26/22 12:52	10
M2-6:2 FTS	110		25 - 150				08/22/22 04:56	08/26/22 12:52	10

Client Sample ID: MW-03-202207

Lab Sample ID: 320-90474-45

Date Collected: 07/26/22 17:17

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10		4.5	2.1	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluoropentanoic acid (PFPeA)	1.9		1.8	0.44	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorohexanoic acid (PFHxA)	1.3 J		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluoroheptanoic acid (PFHpA)	1.1 J		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorooctanoic acid (PFOA)	0.79 J		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorobutanesulfonic acid (PFBS)	0.99 J		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 06:55	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/22/22 05:31	08/24/22 06:55	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/22/22 05:31	08/24/22 06:55	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/22/22 05:31	08/24/22 06:55	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 05:31	08/24/22 06:55	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 05:31	08/24/22 06:55	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 06:55	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 06:55	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 06:55	1
6:2 FTS	<2.2		4.5	2.2	ng/L		08/22/22 05:31	08/24/22 06:55	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/22/22 05:31	08/24/22 06:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 06:55	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 06:55	1
9CI-PF3ONS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 06:55	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 06:55	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-03-202207

Lab Sample ID: 320-90474-45

Date Collected: 07/26/22 17:17

Matrix: Water

Date Received: 07/29/22 09:25

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C5 PFPeA	84		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 PFHxA	82		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C4 PFHpA	88		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C4 PFOA	86		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C5 PFNA	86		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 PFDA	84		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 PFUnA	89		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 PFDoA	84		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 PFTeDA	89		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C3 PFBS	86		25 - 150	08/22/22 05:31	08/24/22 06:55	1
18O2 PFHxS	88		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C4 PFOS	81		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C8 FOSA	87		10 - 150	08/22/22 05:31	08/24/22 06:55	1
d3-NMeFOSAA	84		25 - 150	08/22/22 05:31	08/24/22 06:55	1
d5-NEtFOSAA	94		25 - 150	08/22/22 05:31	08/24/22 06:55	1
d-N-MeFOSA-M	72		10 - 150	08/22/22 05:31	08/24/22 06:55	1
d-N-EtFOSA-M	74		10 - 150	08/22/22 05:31	08/24/22 06:55	1
d7-N-MeFOSE-M	75		10 - 150	08/22/22 05:31	08/24/22 06:55	1
d9-N-EtFOSE-M	77		10 - 150	08/22/22 05:31	08/24/22 06:55	1
M2-4:2 FTS	69		25 - 150	08/22/22 05:31	08/24/22 06:55	1
M2-6:2 FTS	87		25 - 150	08/22/22 05:31	08/24/22 06:55	1
M2-8:2 FTS	89		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C3 HFPO-DA	85		25 - 150	08/22/22 05:31	08/24/22 06:55	1
13C2 10:2 FTS	86		25 - 150	08/22/22 05:31	08/24/22 06:55	1

Client Sample ID: MW-04-202207

Lab Sample ID: 320-90474-46

Date Collected: 07/27/22 13:35

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	91		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorodecanoic acid (PFDA)	46		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluoroundecanoic acid (PFUnA)	2.1		1.8	0.98	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorododecanoic acid (PFDoA)	0.76	J	1.8	0.49	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.8	0.18	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluoropentanesulfonic acid (PFPeS)	0.54	J	1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorohexanesulfonic acid (PFHxS)	4.3		1.8	0.51	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorooctanesulfonic acid (PFOS)	34		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:05	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-04-202207

Lab Sample ID: 320-90474-46

Date Collected: 07/27/22 13:35

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/22/22 05:31	08/24/22 07:05	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 07:05	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/22/22 05:31	08/24/22 07:05	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/22/22 05:31	08/24/22 07:05	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 05:31	08/24/22 07:05	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 05:31	08/24/22 07:05	1
NMeFOSE	<1.2		3.6	1.2	ng/L		08/22/22 05:31	08/24/22 07:05	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 07:05	1
4:2 FTS	74		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 07:05	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 07:05	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:05	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C5 PFNA	121		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C2 PFDA	103		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C2 PFUnA	131		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C2 PFDoA	128		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C2 PFTeDA	124		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C3 PFBS	116		25 - 150				08/22/22 05:31	08/24/22 07:05	1
18O2 PFHxS	119		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C4 PFOS	120		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C8 FOSA	106		10 - 150				08/22/22 05:31	08/24/22 07:05	1
d3-NMeFOSAA	122		25 - 150				08/22/22 05:31	08/24/22 07:05	1
d5-NEtFOSAA	132		25 - 150				08/22/22 05:31	08/24/22 07:05	1
d-N-MeFOSA-M	116		10 - 150				08/22/22 05:31	08/24/22 07:05	1
d-N-EtFOSA-M	112		10 - 150				08/22/22 05:31	08/24/22 07:05	1
d7-N-MeFOSE-M	113		10 - 150				08/22/22 05:31	08/24/22 07:05	1
d9-N-EtFOSE-M	113		10 - 150				08/22/22 05:31	08/24/22 07:05	1
M2-4:2 FTS	100		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C3 HFPO-DA	113		25 - 150				08/22/22 05:31	08/24/22 07:05	1
13C2 10:2 FTS	134		25 - 150				08/22/22 05:31	08/24/22 07:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	430		220	110	ng/L		08/22/22 05:31	08/26/22 04:05	50
Perfluoropentanoic acid (PFPeA)	1800		89	22	ng/L		08/22/22 05:31	08/26/22 04:05	50
Perfluorohexanoic acid (PFHxA)	1700		89	26	ng/L		08/22/22 05:31	08/26/22 04:05	50
Perfluoroheptanoic acid (PFHpA)	760		89	11	ng/L		08/22/22 05:31	08/26/22 04:05	50
Perfluorooctanoic acid (PFOA)	1500		89	38	ng/L		08/22/22 05:31	08/26/22 04:05	50
6:2 FTS	6200		220	110	ng/L		08/22/22 05:31	08/26/22 04:05	50
8:2 FTS	4100		89	21	ng/L		08/22/22 05:31	08/26/22 04:05	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				08/22/22 05:31	08/26/22 04:05	50
13C5 PFPeA	93		25 - 150				08/22/22 05:31	08/26/22 04:05	50
13C2 PFHxA	100		25 - 150				08/22/22 05:31	08/26/22 04:05	50
13C4 PFHpA	99		25 - 150				08/22/22 05:31	08/26/22 04:05	50
13C4 PFOA	101		25 - 150				08/22/22 05:31	08/26/22 04:05	50

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-04-202207

Lab Sample ID: 320-90474-46

Date Collected: 07/27/22 13:35

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	170	*5+	25 - 150	08/22/22 05:31	08/26/22 04:05	50
M2-8:2 FTS	143		25 - 150	08/22/22 05:31	08/26/22 04:05	50

Client Sample ID: MW-05-202207

Lab Sample ID: 320-90474-47

Date Collected: 07/27/22 09:09

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	50		4.2	2.0	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluoropentanoic acid (PFPeA)	210		1.7	0.42	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorohexanoic acid (PFHxA)	140		1.7	0.49	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluoroheptanoic acid (PFHpA)	120		1.7	0.21	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorooctanoic acid (PFOA)	110		1.7	0.72	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorononanoic acid (PFNA)	11		1.7	0.23	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorodecanoic acid (PFDA)	3.2		1.7	0.26	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluoroundecanoic acid (PFUnA)	<0.93		1.7	0.93	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.7	1.1	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.62		1.7	0.62	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorobutanesulfonic acid (PFBS)	0.54	J	1.7	0.17	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorohexanesulfonic acid (PFHxS)	0.53	J	1.7	0.48	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorooctanesulfonic acid (PFOS)	5.1		1.7	0.46	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.82		1.7	0.82	ng/L		08/22/22 05:31	08/24/22 07:16	1
Perfluorooctanesulfonamide (FOSA)	<0.83		1.7	0.83	ng/L		08/22/22 05:31	08/24/22 07:16	1
NEtFOSA	<0.74		1.7	0.74	ng/L		08/22/22 05:31	08/24/22 07:16	1
NMeFOSA	<0.36		1.7	0.36	ng/L		08/22/22 05:31	08/24/22 07:16	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		08/22/22 05:31	08/24/22 07:16	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		08/22/22 05:31	08/24/22 07:16	1
NMeFOSE	<1.2		3.4	1.2	ng/L		08/22/22 05:31	08/24/22 07:16	1
NEtFOSE	<0.72		1.7	0.72	ng/L		08/22/22 05:31	08/24/22 07:16	1
4:2 FTS	2.3		1.7	0.20	ng/L		08/22/22 05:31	08/24/22 07:16	1
8:2 FTS	290		1.7	0.39	ng/L		08/22/22 05:31	08/24/22 07:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.34		1.7	0.34	ng/L		08/22/22 05:31	08/24/22 07:16	1
HFPO-DA (GenX)	<1.3		3.4	1.3	ng/L		08/22/22 05:31	08/24/22 07:16	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		08/22/22 05:31	08/24/22 07:16	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		08/22/22 05:31	08/24/22 07:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150				08/22/22 05:31	08/24/22 07:16	1
13C5 PFPeA	77		25 - 150				08/22/22 05:31	08/24/22 07:16	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-05-202207

Lab Sample ID: 320-90474-47

Date Collected: 07/27/22 09:09

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	83		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C4 PFHpA	78		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C4 PFOA	79		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C5 PFNA	77		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C2 PFDA	74		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C2 PFUnA	62		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C2 PFDoA	53		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C2 PFTeDA	52		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C3 PFBS	79		25 - 150	08/22/22 05:31	08/24/22 07:16	1
18O2 PFHxS	83		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C4 PFOS	75		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C8 FOSA	79		10 - 150	08/22/22 05:31	08/24/22 07:16	1
d3-NMeFOSAA	66		25 - 150	08/22/22 05:31	08/24/22 07:16	1
d5-NEtFOSAA	60		25 - 150	08/22/22 05:31	08/24/22 07:16	1
d-N-MeFOSA-M	48		10 - 150	08/22/22 05:31	08/24/22 07:16	1
d-N-EtFOSA-M	46		10 - 150	08/22/22 05:31	08/24/22 07:16	1
d7-N-MeFOSE-M	45		10 - 150	08/22/22 05:31	08/24/22 07:16	1
d9-N-EtFOSE-M	45		10 - 150	08/22/22 05:31	08/24/22 07:16	1
M2-4:2 FTS	78		25 - 150	08/22/22 05:31	08/24/22 07:16	1
M2-8:2 FTS	74		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C3 HFPO-DA	72		25 - 150	08/22/22 05:31	08/24/22 07:16	1
13C2 10:2 FTS	53		25 - 150	08/22/22 05:31	08/24/22 07:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	470		21	11	ng/L		08/22/22 05:31	08/26/22 03:45	5
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-6:2 FTS	70		25 - 150	08/22/22 05:31	08/26/22 03:45	5			

Client Sample ID: MW-06-202207

Lab Sample ID: 320-90474-48

Date Collected: 07/26/22 15:34

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorobutanesulfonic acid (PFBS)	0.88 J		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:26	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-06-202207

Lab Sample ID: 320-90474-48

Date Collected: 07/26/22 15:34

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/22/22 05:31	08/24/22 07:26	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/22/22 05:31	08/24/22 07:26	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/22/22 05:31	08/24/22 07:26	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 05:31	08/24/22 07:26	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 05:31	08/24/22 07:26	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 05:31	08/24/22 07:26	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 07:26	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 07:26	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:26	1
6:2 FTS	<2.3		4.5	2.3	ng/L		08/22/22 05:31	08/24/22 07:26	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/22/22 05:31	08/24/22 07:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 07:26	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/22/22 05:31	08/24/22 07:26	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:26	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C5 PFPeA	84		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 PFHxA	85		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C4 PFHpA	86		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C4 PFOA	89		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C5 PFNA	88		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 PFDA	86		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 PFUnA	84		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 PFDoA	75		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 PFTeDA	73		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C3 PFBS	83		25 - 150	08/22/22 05:31	08/24/22 07:26	1
18O2 PFHxS	88		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C4 PFOS	79		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C8 FOSA	83		10 - 150	08/22/22 05:31	08/24/22 07:26	1
d3-NMeFOSAA	76		25 - 150	08/22/22 05:31	08/24/22 07:26	1
d5-NEtFOSAA	84		25 - 150	08/22/22 05:31	08/24/22 07:26	1
d-N-MeFOSA-M	72		10 - 150	08/22/22 05:31	08/24/22 07:26	1
d-N-EtFOSA-M	69		10 - 150	08/22/22 05:31	08/24/22 07:26	1
d7-N-MeFOSE-M	66		10 - 150	08/22/22 05:31	08/24/22 07:26	1
d9-N-EtFOSE-M	63		10 - 150	08/22/22 05:31	08/24/22 07:26	1
M2-4:2 FTS	83		25 - 150	08/22/22 05:31	08/24/22 07:26	1
M2-6:2 FTS	81		25 - 150	08/22/22 05:31	08/24/22 07:26	1
M2-8:2 FTS	83		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C3 HFPO-DA	81		25 - 150	08/22/22 05:31	08/24/22 07:26	1
13C2 10:2 FTS	80		25 - 150	08/22/22 05:31	08/24/22 07:26	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-07-202207

Lab Sample ID: 320-90474-49

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 05:31	08/24/22 07:36	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorobutanesulfonic acid (PFBS)	13		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/22/22 05:31	08/24/22 07:36	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 07:36	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 07:36	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/22/22 05:31	08/24/22 07:36	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/22/22 05:31	08/24/22 07:36	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		08/22/22 05:31	08/24/22 07:36	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/22/22 05:31	08/24/22 07:36	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/22/22 05:31	08/24/22 07:36	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:36	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/22/22 05:31	08/24/22 07:36	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/22/22 05:31	08/24/22 07:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/22/22 05:31	08/24/22 07:36	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/22/22 05:31	08/24/22 07:36	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:36	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C5 PFPeA	99		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 PFHxA	98		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C4 PFHpA	100		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C4 PFOA	104		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C5 PFNA	102		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 PFDA	104		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 PFUnA	101		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 PFDoA	102		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 PFTeDA	97		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C3 PFBS	101		25 - 150	08/22/22 05:31	08/24/22 07:36	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-07-202207

Lab Sample ID: 320-90474-49

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C4 PFOS	98		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C8 FOSA	103		10 - 150	08/22/22 05:31	08/24/22 07:36	1
d3-NMeFOSAA	96		25 - 150	08/22/22 05:31	08/24/22 07:36	1
d5-NEtFOSAA	96		25 - 150	08/22/22 05:31	08/24/22 07:36	1
d-N-MeFOSA-M	89		10 - 150	08/22/22 05:31	08/24/22 07:36	1
d-N-EtFOSA-M	91		10 - 150	08/22/22 05:31	08/24/22 07:36	1
d7-N-MeFOSE-M	94		10 - 150	08/22/22 05:31	08/24/22 07:36	1
d9-N-EtFOSE-M	88		10 - 150	08/22/22 05:31	08/24/22 07:36	1
M2-4:2 FTS	87		25 - 150	08/22/22 05:31	08/24/22 07:36	1
M2-6:2 FTS	85		25 - 150	08/22/22 05:31	08/24/22 07:36	1
M2-8:2 FTS	98		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C3 HFPO-DA	93		25 - 150	08/22/22 05:31	08/24/22 07:36	1
13C2 10:2 FTS	101		25 - 150	08/22/22 05:31	08/24/22 07:36	1

Client Sample ID: PZ-01-202207

Lab Sample ID: 320-90474-50

Date Collected: 07/27/22 11:14

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 05:31	08/24/22 07:46	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/22/22 05:31	08/24/22 07:46	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 07:46	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 07:46	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/22/22 05:31	08/24/22 07:46	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/22/22 05:31	08/24/22 07:46	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		08/22/22 05:31	08/24/22 07:46	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/22/22 05:31	08/24/22 07:46	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/22/22 05:31	08/24/22 07:46	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:46	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: PZ-01-202207

Lab Sample ID: 320-90474-50

Date Collected: 07/27/22 11:14

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.2		4.4	2.2	ng/L		08/22/22 05:31	08/24/22 07:46	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/22/22 05:31	08/24/22 07:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/22/22 05:31	08/24/22 07:46	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/22/22 05:31	08/24/22 07:46	1
9CI-PF3ONS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 07:46	1
11CI-PF3OUdS	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C5 PFPeA	93		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 PFHxA	91		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C4 PFHpA	91		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C4 PFOA	96		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C5 PFNA	97		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 PFDA	98		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 PFUnA	97		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 PFDoA	94		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 PFTeDA	96		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C3 PFBS	100		25 - 150				08/22/22 05:31	08/24/22 07:46	1
18O2 PFHxS	103		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C4 PFOS	95		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C8 FOSA	98		10 - 150				08/22/22 05:31	08/24/22 07:46	1
d3-NMeFOSAA	89		25 - 150				08/22/22 05:31	08/24/22 07:46	1
d5-NEtFOSAA	93		25 - 150				08/22/22 05:31	08/24/22 07:46	1
d-N-MeFOSA-M	79		10 - 150				08/22/22 05:31	08/24/22 07:46	1
d-N-EtFOSA-M	80		10 - 150				08/22/22 05:31	08/24/22 07:46	1
d7-N-MeFOSE-M	84		10 - 150				08/22/22 05:31	08/24/22 07:46	1
d9-N-EtFOSE-M	84		10 - 150				08/22/22 05:31	08/24/22 07:46	1
M2-4:2 FTS	87		25 - 150				08/22/22 05:31	08/24/22 07:46	1
M2-6:2 FTS	88		25 - 150				08/22/22 05:31	08/24/22 07:46	1
M2-8:2 FTS	94		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C3 HFPO-DA	90		25 - 150				08/22/22 05:31	08/24/22 07:46	1
13C2 10:2 FTS	91		25 - 150				08/22/22 05:31	08/24/22 07:46	1

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	51		4.5	2.2	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluoropentanoic acid (PFPeA)	210		1.8	0.44	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorohexanoic acid (PFHxA)	150		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluoroheptanoic acid (PFHpA)	110		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorooctanoic acid (PFOA)	120		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorononanoic acid (PFNA)	11		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorodecanoic acid (PFDA)	3.2		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 07:56	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorobutanesulfonic acid (PFBS)	0.51	J	1.8	0.18	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.54	J	1.8	0.51	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorooctanesulfonic acid (PFOS)	5.5		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 07:56	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/22/22 05:31	08/24/22 07:56	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/22/22 05:31	08/24/22 07:56	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 05:31	08/24/22 07:56	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 05:31	08/24/22 07:56	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 05:31	08/24/22 07:56	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 07:56	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 07:56	1
4:2 FTS	2.5		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:56	1
8:2 FTS	310		1.8	0.41	ng/L		08/22/22 05:31	08/24/22 07:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 07:56	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 07:56	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 07:56	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 07:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C5 PFPeA	94		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 PFHxA	96		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C4 PFHpA	96		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C4 PFOA	92		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C5 PFNA	93		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 PFDA	92		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 PFUnA	97		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 PFDoA	99		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 PFTeDA	101		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C3 PFBS	92		25 - 150	08/22/22 05:31	08/24/22 07:56	1
18O2 PFHxS	94		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C4 PFOS	92		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C8 FOSA	98		10 - 150	08/22/22 05:31	08/24/22 07:56	1
d3-NMeFOSAA	94		25 - 150	08/22/22 05:31	08/24/22 07:56	1
d5-NEtFOSAA	104		25 - 150	08/22/22 05:31	08/24/22 07:56	1
d-N-MeFOSA-M	85		10 - 150	08/22/22 05:31	08/24/22 07:56	1
d-N-EtFOSA-M	83		10 - 150	08/22/22 05:31	08/24/22 07:56	1
d7-N-MeFOSE-M	85		10 - 150	08/22/22 05:31	08/24/22 07:56	1
d9-N-EtFOSE-M	86		10 - 150	08/22/22 05:31	08/24/22 07:56	1
M2-4:2 FTS	85		25 - 150	08/22/22 05:31	08/24/22 07:56	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	99		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C3 HFPO-DA	91		25 - 150	08/22/22 05:31	08/24/22 07:56	1
13C2 10:2 FTS	105		25 - 150	08/22/22 05:31	08/24/22 07:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	410		22	11	ng/L		08/22/22 05:31	08/26/22 03:55	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	90		25 - 150	08/22/22 05:31	08/26/22 03:55	5

Client Sample ID: FB-02-202207

Lab Sample ID: 320-90474-52

Date Collected: 07/27/22 13:30

Matrix: Water

Date Received: 07/29/22 09:25

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		08/22/22 05:31	08/24/22 08:27	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		08/22/22 05:31	08/24/22 08:27	1
NEtFOSA	<0.79		1.8	0.79	ng/L		08/22/22 05:31	08/24/22 08:27	1
NMeFOSA	<0.39		1.8	0.39	ng/L		08/22/22 05:31	08/24/22 08:27	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		08/22/22 05:31	08/24/22 08:27	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		08/22/22 05:31	08/24/22 08:27	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 08:27	1
NEtFOSE	<0.77		1.8	0.77	ng/L		08/22/22 05:31	08/24/22 08:27	1
4:2 FTS	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 08:27	1
6:2 FTS	<2.3		4.6	2.3	ng/L		08/22/22 05:31	08/24/22 08:27	1
8:2 FTS	<0.42		1.8	0.42	ng/L		08/22/22 05:31	08/24/22 08:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 08:27	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		08/22/22 05:31	08/24/22 08:27	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: FB-02-202207

Lab Sample ID: 320-90474-52

Date Collected: 07/27/22 13:30

Matrix: Water

Date Received: 07/29/22 09:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 08:27	1
11CI-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 08:27	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	80		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C5 PFPeA	81		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 PFHxA	84		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C4 PFHpA	88		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C4 PFOA	90		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C5 PFNA	89		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 PFDA	83		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 PFUnA	95		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 PFDoA	89		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 PFTeDA	86		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C3 PFBS	90		25 - 150				08/22/22 05:31	08/24/22 08:27	1
18O2 PFHxS	90		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C4 PFOS	89		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C8 FOSA	90		10 - 150				08/22/22 05:31	08/24/22 08:27	1
d3-NMeFOSAA	87		25 - 150				08/22/22 05:31	08/24/22 08:27	1
d5-NEtFOSAA	92		25 - 150				08/22/22 05:31	08/24/22 08:27	1
d-N-MeFOSA-M	73		10 - 150				08/22/22 05:31	08/24/22 08:27	1
d-N-EtFOSA-M	80		10 - 150				08/22/22 05:31	08/24/22 08:27	1
d7-N-MeFOSE-M	80		10 - 150				08/22/22 05:31	08/24/22 08:27	1
d9-N-EtFOSE-M	87		10 - 150				08/22/22 05:31	08/24/22 08:27	1
M2-4:2 FTS	86		25 - 150				08/22/22 05:31	08/24/22 08:27	1
M2-6:2 FTS	90		25 - 150				08/22/22 05:31	08/24/22 08:27	1
M2-8:2 FTS	86		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C3 HFPO-DA	89		25 - 150				08/22/22 05:31	08/24/22 08:27	1
13C2 10:2 FTS	92		25 - 150				08/22/22 05:31	08/24/22 08:27	1

Client Sample ID: EB-01-202207

Lab Sample ID: 320-90474-53

Date Collected: 07/27/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 05:31	08/24/22 08:37	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		08/22/22 05:31	08/24/22 08:37	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: EB-01-202207

Lab Sample ID: 320-90474-53

Date Collected: 07/27/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

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		08/22/22 05:31	08/24/22 08:37	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		08/22/22 05:31	08/24/22 08:37	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		08/22/22 05:31	08/24/22 08:37	1
NEtFOSA	<0.78		1.8	0.78	ng/L		08/22/22 05:31	08/24/22 08:37	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/22/22 05:31	08/24/22 08:37	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		08/22/22 05:31	08/24/22 08:37	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		08/22/22 05:31	08/24/22 08:37	1
NMeFOSE	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 08:37	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/22/22 05:31	08/24/22 08:37	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 08:37	1
6:2 FTS	<2.2		4.5	2.2	ng/L		08/22/22 05:31	08/24/22 08:37	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/22/22 05:31	08/24/22 08:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/22/22 05:31	08/24/22 08:37	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/22/22 05:31	08/24/22 08:37	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/22/22 05:31	08/24/22 08:37	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		08/22/22 05:31	08/24/22 08:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C5 PFPeA	90		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 PFHxA	89		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C4 PFHpA	89		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C4 PFOA	94		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C5 PFNA	88		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 PFDA	90		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 PFUnA	90		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 PFDoA	91		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 PFTeDA	87		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C3 PFBS	92		25 - 150	08/22/22 05:31	08/24/22 08:37	1
18O2 PFHxS	91		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C4 PFOS	92		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C8 FOSA	87		10 - 150	08/22/22 05:31	08/24/22 08:37	1
d3-NMeFOSAA	83		25 - 150	08/22/22 05:31	08/24/22 08:37	1
d5-NEtFOSAA	88		25 - 150	08/22/22 05:31	08/24/22 08:37	1
d-N-MeFOSA-M	75		10 - 150	08/22/22 05:31	08/24/22 08:37	1
d-N-EtFOSA-M	77		10 - 150	08/22/22 05:31	08/24/22 08:37	1
d7-N-MeFOSE-M	80		10 - 150	08/22/22 05:31	08/24/22 08:37	1
d9-N-EtFOSE-M	81		10 - 150	08/22/22 05:31	08/24/22 08:37	1
M2-4:2 FTS	83		25 - 150	08/22/22 05:31	08/24/22 08:37	1
M2-6:2 FTS	90		25 - 150	08/22/22 05:31	08/24/22 08:37	1
M2-8:2 FTS	91		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C3 HFPO-DA	81		25 - 150	08/22/22 05:31	08/24/22 08:37	1
13C2 10:2 FTS	90		25 - 150	08/22/22 05:31	08/24/22 08:37	1

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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)
320-90474-1	MP-01-(277-293)-202207	86	91	96	96	98	101	97	95
320-90474-2	MP-01-(253-274)-202207	84	93	105	95	102	103	100	95
320-90474-3	MP-01-(223-250)-202207	91	101	104	99	102	105	106	103
320-90474-4 - DL	MP-01-(198-220)-202207								
320-90474-4	MP-01-(198-220)-202207	91	94	101	98	98	99	102	107
320-90474-5	MP-01-(155-195)-202207	132	125	166 *5+	143	98	154 *5+	146	149
320-90474-5 - DL	MP-01-(155-195)-202207		91	101	96	100			
320-90474-6	MP-01-(121-152)-202207	146	132	169 *5+	152 *5+	98	167 *5+	163 *5+	158 *5+
320-90474-6 - DL	MP-01-(121-152)-202207		89	93	90	93			
320-90474-7	MP-01-(091-118)-202207	99			111	98	117	114	117
320-90474-7 - DL	MP-01-(091-118)-202207		90	94					
320-90474-8	MP-01-(051-088)-202207						129	121	137
320-90474-8 - DL	MP-01-(051-088)-202207	102	100	91	94	93			
320-90474-9	MP-02-(279-300)-202207	93	102	98	91	99	109	98	116
320-90474-10	MP-02-(253-276)-202207	96	106	101	101	107	107	104	111
320-90474-11	MP-02-(223-250)-202207	95	100	98	105	106	102	107	114
320-90474-12	MP-02-(198-220)-202207	93	99	99	95	98	99	98	107
320-90474-12 - DL	MP-02-(198-220)-202207								
320-90474-13	MP-02-(153-195)-202207-A	73	74	74	76	78	76	75	72
320-90474-13 - DL	MP-02-(153-195)-202207-A								
320-90474-14	MP-02-(153-195)-202207-B	74	77	78	76	75	79	80	78
320-90474-14 - DL	MP-02-(153-195)-202207-B								
320-90474-16	MP-03-(280-300)-202207	92	94	94	99	99	104	97	103
320-90474-17	MP-03-(245-277)-202207	89	94	87	92	95	95	93	97
320-90474-18	MP-03-(220-242)-202207	65	71	71	68	71	71	68	66
320-90474-19	MP-03-(190-217)-202207	94	106	103	105	107	99	108	115
320-90474-20	MP-03-(160-187)-202207	102	104	109	104	107	108	109	112
320-90474-20 - DL	MP-03-(160-187)-202207								
320-90474-21	MP-03-(120-157)-202207	88	91	90	91	91	85	77	74
320-90474-22	MP-03-(083-117)-202207	92	97	96	100	103	99	94	110
320-90474-23	MP-03-(046-080)-202207	101	101	110	102	106	98	100	102
320-90474-24	MP-04-(275-291)-202207	95	98	96	101	103	101	102	124
320-90474-25	MP-04-(245-272)-202207	98	95	104	102	105	101	101	100
320-90474-26	MP-04-(220-242)-202207	100	99	106	106	106	107	108	107
320-90474-27	MP-04-(195-217)-202207	101	98	108	102	109	106	108	114
320-90474-28	MP-04-(155-192)-202207	99	101	107	105	105	108	105	110
320-90474-28 - DL	MP-04-(155-192)-202207								
320-90474-29	MP-04-(115-152)-202207	125			130	108	134	130	127
320-90474-29 - DL	MP-04-(115-152)-202207		104	109					
320-90474-30	MP-04-(080-112)-202207	104		110	105	106	112	108	105
320-90474-30 - DL	MP-04-(080-112)-202207		104						
320-90474-31	MP-04-(048-077)-202207	103	98	109	107	107	105	106	105
320-90474-32	MP-05-(SWL-065)-202207	78	81	89	87	87	86	83	79
320-90474-33	DUP-01-202207	90	92	96	92	97	94	96	91
320-90474-34	DUP-02-202207	129			134	105	136	134	132
320-90474-34 - DL	DUP-02-202207		102	102					
320-90474-35	DUP-03-202207	104	100	110	104	108	108	105	105
320-90474-36	DUP-04-202207	100	94	104	106	104	106	110	120
320-90474-36 - DL	DUP-04-202207								

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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)
320-90474-37	MP-01-EB-202207	96	94	104	101	103	104	104	101
320-90474-38	MP-02-EB-202207	101	98	104	105	107	108	106	104
320-90474-39	MP-03-EB-202207	101	97	103	104	105	105	103	102
320-90474-40	MP-04-EB-202207	109	107	110	109	107	111	111	105
320-90474-41	MP-05-EB-202207	103	102	109	108	108	109	108	106
320-90474-42	FB-01-202207	102	98	106	103	104	103	102	100
320-90474-43	MW-01-202207	97			100	105	104	107	103
320-90474-43 - DL	MW-01-202207		98	104					
320-90474-44	MW-02-202207	98			104	102	108	105	100
320-90474-44 - DL	MW-02-202207		109	110					
320-90474-45	MW-03-202207	84	84	82	88	86	86	84	89
320-90474-46	MW-04-202207						121	103	131
320-90474-46 - DL	MW-04-202207	95	93	100	99	101			
320-90474-47	MW-05-202207	78	77	83	78	79	77	74	62
320-90474-47 - DL	MW-05-202207								
320-90474-48	MW-06-202207	82	84	85	86	89	88	86	84
320-90474-49	MW-07-202207	101	99	98	100	104	102	104	101
320-90474-50	PZ-01-202207	92	93	91	91	96	97	98	97
320-90474-51	DUP-06-202207	96	94	96	96	92	93	92	97
320-90474-51 - DL	DUP-06-202207								
320-90474-52	FB-02-202207	80	81	84	88	90	89	83	95
320-90474-53	EB-01-202207	87	90	89	89	94	88	90	90
LCS 320-611089/2-A	Lab Control Sample	107	107	113	109	109	107	106	104
LCS 320-611098/2-A	Lab Control Sample	99	98	102	104	102	99	99	106
LCS 320-611158/2-A	Lab Control Sample	90	93	89	95	100	101	100	100
LCS 320-611333/2-A	Lab Control Sample	92	95	105	102	103	106	104	103
LCSD 320-611089/3-A	Lab Control Sample Dup	106	101	109	106	106	109	107	104
LCSD 320-611098/3-A	Lab Control Sample Dup	105	102	102	104	109	109	106	112
LCSD 320-611158/3-A	Lab Control Sample Dup	94	97	94	102	103	103	102	104
LCSD 320-611333/3-A	Lab Control Sample Dup	90	96	101	100	103	102	100	101
MB 320-611089/1-A	Method Blank	109	111	115	112	110	113	111	107
MB 320-611098/1-A	Method Blank	103	98	103	103	106	99	104	111
MB 320-611158/1-A	Method Blank	90	98	90	98	104	101	99	100
MB 320-611333/1-A	Method Blank	83	86	90	89	91	93	89	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)
320-90474-1	MP-01-(277-293)-202207	91	95	92	104	97	98	99	105
320-90474-2	MP-01-(253-274)-202207	95	88	93	104	102	98	100	107
320-90474-3	MP-01-(223-250)-202207	102	109	98	110	109	106	108	119
320-90474-4 - DL	MP-01-(198-220)-202207								
320-90474-4	MP-01-(198-220)-202207	94	100	92	102	99	98	94	142
320-90474-5	MP-01-(155-195)-202207	148	160 *5+	134	151 *5+	152 *5+	145	160 *5+	169 *5+
320-90474-5 - DL	MP-01-(155-195)-202207								
320-90474-6	MP-01-(121-152)-202207	157 *5+	177 *5+	144	165 *5+	154 *5+	155 *5+	170 *5+	182 *5+
320-90474-6 - DL	MP-01-(121-152)-202207								
320-90474-7	MP-01-(091-118)-202207	113	103	101	113	112	110	120	133
320-90474-7 - DL	MP-01-(091-118)-202207								
320-90474-8	MP-01-(051-088)-202207	137	138	108	127	125	115	125	137
320-90474-8 - DL	MP-01-(051-088)-202207								

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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 _{oA} (25-150)	PFT _{DA} (25-150)	C3PFBS (25-150)	PFH _{xS} (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-90474-9	MP-02-(279-300)-202207	107	107	96	98	104	97	105	131
320-90474-10	MP-02-(253-276)-202207	107	117	99	102	96	102	104	109
320-90474-11	MP-02-(223-250)-202207	104	113	97	104	99	101	105	116
320-90474-12	MP-02-(198-220)-202207	101	111	94	99	97	94	97	118
320-90474-12 - DL	MP-02-(198-220)-202207								
320-90474-13	MP-02-(153-195)-202207-A	72	67	73	75	71	73	70	72
320-90474-13 - DL	MP-02-(153-195)-202207-A								
320-90474-14	MP-02-(153-195)-202207-B	74	74	75	77	72	75	78	80
320-90474-14 - DL	MP-02-(153-195)-202207-B								
320-90474-16	MP-03-(280-300)-202207	101	104	88	95	96	94	98	104
320-90474-17	MP-03-(245-277)-202207	96	102	87	93	96	93	97	104
320-90474-18	MP-03-(220-242)-202207	55	55	66	72	70	68	65	67
320-90474-19	MP-03-(190-217)-202207	102	112	95	102	100	105	109	131
320-90474-20	MP-03-(160-187)-202207	104	108	99	101	102	103	107	108
320-90474-20 - DL	MP-03-(160-187)-202207								
320-90474-21	MP-03-(120-157)-202207	66	81	83	88	81	79	77	72
320-90474-22	MP-03-(083-117)-202207	95	101	88	92	95	90	97	135
320-90474-23	MP-03-(046-080)-202207	100	106	98	104	96	99	102	105
320-90474-24	MP-04-(275-291)-202207	101	105	97	98	96	98	99	168 *5+
320-90474-25	MP-04-(245-272)-202207	106	103	94	103	97	96	96	108
320-90474-26	MP-04-(220-242)-202207	106	112	100	102	99	103	105	119
320-90474-27	MP-04-(195-217)-202207	110	112	108	114	111	109	103	144
320-90474-28	MP-04-(155-192)-202207	107	111	101	108	103	109	106	127
320-90474-28 - DL	MP-04-(155-192)-202207								
320-90474-29	MP-04-(115-152)-202207	129	132	121	136	129	129	126	137
320-90474-29 - DL	MP-04-(115-152)-202207								
320-90474-30	MP-04-(080-112)-202207	108	107	101	107	103	107	104	115
320-90474-30 - DL	MP-04-(080-112)-202207								
320-90474-31	MP-04-(048-077)-202207	107	105	102	103	103	102	101	111
320-90474-32	MP-05-(SWL-065)-202207	73	59	79	82	78	80	74	84
320-90474-33	DUP-01-202207	87	70	90	91	89	93	91	97
320-90474-34	DUP-02-202207	133	137	128	137	131	133	131	145
320-90474-34 - DL	DUP-02-202207								
320-90474-35	DUP-03-202207	108	104	105	111	108	106	105	112
320-90474-36	DUP-04-202207	112	112	99	107	102	106	106	160 *5+
320-90474-36 - DL	DUP-04-202207								
320-90474-37	MP-01-EB-202207	106	101	96	100	95	98	104	112
320-90474-38	MP-02-EB-202207	107	105	96	102	98	98	103	111
320-90474-39	MP-03-EB-202207	106	100	97	102	98	97	102	108
320-90474-40	MP-04-EB-202207	110	107	105	106	104	103	108	114
320-90474-41	MP-05-EB-202207	107	101	104	111	105	101	103	112
320-90474-42	FB-01-202207	103	99	100	107	101	96	100	105
320-90474-43	MW-01-202207	109	103	100	102	101	106	107	111
320-90474-43 - DL	MW-01-202207								
320-90474-44	MW-02-202207	102	98	97	104	99	102	101	107
320-90474-44 - DL	MW-02-202207								
320-90474-45	MW-03-202207	84	89	86	88	81	87	84	94
320-90474-46	MW-04-202207	128	124	116	119	120	106	122	132
320-90474-46 - DL	MW-04-202207								
320-90474-47	MW-05-202207	53	52	79	83	75	79	66	60

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFD _o A (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFH _x S (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-90474-47 - DL	MW-05-202207								
320-90474-48	MW-06-202207	75	73	83	88	79	83	76	84
320-90474-49	MW-07-202207	102	97	101	102	98	103	96	96
320-90474-50	PZ-01-202207	94	96	100	103	95	98	89	93
320-90474-51	DUP-06-202207	99	101	92	94	92	98	94	104
320-90474-51 - DL	DUP-06-202207								
320-90474-52	FB-02-202207	89	86	90	90	89	90	87	92
320-90474-53	EB-01-202207	91	87	92	91	92	87	83	88
LCS 320-611089/2-A	Lab Control Sample	103	103	105	110	107	97	102	110
LCS 320-611098/2-A	Lab Control Sample	100	106	106	106	96	102	101	110
LCS 320-611158/2-A	Lab Control Sample	100	100	89	96	96	93	101	97
LCS 320-611333/2-A	Lab Control Sample	101	107	91	103	99	95	106	106
LCSD 320-611089/3-A	Lab Control Sample Dup	109	106	103	109	105	99	104	108
LCSD 320-611098/3-A	Lab Control Sample Dup	98	104	108	110	108	103	105	108
LCSD 320-611158/3-A	Lab Control Sample Dup	103	108	93	98	97	94	98	105
LCSD 320-611333/3-A	Lab Control Sample Dup	99	104	92	104	100	94	107	110
MB 320-611089/1-A	Method Blank	110	103	107	114	109	99	109	112
MB 320-611098/1-A	Method Blank	103	99	106	106	98	101	100	105
MB 320-611158/1-A	Method Blank	97	102	97	96	93	92	100	103
MB 320-611333/1-A	Method Blank	89	92	80	91	87	83	94	95

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)
320-90474-1	MP-01-(277-293)-202207	81	82	78	75	110	106	121	91
320-90474-2	MP-01-(253-274)-202207	89	79	72	72	111	101	107	90
320-90474-3	MP-01-(223-250)-202207	89	90	87	85	116	114	136	96
320-90474-4 - DL	MP-01-(198-220)-202207					103			
320-90474-4	MP-01-(198-220)-202207	81	82	78	86	103		148	88
320-90474-5	MP-01-(155-195)-202207	127	129	126	127	137	146	183 *5+	137
320-90474-5 - DL	MP-01-(155-195)-202207						169 *5+	102	
320-90474-6	MP-01-(121-152)-202207	147	142	134	136	144	155 *5+	177 *5+	150
320-90474-6 - DL	MP-01-(121-152)-202207						191 *5+	85	
320-90474-7	MP-01-(091-118)-202207	104	99	92	95	113		119	102
320-90474-7 - DL	MP-01-(091-118)-202207						127		
320-90474-8	MP-01-(051-088)-202207	117	112	113	113	117			130
320-90474-8 - DL	MP-01-(051-088)-202207						246 *5+	149	
320-90474-9	MP-02-(279-300)-202207	94	93	97	98	99	99	119	99
320-90474-10	MP-02-(253-276)-202207	95	93	95	97	107	105	125	95
320-90474-11	MP-02-(223-250)-202207	90	92	95	96	102	104	123	97
320-90474-12	MP-02-(198-220)-202207	86	88	92	91	95		124	93
320-90474-12 - DL	MP-02-(198-220)-202207						101		
320-90474-13	MP-02-(153-195)-202207-A	66	63	63	65	66		76	70
320-90474-13 - DL	MP-02-(153-195)-202207-A						71		
320-90474-14	MP-02-(153-195)-202207-B	70	65	65	62	77		76	76
320-90474-14 - DL	MP-02-(153-195)-202207-B						81		
320-90474-16	MP-03-(280-300)-202207	85	78	90	86	101	96	96	96
320-90474-17	MP-03-(245-277)-202207	85	83	92	90	97	89	116	93
320-90474-18	MP-03-(220-242)-202207	50	49	54	51	74	72	98	69
320-90474-19	MP-03-(190-217)-202207	87	98	96	98	109	111	172 *5+	98
320-90474-20	MP-03-(160-187)-202207	92	87	93	91	102		121	101

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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)
320-90474-20 - DL	MP-03-(160-187)-202207						134		
320-90474-21	MP-03-(120-157)-202207	65	57	61	58	93	89	80	88
320-90474-22	MP-03-(083-117)-202207	82	77	82	81	97	101	106	94
320-90474-23	MP-03-(046-080)-202207	86	83	89	91	105	106	109	102
320-90474-24	MP-04-(275-291)-202207	95	91	94	89	106	98	122	101
320-90474-25	MP-04-(245-272)-202207	74	75	86	85	110	106	105	92
320-90474-26	MP-04-(220-242)-202207	77	76	89	88	110	106	115	102
320-90474-27	MP-04-(195-217)-202207	88	87	88	94	103	99	111	96
320-90474-28	MP-04-(155-192)-202207	79	80	87	93	106		142	97
320-90474-28 - DL	MP-04-(155-192)-202207						109		
320-90474-29	MP-04-(115-152)-202207	112	109	109	110	128		136	126
320-90474-29 - DL	MP-04-(115-152)-202207						131		
320-90474-30	MP-04-(080-112)-202207	85	84	91	90	104		111	101
320-90474-30 - DL	MP-04-(080-112)-202207						103		
320-90474-31	MP-04-(048-077)-202207	89	81	92	91	110	109	106	101
320-90474-32	MP-05-(SWL-065)-202207	59	55	59	55	85	85	83	78
320-90474-33	DUP-01-202207	66	62	67	61	99	98	98	92
320-90474-34	DUP-02-202207	107	104	113	110	122		144	127
320-90474-34 - DL	DUP-02-202207						122		
320-90474-35	DUP-03-202207	85	82	89	90	107	107	109	98
320-90474-36	DUP-04-202207	83	84	91	90	107		135	97
320-90474-36 - DL	DUP-04-202207						107		
320-90474-37	MP-01-EB-202207	76	80	86	88	105	106	126	98
320-90474-38	MP-02-EB-202207	77	77	87	86	112	109	116	102
320-90474-39	MP-03-EB-202207	72	73	82	82	105	103	114	97
320-90474-40	MP-04-EB-202207	82	83	87	87	112	118	128	102
320-90474-41	MP-05-EB-202207	82	81	85	83	113	111	117	99
320-90474-42	FB-01-202207	81	83	87	83	111	111	105	99
320-90474-43	MW-01-202207	90	89	91	87	95		108	99
320-90474-43 - DL	MW-01-202207						103		
320-90474-44	MW-02-202207	86	88	84	80	101		104	98
320-90474-44 - DL	MW-02-202207						110		
320-90474-45	MW-03-202207	72	74	75	77	69	87	89	85
320-90474-46	MW-04-202207	116	112	113	113	100			113
320-90474-46 - DL	MW-04-202207						170 *5+	143	
320-90474-47	MW-05-202207	48	46	45	45	78		74	72
320-90474-47 - DL	MW-05-202207						70		
320-90474-48	MW-06-202207	72	69	66	63	83	81	83	81
320-90474-49	MW-07-202207	89	91	94	88	87	85	98	93
320-90474-50	PZ-01-202207	79	80	84	84	87	88	94	90
320-90474-51	DUP-06-202207	85	83	85	86	85		99	91
320-90474-51 - DL	DUP-06-202207						90		
320-90474-52	FB-02-202207	73	80	80	87	86	90	86	89
320-90474-53	EB-01-202207	75	77	80	81	83	90	91	81
LCS 320-611089/2-A	Lab Control Sample	76	78	88	88	116	113	112	103
LCS 320-611098/2-A	Lab Control Sample	83	86	96	94	98	100	102	99
LCS 320-611158/2-A	Lab Control Sample	84	87	99	93	94	89	104	94
LCS 320-611333/2-A	Lab Control Sample	87	84	87	83	107	107	111	102
LCSD 320-611089/3-A	Lab Control Sample Dup	81	79	91	88	113	109	103	99
LCSD 320-611098/3-A	Lab Control Sample Dup	90	87	97	95	104	107	109	101

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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)
LCSD 320-611158/3-A	Lab Control Sample Dup	82	81	94	92	93	95	98	96
LCSD 320-611333/3-A	Lab Control Sample Dup	88	83	88	85	108	110	105	96
MB 320-611089/1-A	Method Blank	76	76	89	83	122	118	116	105
MB 320-611098/1-A	Method Blank	81	87	88	91	103	102	111	95
MB 320-611158/1-A	Method Blank	81	79	87	89	98	98	106	98
MB 320-611333/1-A	Method Blank	78	77	79	74	97	99	94	85

Lab Sample ID	Client Sample ID	M102FTS (25-150)
		320-90474-1
320-90474-2	MP-01-(253-274)-202207	97
320-90474-3	MP-01-(223-250)-202207	121
320-90474-4 - DL	MP-01-(198-220)-202207	
320-90474-4	MP-01-(198-220)-202207	134
320-90474-5	MP-01-(155-195)-202207	177 *5+
320-90474-5 - DL	MP-01-(155-195)-202207	
320-90474-6	MP-01-(121-152)-202207	171 *5+
320-90474-6 - DL	MP-01-(121-152)-202207	
320-90474-7	MP-01-(091-118)-202207	122
320-90474-7 - DL	MP-01-(091-118)-202207	
320-90474-8	MP-01-(051-088)-202207	137
320-90474-8 - DL	MP-01-(051-088)-202207	
320-90474-9	MP-02-(279-300)-202207	119
320-90474-10	MP-02-(253-276)-202207	134
320-90474-11	MP-02-(223-250)-202207	114
320-90474-12	MP-02-(198-220)-202207	147
320-90474-12 - DL	MP-02-(198-220)-202207	
320-90474-13	MP-02-(153-195)-202207-A	74
320-90474-13 - DL	MP-02-(153-195)-202207-A	
320-90474-14	MP-02-(153-195)-202207-B	77
320-90474-14 - DL	MP-02-(153-195)-202207-B	
320-90474-16	MP-03-(280-300)-202207	103
320-90474-17	MP-03-(245-277)-202207	134
320-90474-18	MP-03-(220-242)-202207	79
320-90474-19	MP-03-(190-217)-202207	160 *5+
320-90474-20	MP-03-(160-187)-202207	111
320-90474-20 - DL	MP-03-(160-187)-202207	
320-90474-21	MP-03-(120-157)-202207	64
320-90474-22	MP-03-(083-117)-202207	102
320-90474-23	MP-03-(046-080)-202207	102
320-90474-24	MP-04-(275-291)-202207	116
320-90474-25	MP-04-(245-272)-202207	110
320-90474-26	MP-04-(220-242)-202207	121
320-90474-27	MP-04-(195-217)-202207	134
320-90474-28	MP-04-(155-192)-202207	132
320-90474-28 - DL	MP-04-(155-192)-202207	
320-90474-29	MP-04-(115-152)-202207	138
320-90474-29 - DL	MP-04-(115-152)-202207	
320-90474-30	MP-04-(080-112)-202207	110
320-90474-30 - DL	MP-04-(080-112)-202207	

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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	M102FTS (25-150)
320-90474-31	MP-04-(048-077)-202207	106
320-90474-32	MP-05-(SWL-065)-202207	74
320-90474-33	DUP-01-202207	91
320-90474-34	DUP-02-202207	145
320-90474-34 - DL	DUP-02-202207	
320-90474-35	DUP-03-202207	105
320-90474-36	DUP-04-202207	133
320-90474-36 - DL	DUP-04-202207	
320-90474-37	MP-01-EB-202207	127
320-90474-38	MP-02-EB-202207	120
320-90474-39	MP-03-EB-202207	127
320-90474-40	MP-04-EB-202207	131
320-90474-41	MP-05-EB-202207	117
320-90474-42	FB-01-202207	106
320-90474-43	MW-01-202207	110
320-90474-43 - DL	MW-01-202207	
320-90474-44	MW-02-202207	96
320-90474-44 - DL	MW-02-202207	
320-90474-45	MW-03-202207	86
320-90474-46	MW-04-202207	134
320-90474-46 - DL	MW-04-202207	
320-90474-47	MW-05-202207	53
320-90474-47 - DL	MW-05-202207	
320-90474-48	MW-06-202207	80
320-90474-49	MW-07-202207	101
320-90474-50	PZ-01-202207	91
320-90474-51	DUP-06-202207	105
320-90474-51 - DL	DUP-06-202207	
320-90474-52	FB-02-202207	92
320-90474-53	EB-01-202207	90
LCS 320-611089/2-A	Lab Control Sample	114
LCS 320-611098/2-A	Lab Control Sample	102
LCS 320-611158/2-A	Lab Control Sample	107
LCS 320-611333/2-A	Lab Control Sample	109
LCSD 320-611089/3-A	Lab Control Sample Dup	109
LCSD 320-611098/3-A	Lab Control Sample Dup	110
LCSD 320-611158/3-A	Lab Control Sample Dup	105
LCSD 320-611333/3-A	Lab Control Sample Dup	108
MB 320-611089/1-A	Method Blank	113
MB 320-611098/1-A	Method Blank	108
MB 320-611158/1-A	Method Blank	104
MB 320-611333/1-A	Method Blank	91

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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: 320-90474-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-611089/1-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/22/22 04:56	08/24/22 14:49	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/22/22 04:56	08/24/22 14:49	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/22/22 04:56	08/24/22 14:49	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/22/22 04:56	08/24/22 14:49	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/22/22 04:56	08/24/22 14:49	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/22/22 04:56	08/24/22 14:49	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/22/22 04:56	08/24/22 14:49	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/22/22 04:56	08/24/22 14:49	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 14:49	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/22/22 04:56	08/24/22 14:49	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/22/22 04:56	08/24/22 14:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/22/22 04:56	08/24/22 14:49	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/22/22 04:56	08/24/22 14:49	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 04:56	08/24/22 14:49	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 04:56	08/24/22 14:49	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C5 PFPeA	111		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 PFHxA	115		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C4 PFHpA	112		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C4 PFOA	110		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C5 PFNA	113		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 PFDA	111		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 PFUnA	107		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 PFDoA	110		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 PFTeDA	103		25 - 150	08/22/22 04:56	08/24/22 14:49	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: MB 320-611089/1-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611089

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	107		25 - 150	08/22/22 04:56	08/24/22 14:49	1
18O2 PFHxS	114		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C4 PFOS	109		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C8 FOSA	99		10 - 150	08/22/22 04:56	08/24/22 14:49	1
d3-NMeFOSAA	109		25 - 150	08/22/22 04:56	08/24/22 14:49	1
d5-NEtFOSAA	112		25 - 150	08/22/22 04:56	08/24/22 14:49	1
d-N-MeFOSA-M	76		10 - 150	08/22/22 04:56	08/24/22 14:49	1
d-N-EtFOSA-M	76		10 - 150	08/22/22 04:56	08/24/22 14:49	1
d7-N-MeFOSE-M	89		10 - 150	08/22/22 04:56	08/24/22 14:49	1
d9-N-EtFOSE-M	83		10 - 150	08/22/22 04:56	08/24/22 14:49	1
M2-4:2 FTS	122		25 - 150	08/22/22 04:56	08/24/22 14:49	1
M2-6:2 FTS	118		25 - 150	08/22/22 04:56	08/24/22 14:49	1
M2-8:2 FTS	116		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C3 HFPO-DA	105		25 - 150	08/22/22 04:56	08/24/22 14:49	1
13C2 10:2 FTS	113		25 - 150	08/22/22 04:56	08/24/22 14:49	1

Lab Sample ID: LCS 320-611089/2-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	36.8		ng/L		92	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	36.2		ng/L		91	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.1		ng/L		90	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	37.8		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.7		ng/L		94	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.4		ng/L		96	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	35.8		ng/L		90	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.3		ng/L		101	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	38.0		ng/L		95	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	37.3		ng/L		93	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	34.6		ng/L		97	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.1		ng/L		99	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.3		ng/L		86	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.3		ng/L		100	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	32.0		ng/L		86	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	38.1		ng/L		99	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	37.7		ng/L		98	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.5		ng/L		92	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCS 320-611089/2-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	40.0	38.6		ng/L		97	60 - 135
NEtFOSA	40.0	39.1		ng/L		98	60 - 135
NMeFOSA	40.0	43.0		ng/L		108	60 - 135
NMeFOSAA	40.0	36.7		ng/L		92	60 - 135
NEtFOSAA	40.0	37.5		ng/L		94	60 - 135
NMeFOSE	40.0	39.6		ng/L		99	60 - 135
NEtFOSE	40.0	38.9		ng/L		97	60 - 135
4:2 FTS	37.5	35.8		ng/L		96	60 - 135
6:2 FTS	38.1	34.2		ng/L		90	60 - 135
8:2 FTS	38.4	36.3		ng/L		95	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.2		ng/L		96	60 - 135
HFPO-DA (GenX)	40.0	34.2		ng/L		85	60 - 135
9Cl-PF3ONS	37.4	32.6		ng/L		87	60 - 135
11Cl-PF3OUdS	37.8	34.6		ng/L		92	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	107		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	113		25 - 150
13C4 PFHpA	109		25 - 150
13C4 PFOA	109		25 - 150
13C5 PFNA	107		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	104		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	103		25 - 150
13C3 PFBS	105		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	107		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	102		25 - 150
d5-NEtFOSAA	110		25 - 150
d-N-MeFOSA-M	76		10 - 150
d-N-EtFOSA-M	78		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	116		25 - 150
M2-6:2 FTS	113		25 - 150
M2-8:2 FTS	112		25 - 150
13C3 HFPO-DA	103		25 - 150
13C2 10:2 FTS	114		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611089/3-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611089

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	36.6		ng/L		91	60 - 135	1	30	
Perfluoropentanoic acid (PFPeA)	40.0	38.3		ng/L		96	60 - 135	6	30	
Perfluorohexanoic acid (PFHxA)	40.0	37.5		ng/L		94	60 - 135	4	30	
Perfluoroheptanoic acid (PFHpA)	40.0	38.5		ng/L		96	60 - 135	2	30	
Perfluorooctanoic acid (PFOA)	40.0	38.4		ng/L		96	60 - 135	2	30	
Perfluorononanoic acid (PFNA)	40.0	36.3		ng/L		91	60 - 135	6	30	
Perfluorodecanoic acid (PFDA)	40.0	37.4		ng/L		93	60 - 135	4	30	
Perfluoroundecanoic acid (PFUnA)	40.0	39.8		ng/L		99	60 - 135	2	30	
Perfluorododecanoic acid (PFDoA)	40.0	39.7		ng/L		99	60 - 135	2	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	37.9		ng/L		95	60 - 135	0	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	38.6		ng/L		97	60 - 135	3	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	34.0		ng/L		96	60 - 135	2	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.5		ng/L		100	60 - 135	1	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	30.5		ng/L		84	60 - 135	3	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.5		ng/L		98	60 - 135	2	30	
Perfluorooctanesulfonic acid (PFOS)	37.2	32.9		ng/L		88	60 - 135	3	30	
Perfluorononanesulfonic acid (PFNS)	38.5	38.8		ng/L		101	60 - 135	2	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	39.0		ng/L		101	60 - 135	3	30	
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.3		ng/L		96	60 - 135	5	30	
Perfluorooctanesulfonamide (FOSA)	40.0	37.5		ng/L		94	60 - 135	3	30	
NEtFOSA	40.0	41.1		ng/L		103	60 - 135	5	30	
NMeFOSA	40.0	42.0		ng/L		105	60 - 135	2	30	
NMeFOSAA	40.0	36.2		ng/L		91	60 - 135	1	30	
NEtFOSAA	40.0	39.7		ng/L		99	60 - 135	6	30	
NMeFOSE	40.0	38.4		ng/L		96	60 - 135	3	30	
NEtFOSE	40.0	40.3		ng/L		101	60 - 135	4	30	
4:2 FTS	37.5	35.8		ng/L		95	60 - 135	0	30	
6:2 FTS	38.1	35.7		ng/L		94	60 - 135	4	30	
8:2 FTS	38.4	38.8		ng/L		101	60 - 135	7	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.1		ng/L		95	60 - 135	0	30	
HFPO-DA (GenX)	40.0	35.0		ng/L		87	60 - 135	2	30	
9CI-PF3ONS	37.4	34.0		ng/L		91	60 - 135	4	30	
11CI-PF3OUdS	37.8	35.6		ng/L		94	60 - 135	3	30	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	106		25 - 150
13C5 PFPeA	101		25 - 150
13C2 PFHxA	109		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611089/3-A
Matrix: Water
Analysis Batch: 611673

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611089

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C4 PFHpA	106		25 - 150
13C4 PFOA	106		25 - 150
13C5 PFNA	109		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	104		25 - 150
13C2 PFDoA	109		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	103		25 - 150
18O2 PFHxS	109		25 - 150
13C4 PFOS	105		25 - 150
13C8 FOSA	99		10 - 150
d3-NMeFOSAA	104		25 - 150
d5-NEtFOSAA	108		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	79		10 - 150
d7-N-MeFOSE-M	91		10 - 150
d9-N-EtFOSE-M	88		10 - 150
M2-4:2 FTS	113		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	99		25 - 150
13C2 10:2 FTS	109		25 - 150

Lab Sample ID: MB 320-611098/1-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611098

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 05:31	08/24/22 06:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/22/22 05:31	08/24/22 06:25	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: MB 320-611098/1-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611098

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/22/22 05:31	08/24/22 06:25	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/22/22 05:31	08/24/22 06:25	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/22/22 05:31	08/24/22 06:25	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/22/22 05:31	08/24/22 06:25	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/22/22 05:31	08/24/22 06:25	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/22/22 05:31	08/24/22 06:25	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/22/22 05:31	08/24/22 06:25	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 05:31	08/24/22 06:25	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/22/22 05:31	08/24/22 06:25	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/22/22 05:31	08/24/22 06:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/22/22 05:31	08/24/22 06:25	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/22/22 05:31	08/24/22 06:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 05:31	08/24/22 06:25	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 05:31	08/24/22 06:25	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	103		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C5 PFPeA	98		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 PFHxA	103		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C4 PFHpA	103		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C4 PFOA	106		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C5 PFNA	99		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 PFDA	104		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 PFUnA	111		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 PFDoA	103		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 PFTeDA	99		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C3 PFBS	106		25 - 150	08/22/22 05:31	08/24/22 06:25	1
18O2 PFHxS	106		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C4 PFOS	98		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C8 FOSA	101		10 - 150	08/22/22 05:31	08/24/22 06:25	1
d3-NMeFOSAA	100		25 - 150	08/22/22 05:31	08/24/22 06:25	1
d5-NEtFOSAA	105		25 - 150	08/22/22 05:31	08/24/22 06:25	1
d-N-MeFOSA-M	81		10 - 150	08/22/22 05:31	08/24/22 06:25	1
d-N-EtFOSA-M	87		10 - 150	08/22/22 05:31	08/24/22 06:25	1
d7-N-MeFOSE-M	88		10 - 150	08/22/22 05:31	08/24/22 06:25	1
d9-N-EtFOSE-M	91		10 - 150	08/22/22 05:31	08/24/22 06:25	1
M2-4:2 FTS	103		25 - 150	08/22/22 05:31	08/24/22 06:25	1
M2-6:2 FTS	102		25 - 150	08/22/22 05:31	08/24/22 06:25	1
M2-8:2 FTS	111		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C3 HFPO-DA	95		25 - 150	08/22/22 05:31	08/24/22 06:25	1
13C2 10:2 FTS	108		25 - 150	08/22/22 05:31	08/24/22 06:25	1

Lab Sample ID: LCS 320-611098/2-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	37.8		ng/L		94	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCS 320-611098/2-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	40.0	39.5		ng/L		99	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.0		ng/L		95	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	36.1		ng/L		90	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.6		ng/L		97	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.4		ng/L		93	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	38.6		ng/L		97	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	36.1		ng/L		90	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.0		ng/L		97	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	39.3		ng/L		98	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.0		ng/L		90	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	33.1		ng/L		93	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	35.4		ng/L		94	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.2		ng/L		88	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.1		ng/L		103	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	36.2		ng/L		97	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	40.1		ng/L		104	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	41.7		ng/L		108	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	40.2		ng/L		103	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	35.4		ng/L		88	60 - 135
NEtFOSA	40.0	37.1		ng/L		93	60 - 135
NMeFOSA	40.0	38.6		ng/L		96	60 - 135
NMeFOSAA	40.0	37.1		ng/L		93	60 - 135
NEtFOSAA	40.0	36.4		ng/L		91	60 - 135
NMeFOSE	40.0	38.9		ng/L		97	60 - 135
NEtFOSE	40.0	41.4		ng/L		103	60 - 135
4:2 FTS	37.5	36.7		ng/L		98	60 - 135
6:2 FTS	38.1	36.7		ng/L		96	60 - 135
8:2 FTS	38.4	36.5		ng/L		95	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.9		ng/L		100	60 - 135
HFPO-DA (GenX)	40.0	35.5		ng/L		89	60 - 135
9Cl-PF3ONS	37.4	35.3		ng/L		95	60 - 135
11Cl-PF3OUdS	37.8	35.5		ng/L		94	60 - 135
		LCS LCS					
Isotope Dilution		%Recovery	Qualifier				Limits
13C4 PFBA		99					25 - 150
13C5 PFPeA		98					25 - 150
13C2 PFHxA		102					25 - 150
13C4 PFHpA		104					25 - 150

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCS 320-611098/2-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611098

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFOA	102		25 - 150
13C5 PFNA	99		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	106		25 - 150
13C3 PFBS	106		25 - 150
18O2 PFHxS	106		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	102		10 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	110		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	86		10 - 150
d7-N-MeFOSE-M	96		10 - 150
d9-N-EtFOSE-M	94		10 - 150
M2-4:2 FTS	98		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	102		25 - 150
13C3 HFPO-DA	99		25 - 150
13C2 10:2 FTS	102		25 - 150

Lab Sample ID: LCSD 320-611098/3-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	37.5		ng/L		94	60 - 135	1	30	
Perfluoropentanoic acid (PFPeA)	40.0	38.5		ng/L		96	60 - 135	2	30	
Perfluorohexanoic acid (PFHxA)	40.0	39.1		ng/L		98	60 - 135	3	30	
Perfluoroheptanoic acid (PFHpA)	40.0	37.5		ng/L		94	60 - 135	4	30	
Perfluorooctanoic acid (PFOA)	40.0	36.3		ng/L		91	60 - 135	6	30	
Perfluorononanoic acid (PFNA)	40.0	37.2		ng/L		93	60 - 135	1	30	
Perfluorodecanoic acid (PFDA)	40.0	36.9		ng/L		92	60 - 135	5	30	
Perfluoroundecanoic acid (PFUnA)	40.0	38.3		ng/L		96	60 - 135	6	30	
Perfluorododecanoic acid (PFDoA)	40.0	41.0		ng/L		103	60 - 135	5	30	
Perfluorotridecanoic acid (PFTTrDA)	40.0	39.7		ng/L		99	60 - 135	1	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	40.0		ng/L		100	60 - 135	10	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	34.1		ng/L		96	60 - 135	3	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	35.8		ng/L		95	60 - 135	1	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.6		ng/L		92	60 - 135	4	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	35.6		ng/L		93	60 - 135	10	30	

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611098/3-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611098

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	37.2	33.2		ng/L		89	60 - 135	9	30
Perfluorononanesulfonic acid (PFNS)	38.5	36.9		ng/L		96	60 - 135	8	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.4		ng/L		94	60 - 135	14	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.6		ng/L		87	60 - 135	18	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.3		ng/L		96	60 - 135	8	30
NEtFOSA	40.0	37.9		ng/L		95	60 - 135	2	30
NMeFOSA	40.0	37.7		ng/L		94	60 - 135	2	30
NMeFOSAA	40.0	37.8		ng/L		95	60 - 135	2	30
NEtFOSAA	40.0	37.6		ng/L		94	60 - 135	3	30
NMeFOSE	40.0	38.7		ng/L		97	60 - 135	1	30
NEtFOSE	40.0	42.0		ng/L		105	60 - 135	2	30
4:2 FTS	37.5	36.2		ng/L		97	60 - 135	1	30
6:2 FTS	38.1	34.5		ng/L		91	60 - 135	6	30
8:2 FTS	38.4	34.3		ng/L		89	60 - 135	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.8		ng/L		95	60 - 135	6	30
HFPO-DA (GenX)	40.0	35.7		ng/L		89	60 - 135	1	30
9Cl-PF3ONS	37.4	32.9		ng/L		88	60 - 135	7	30
11Cl-PF3OUdS	37.8	32.4		ng/L		86	60 - 135	9	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	105		25 - 150
13C5 PFPeA	102		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	109		25 - 150
13C5 PFNA	109		25 - 150
13C2 PFDA	106		25 - 150
13C2 PFUnA	112		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	104		25 - 150
13C3 PFBS	108		25 - 150
18O2 PFHxS	110		25 - 150
13C4 PFOS	108		25 - 150
13C8 FOSA	103		10 - 150
d3-NMeFOSAA	105		25 - 150
d5-NEtFOSAA	108		25 - 150
d-N-MeFOSA-M	90		10 - 150
d-N-EtFOSA-M	87		10 - 150
d7-N-MeFOSE-M	97		10 - 150
d9-N-EtFOSE-M	95		10 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	109		25 - 150
13C3 HFPO-DA	101		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611098/3-A
Matrix: Water
Analysis Batch: 611710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611098

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

Lab Sample ID: MB 320-611158/1-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611158

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/22/22 12:06	08/24/22 01:11	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/22/22 12:06	08/24/22 01:11	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/22/22 12:06	08/24/22 01:11	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/22/22 12:06	08/24/22 01:11	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/22/22 12:06	08/24/22 01:11	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/22/22 12:06	08/24/22 01:11	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/22/22 12:06	08/24/22 01:11	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/22/22 12:06	08/24/22 01:11	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 01:11	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/22/22 12:06	08/24/22 01:11	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/22/22 12:06	08/24/22 01:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/22/22 12:06	08/24/22 01:11	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/22/22 12:06	08/24/22 01:11	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 12:06	08/24/22 01:11	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 12:06	08/24/22 01:11	1
Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	90		25 - 150	08/22/22 12:06	08/24/22 01:11	1			
13C5 PFPeA	98		25 - 150	08/22/22 12:06	08/24/22 01:11	1			
13C2 PFHxA	90		25 - 150	08/22/22 12:06	08/24/22 01:11	1			
13C4 PFHpA	98		25 - 150	08/22/22 12:06	08/24/22 01:11	1			

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: MB 320-611158/1-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611158

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFOA	104		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C5 PFNA	101		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C2 PFDA	99		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C2 PFUnA	100		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C2 PFDoA	97		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C2 PFTeDA	102		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C3 PFBS	97		25 - 150	08/22/22 12:06	08/24/22 01:11	1
18O2 PFHxS	96		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C4 PFOS	93		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C8 FOSA	92		10 - 150	08/22/22 12:06	08/24/22 01:11	1
d3-NMeFOSAA	100		25 - 150	08/22/22 12:06	08/24/22 01:11	1
d5-NEtFOSAA	103		25 - 150	08/22/22 12:06	08/24/22 01:11	1
d-N-MeFOSA-M	81		10 - 150	08/22/22 12:06	08/24/22 01:11	1
d-N-EtFOSA-M	79		10 - 150	08/22/22 12:06	08/24/22 01:11	1
d7-N-MeFOSE-M	87		10 - 150	08/22/22 12:06	08/24/22 01:11	1
d9-N-EtFOSE-M	89		10 - 150	08/22/22 12:06	08/24/22 01:11	1
M2-4:2 FTS	98		25 - 150	08/22/22 12:06	08/24/22 01:11	1
M2-6:2 FTS	98		25 - 150	08/22/22 12:06	08/24/22 01:11	1
M2-8:2 FTS	106		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C3 HFPO-DA	98		25 - 150	08/22/22 12:06	08/24/22 01:11	1
13C2 10:2 FTS	104		25 - 150	08/22/22 12:06	08/24/22 01:11	1

Lab Sample ID: LCS 320-611158/2-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	40.0	46.4		ng/L		116	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	47.6		ng/L		119	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	46.0		ng/L		115	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	43.8		ng/L		109	60 - 135
Perfluorononanoic acid (PFNA)	40.0	42.3		ng/L		106	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.8		ng/L		107	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	44.8		ng/L		112	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.9		ng/L		112	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	43.3		ng/L		108	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.5		ng/L		109	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	43.1		ng/L		121	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	43.8		ng/L		117	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	40.3		ng/L		110	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	42.2		ng/L		110	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCS 320-611158/2-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	37.2	38.7		ng/L		104	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	42.6		ng/L		111	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	44.4		ng/L		115	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	40.8		ng/L		105	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	43.7		ng/L		109	60 - 135
NEtFOSA	40.0	42.1		ng/L		105	60 - 135
NMeFOSA	40.0	42.3		ng/L		106	60 - 135
NMeFOSAA	40.0	41.1		ng/L		103	60 - 135
NEtFOSAA	40.0	44.2		ng/L		110	60 - 135
NMeFOSE	40.0	40.8		ng/L		102	60 - 135
NEtFOSE	40.0	46.0		ng/L		115	60 - 135
4:2 FTS	37.5	40.6		ng/L		108	60 - 135
6:2 FTS	38.1	42.6		ng/L		112	60 - 135
8:2 FTS	38.4	41.8		ng/L		109	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	45.2		ng/L		120	60 - 135
HFPO-DA (GenX)	40.0	44.0		ng/L		110	60 - 135
9Cl-PF3ONS	37.4	40.6		ng/L		109	60 - 135
11Cl-PF3OUdS	37.8	37.8		ng/L		100	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	90		25 - 150
13C5 PFPeA	93		25 - 150
13C2 PFHxA	89		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	100		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	100		25 - 150
13C3 PFBS	89		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	97		25 - 150
d-N-MeFOSA-M	84		10 - 150
d-N-EtFOSA-M	87		10 - 150
d7-N-MeFOSE-M	99		10 - 150
d9-N-EtFOSE-M	93		10 - 150
M2-4:2 FTS	94		25 - 150
M2-6:2 FTS	89		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: 320-90474-1

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

Lab Sample ID: LCS 320-611158/2-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611158

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 10:2 FTS	107		25 - 150

Lab Sample ID: LCSD 320-611158/3-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611158

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	45.2		ng/L		113	60 - 135	1	30	
Perfluoropentanoic acid (PFPeA)	40.0	44.2		ng/L		111	60 - 135	5	30	
Perfluorohexanoic acid (PFHxA)	40.0	44.8		ng/L		112	60 - 135	6	30	
Perfluoroheptanoic acid (PFHpA)	40.0	44.3		ng/L		111	60 - 135	4	30	
Perfluorooctanoic acid (PFOA)	40.0	44.8		ng/L		112	60 - 135	2	30	
Perfluorononanoic acid (PFNA)	40.0	43.3		ng/L		108	60 - 135	2	30	
Perfluorodecanoic acid (PFDA)	40.0	43.1		ng/L		108	60 - 135	1	30	
Perfluoroundecanoic acid (PFUnA)	40.0	44.5		ng/L		111	60 - 135	1	30	
Perfluorododecanoic acid (PFDoA)	40.0	44.3		ng/L		111	60 - 135	1	30	
Perfluorotridecanoic acid (PFTrDA)	40.0	43.3		ng/L		108	60 - 135	0	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	39.7		ng/L		99	60 - 135	9	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	42.2		ng/L		119	60 - 135	2	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.6		ng/L		108	60 - 135	8	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	39.8		ng/L		109	60 - 135	1	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	42.2		ng/L		111	60 - 135	0	30	
Perfluorooctanesulfonic acid (PFOS)	37.2	39.4		ng/L		106	60 - 135	2	30	
Perfluorononanesulfonic acid (PFNS)	38.5	44.0		ng/L		114	60 - 135	3	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	44.2		ng/L		115	60 - 135	0	30	
Perfluorododecanesulfonic acid (PFDoS)	38.8	42.0		ng/L		108	60 - 135	3	30	
Perfluorooctanesulfonamide (FOSA)	40.0	42.6		ng/L		107	60 - 135	3	30	
NEtFOSA	40.0	41.3		ng/L		103	60 - 135	2	30	
NMeFOSA	40.0	38.5		ng/L		96	60 - 135	10	30	
NMeFOSAA	40.0	45.6		ng/L		114	60 - 135	10	30	
NEtFOSAA	40.0	41.4		ng/L		104	60 - 135	6	30	
NMeFOSE	40.0	43.2		ng/L		108	60 - 135	6	30	
NEtFOSE	40.0	45.4		ng/L		113	60 - 135	1	30	
4:2 FTS	37.5	41.0		ng/L		109	60 - 135	1	30	
6:2 FTS	38.1	41.9		ng/L		110	60 - 135	1	30	
8:2 FTS	38.4	44.8		ng/L		117	60 - 135	7	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	42.5		ng/L		112	60 - 135	6	30	
HFPO-DA (GenX)	40.0	44.5		ng/L		111	60 - 135	1	30	

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611158/3-A
Matrix: Water
Analysis Batch: 611626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611158

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
9CI-PF3ONS	37.4	39.0		ng/L		104	60 - 135	4	30	
11CI-PF3OUdS	37.8	40.2		ng/L		107	60 - 135	6	30	
		LCSD	LCSD							
Isotope Dilution	%Recovery	Qualifier	Limits							
13C4 PFBA	94		25 - 150							
13C5 PFPeA	97		25 - 150							
13C2 PFHxA	94		25 - 150							
13C4 PFHpA	102		25 - 150							
13C4 PFOA	103		25 - 150							
13C5 PFNA	103		25 - 150							
13C2 PFDA	102		25 - 150							
13C2 PFUnA	104		25 - 150							
13C2 PFDoA	103		25 - 150							
13C2 PFTeDA	108		25 - 150							
13C3 PFBS	93		25 - 150							
18O2 PFHxS	98		25 - 150							
13C4 PFOS	97		25 - 150							
13C8 FOSA	94		10 - 150							
d3-NMeFOSAA	98		25 - 150							
d5-NEtFOSAA	105		25 - 150							
d-N-MeFOSA-M	82		10 - 150							
d-N-EtFOSA-M	81		10 - 150							
d7-N-MeFOSE-M	94		10 - 150							
d9-N-EtFOSE-M	92		10 - 150							
M2-4:2 FTS	93		25 - 150							
M2-6:2 FTS	95		25 - 150							
M2-8:2 FTS	98		25 - 150							
13C3 HFPO-DA	96		25 - 150							
13C2 10:2 FTS	105		25 - 150							

Lab Sample ID: MB 320-611333/1-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611333

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorotridecanoic acid (PFTTrDA)	<1.3		2.0	1.3	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/22/22 19:26	08/24/22 00:38	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: MB 320-611333/1-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611333

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/22/22 19:26	08/24/22 00:38	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/22/22 19:26	08/24/22 00:38	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/22/22 19:26	08/24/22 00:38	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/22/22 19:26	08/24/22 00:38	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/22/22 19:26	08/24/22 00:38	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/22/22 19:26	08/24/22 00:38	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/22/22 19:26	08/24/22 00:38	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/22/22 19:26	08/24/22 00:38	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/22/22 19:26	08/24/22 00:38	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/22/22 19:26	08/24/22 00:38	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/22/22 19:26	08/24/22 00:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/22/22 19:26	08/24/22 00:38	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/22/22 19:26	08/24/22 00:38	1
9CI-PF3ONS	<0.24		2.0	0.24	ng/L		08/22/22 19:26	08/24/22 00:38	1
11CI-PF3OUdS	<0.32		2.0	0.32	ng/L		08/22/22 19:26	08/24/22 00:38	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	83		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C5 PFPeA	86		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C2 PFHxA	90		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C4 PFHpA	89		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C4 PFOA	91		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C5 PFNA	93		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C2 PFDA	89		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C2 PFUnA	90		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C2 PFDoA	89		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C2 PFTeDA	92		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C3 PFBS	80		25 - 150	08/22/22 19:26	08/24/22 00:38	1
18O2 PFHxS	91		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C4 PFOS	87		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C8 FOSA	83		10 - 150	08/22/22 19:26	08/24/22 00:38	1
d3-NMeFOSAA	94		25 - 150	08/22/22 19:26	08/24/22 00:38	1
d5-NEtFOSAA	95		25 - 150	08/22/22 19:26	08/24/22 00:38	1
d-N-MeFOSA-M	78		10 - 150	08/22/22 19:26	08/24/22 00:38	1
d-N-EtFOSA-M	77		10 - 150	08/22/22 19:26	08/24/22 00:38	1
d7-N-MeFOSE-M	79		10 - 150	08/22/22 19:26	08/24/22 00:38	1
d9-N-EtFOSE-M	74		10 - 150	08/22/22 19:26	08/24/22 00:38	1
M2-4:2 FTS	97		25 - 150	08/22/22 19:26	08/24/22 00:38	1
M2-6:2 FTS	99		25 - 150	08/22/22 19:26	08/24/22 00:38	1
M2-8:2 FTS	94		25 - 150	08/22/22 19:26	08/24/22 00:38	1
13C3 HFPO-DA	85		25 - 150	08/22/22 19:26	08/24/22 00:38	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: MB 320-611333/1-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611333

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 10:2 FTS	91		25 - 150	08/22/22 19:26	08/24/22 00:38	1

Lab Sample ID: LCS 320-611333/2-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	40.0	45.9		ng/L		115	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	44.3		ng/L		111	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	41.1		ng/L		103	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	44.1		ng/L		110	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	44.1		ng/L		110	60 - 135
Perfluorononanoic acid (PFNA)	40.0	42.3		ng/L		106	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.0		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.6		ng/L		109	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	46.7		ng/L		117	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	44.8		ng/L		112	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.7		ng/L		104	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.5	40.2		ng/L		113	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	45.8		ng/L		122	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.0		ng/L		93	60 - 135
Perfluoroheptanesulfonic acid (PFHpS)	38.2	44.1		ng/L		116	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	37.4		ng/L		100	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	44.6		ng/L		116	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	42.1		ng/L		109	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	40.0		ng/L		103	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	43.8		ng/L		110	60 - 135
NEtFOSA	40.0	44.2		ng/L		110	60 - 135
NMeFOSA	40.0	45.4		ng/L		113	60 - 135
NMeFOSAA	40.0	38.4		ng/L		96	60 - 135
NEtFOSAA	40.0	44.4		ng/L		111	60 - 135
NMeFOSE	40.0	43.0		ng/L		107	60 - 135
NEtFOSE	40.0	45.5		ng/L		114	60 - 135
4:2 FTS	37.5	40.7		ng/L		108	60 - 135
6:2 FTS	38.1	40.4		ng/L		106	60 - 135
8:2 FTS	38.4	38.4		ng/L		100	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	42.2		ng/L		112	60 - 135
HFPO-DA (GenX)	40.0	36.6		ng/L		91	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCS 320-611333/2-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9CI-PF3ONS	37.4	38.1		ng/L		102	60 - 135
11CI-PF3OUdS	37.8	40.8		ng/L		108	60 - 135
		LCS %Recovery	LCS Qualifier			Limits	
<i>13C4 PFBA</i>		92				25 - 150	
<i>13C5 PFPeA</i>		95				25 - 150	
<i>13C2 PFHxA</i>		105				25 - 150	
<i>13C4 PFHpA</i>		102				25 - 150	
<i>13C4 PFOA</i>		103				25 - 150	
<i>13C5 PFNA</i>		106				25 - 150	
<i>13C2 PFDA</i>		104				25 - 150	
<i>13C2 PFUnA</i>		103				25 - 150	
<i>13C2 PFDoA</i>		101				25 - 150	
<i>13C2 PFTeDA</i>		107				25 - 150	
<i>13C3 PFBS</i>		91				25 - 150	
<i>18O2 PFHxS</i>		103				25 - 150	
<i>13C4 PFOS</i>		99				25 - 150	
<i>13C8 FOSA</i>		95				10 - 150	
<i>d3-NMeFOSAA</i>		106				25 - 150	
<i>d5-NEtFOSAA</i>		106				25 - 150	
<i>d-N-MeFOSA-M</i>		87				10 - 150	
<i>d-N-EtFOSA-M</i>		84				10 - 150	
<i>d7-N-MeFOSE-M</i>		87				10 - 150	
<i>d9-N-EtFOSE-M</i>		83				10 - 150	
<i>M2-4:2 FTS</i>		107				25 - 150	
<i>M2-6:2 FTS</i>		107				25 - 150	
<i>M2-8:2 FTS</i>		111				25 - 150	
<i>13C3 HFPO-DA</i>		102				25 - 150	
<i>13C2 10:2 FTS</i>		109				25 - 150	

Lab Sample ID: LCSD 320-611333/3-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	40.0	42.3		ng/L		106	60 - 135	8	30
Perfluoropentanoic acid (PFPeA)	40.0	41.6		ng/L		104	60 - 135	6	30
Perfluorohexanoic acid (PFHxA)	40.0	42.2		ng/L		106	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	43.7		ng/L		109	60 - 135	1	30
Perfluorooctanoic acid (PFOA)	40.0	43.4		ng/L		109	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	42.2		ng/L		105	60 - 135	0	30
Perfluorodecanoic acid (PFDA)	40.0	41.6		ng/L		104	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.5		ng/L		109	60 - 135	0	30
Perfluorododecanoic acid (PFDoA)	40.0	46.4		ng/L		116	60 - 135	1	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	44.1		ng/L		110	60 - 135	2	30
Perfluorotetradecanoic acid (PFTeA)	40.0	40.2		ng/L		100	60 - 135	4	30

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611333/3-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanesulfonic acid (PFBS)	35.5	40.4		ng/L		114	60 - 135	1	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	44.5		ng/L		119	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.0		ng/L		93	60 - 135	0	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	43.3		ng/L		114	60 - 135	2	30
Perfluorooctanesulfonic acid (PFOS)	37.2	37.0		ng/L		100	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)	38.5	44.0		ng/L		114	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)	38.6	42.5		ng/L		110	60 - 135	1	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.0		ng/L		98	60 - 135	5	30
Perfluorooctanesulfonamide (FOSA)	40.0	43.2		ng/L		108	60 - 135	1	30
NEtFOSA	40.0	45.0		ng/L		113	60 - 135	2	30
NMeFOSA	40.0	44.2		ng/L		110	60 - 135	3	30
NMeFOSAA	40.0	37.2		ng/L		93	60 - 135	3	30
NEtFOSAA	40.0	43.2		ng/L		108	60 - 135	3	30
NMeFOSE	40.0	41.6		ng/L		104	60 - 135	3	30
NEtFOSE	40.0	44.5		ng/L		111	60 - 135	2	30
4:2 FTS	37.5	38.4		ng/L		102	60 - 135	6	30
6:2 FTS	38.1	38.2		ng/L		100	60 - 135	6	30
8:2 FTS	38.4	38.8		ng/L		101	60 - 135	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.2		ng/L		106	60 - 135	5	30
HFPO-DA (GenX)	40.0	38.0		ng/L		95	60 - 135	4	30
9CI-PF3ONS	37.4	37.1		ng/L		99	60 - 135	3	30
11CI-PF3OUdS	37.8	39.1		ng/L		103	60 - 135	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	90		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	101		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	101		25 - 150
13C2 PFDoA	99		25 - 150
13C2 PFTeDA	104		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	100		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	107		25 - 150
d5-NEtFOSAA	110		25 - 150
d-N-MeFOSA-M	88		10 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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

Lab Sample ID: LCSD 320-611333/3-A
Matrix: Water
Analysis Batch: 611570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611333

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
d-N-EtFOSA-M	83		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	85		10 - 150
M2-4:2 FTS	108		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	105		25 - 150
13C3 HFPO-DA	96		25 - 150
13C2 10:2 FTS	108		25 - 150

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 320-606825/1
Matrix: Water
Analysis Batch: 606825

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	<5.0		5.0	5.0	mg/L			08/01/22 15:08	1

Lab Sample ID: LCS 320-606825/2
Matrix: Water
Analysis Batch: 606825

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Lab Sample ID: 320-90474-15 DU
Matrix: Water
Analysis Batch: 606825

Client Sample ID: MP-02-(153-195)-202207-C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit

QC Association Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

LCMS

Prep Batch: 611089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-25	MP-04-(245-272)-202207	Total/NA	Water	3535	
320-90474-26	MP-04-(220-242)-202207	Total/NA	Water	3535	
320-90474-27	MP-04-(195-217)-202207	Total/NA	Water	3535	
320-90474-28 - DL	MP-04-(155-192)-202207	Total/NA	Water	3535	
320-90474-28	MP-04-(155-192)-202207	Total/NA	Water	3535	
320-90474-29	MP-04-(115-152)-202207	Total/NA	Water	3535	
320-90474-29 - DL	MP-04-(115-152)-202207	Total/NA	Water	3535	
320-90474-30	MP-04-(080-112)-202207	Total/NA	Water	3535	
320-90474-30 - DL	MP-04-(080-112)-202207	Total/NA	Water	3535	
320-90474-31	MP-04-(048-077)-202207	Total/NA	Water	3535	
320-90474-32	MP-05-(SWL-065)-202207	Total/NA	Water	3535	
320-90474-33	DUP-01-202207	Total/NA	Water	3535	
320-90474-34	DUP-02-202207	Total/NA	Water	3535	
320-90474-34 - DL	DUP-02-202207	Total/NA	Water	3535	
320-90474-35	DUP-03-202207	Total/NA	Water	3535	
320-90474-36	DUP-04-202207	Total/NA	Water	3535	
320-90474-36 - DL	DUP-04-202207	Total/NA	Water	3535	
320-90474-37	MP-01-EB-202207	Total/NA	Water	3535	
320-90474-38	MP-02-EB-202207	Total/NA	Water	3535	
320-90474-39	MP-03-EB-202207	Total/NA	Water	3535	
320-90474-40	MP-04-EB-202207	Total/NA	Water	3535	
320-90474-41	MP-05-EB-202207	Total/NA	Water	3535	
320-90474-42	FB-01-202207	Total/NA	Water	3535	
320-90474-43	MW-01-202207	Total/NA	Water	3535	
320-90474-43 - DL	MW-01-202207	Total/NA	Water	3535	
320-90474-44 - DL	MW-02-202207	Total/NA	Water	3535	
320-90474-44	MW-02-202207	Total/NA	Water	3535	
MB 320-611089/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-611089/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-611089/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 611098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-45	MW-03-202207	Total/NA	Water	3535	
320-90474-46 - DL	MW-04-202207	Total/NA	Water	3535	
320-90474-46	MW-04-202207	Total/NA	Water	3535	
320-90474-47	MW-05-202207	Total/NA	Water	3535	
320-90474-47 - DL	MW-05-202207	Total/NA	Water	3535	
320-90474-48	MW-06-202207	Total/NA	Water	3535	
320-90474-49	MW-07-202207	Total/NA	Water	3535	
320-90474-50	PZ-01-202207	Total/NA	Water	3535	
320-90474-51 - DL	DUP-06-202207	Total/NA	Water	3535	
320-90474-51	DUP-06-202207	Total/NA	Water	3535	
320-90474-52	FB-02-202207	Total/NA	Water	3535	
320-90474-53	EB-01-202207	Total/NA	Water	3535	
MB 320-611098/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-611098/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-611098/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

LCMS

Prep Batch: 611158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-8 - DL	MP-01-(051-088)-202207	Total/NA	Water	3535	
320-90474-8	MP-01-(051-088)-202207	Total/NA	Water	3535	
320-90474-9	MP-02-(279-300)-202207	Total/NA	Water	3535	
320-90474-10	MP-02-(253-276)-202207	Total/NA	Water	3535	
320-90474-11	MP-02-(223-250)-202207	Total/NA	Water	3535	
320-90474-12 - DL	MP-02-(198-220)-202207	Total/NA	Water	3535	
320-90474-12	MP-02-(198-220)-202207	Total/NA	Water	3535	
320-90474-13 - DL	MP-02-(153-195)-202207-A	Total/NA	Water	3535	
320-90474-13	MP-02-(153-195)-202207-A	Total/NA	Water	3535	
320-90474-14	MP-02-(153-195)-202207-B	Total/NA	Water	3535	
320-90474-14 - DL	MP-02-(153-195)-202207-B	Total/NA	Water	3535	
320-90474-16	MP-03-(280-300)-202207	Total/NA	Water	3535	
320-90474-17	MP-03-(245-277)-202207	Total/NA	Water	3535	
320-90474-18	MP-03-(220-242)-202207	Total/NA	Water	3535	
320-90474-19	MP-03-(190-217)-202207	Total/NA	Water	3535	
320-90474-20	MP-03-(160-187)-202207	Total/NA	Water	3535	
320-90474-20 - DL	MP-03-(160-187)-202207	Total/NA	Water	3535	
320-90474-21	MP-03-(120-157)-202207	Total/NA	Water	3535	
320-90474-22	MP-03-(083-117)-202207	Total/NA	Water	3535	
320-90474-23	MP-03-(046-080)-202207	Total/NA	Water	3535	
320-90474-24	MP-04-(275-291)-202207	Total/NA	Water	3535	
MB 320-611158/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-611158/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-611158/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 611333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-1	MP-01-(277-293)-202207	Total/NA	Water	3535	
320-90474-2	MP-01-(253-274)-202207	Total/NA	Water	3535	
320-90474-3	MP-01-(223-250)-202207	Total/NA	Water	3535	
320-90474-4 - DL	MP-01-(198-220)-202207	Total/NA	Water	3535	
320-90474-4	MP-01-(198-220)-202207	Total/NA	Water	3535	
320-90474-5 - DL	MP-01-(155-195)-202207	Total/NA	Water	3535	
320-90474-5	MP-01-(155-195)-202207	Total/NA	Water	3535	
320-90474-6 - DL	MP-01-(121-152)-202207	Total/NA	Water	3535	
320-90474-6	MP-01-(121-152)-202207	Total/NA	Water	3535	
320-90474-7 - DL	MP-01-(091-118)-202207	Total/NA	Water	3535	
320-90474-7	MP-01-(091-118)-202207	Total/NA	Water	3535	
MB 320-611333/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-611333/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-611333/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 611570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-1	MP-01-(277-293)-202207	Total/NA	Water	537 (modified)	611333
320-90474-2	MP-01-(253-274)-202207	Total/NA	Water	537 (modified)	611333
320-90474-3	MP-01-(223-250)-202207	Total/NA	Water	537 (modified)	611333
320-90474-5	MP-01-(155-195)-202207	Total/NA	Water	537 (modified)	611333
320-90474-6	MP-01-(121-152)-202207	Total/NA	Water	537 (modified)	611333
320-90474-7	MP-01-(091-118)-202207	Total/NA	Water	537 (modified)	611333
MB 320-611333/1-A	Method Blank	Total/NA	Water	537 (modified)	611333

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

LCMS (Continued)

Analysis Batch: 611570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-611333/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	611333
LCSD 320-611333/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	611333

Analysis Batch: 611626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-8	MP-01-(051-088)-202207	Total/NA	Water	537 (modified)	611158
320-90474-10	MP-02-(253-276)-202207	Total/NA	Water	537 (modified)	611158
320-90474-11	MP-02-(223-250)-202207	Total/NA	Water	537 (modified)	611158
320-90474-12	MP-02-(198-220)-202207	Total/NA	Water	537 (modified)	611158
320-90474-13	MP-02-(153-195)-202207-A	Total/NA	Water	537 (modified)	611158
320-90474-14	MP-02-(153-195)-202207-B	Total/NA	Water	537 (modified)	611158
320-90474-16	MP-03-(280-300)-202207	Total/NA	Water	537 (modified)	611158
320-90474-17	MP-03-(245-277)-202207	Total/NA	Water	537 (modified)	611158
320-90474-18	MP-03-(220-242)-202207	Total/NA	Water	537 (modified)	611158
320-90474-19	MP-03-(190-217)-202207	Total/NA	Water	537 (modified)	611158
320-90474-20	MP-03-(160-187)-202207	Total/NA	Water	537 (modified)	611158
320-90474-21	MP-03-(120-157)-202207	Total/NA	Water	537 (modified)	611158
320-90474-22	MP-03-(083-117)-202207	Total/NA	Water	537 (modified)	611158
320-90474-23	MP-03-(046-080)-202207	Total/NA	Water	537 (modified)	611158
320-90474-24	MP-04-(275-291)-202207	Total/NA	Water	537 (modified)	611158
MB 320-611158/1-A	Method Blank	Total/NA	Water	537 (modified)	611158
LCS 320-611158/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	611158
LCSD 320-611158/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	611158

Analysis Batch: 611673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-25	MP-04-(245-272)-202207	Total/NA	Water	537 (modified)	611089
320-90474-26	MP-04-(220-242)-202207	Total/NA	Water	537 (modified)	611089
320-90474-28	MP-04-(155-192)-202207	Total/NA	Water	537 (modified)	611089
320-90474-29	MP-04-(115-152)-202207	Total/NA	Water	537 (modified)	611089
320-90474-30	MP-04-(080-112)-202207	Total/NA	Water	537 (modified)	611089
320-90474-31	MP-04-(048-077)-202207	Total/NA	Water	537 (modified)	611089
320-90474-32	MP-05-(SWL-065)-202207	Total/NA	Water	537 (modified)	611089
320-90474-33	DUP-01-202207	Total/NA	Water	537 (modified)	611089
320-90474-34	DUP-02-202207	Total/NA	Water	537 (modified)	611089
320-90474-35	DUP-03-202207	Total/NA	Water	537 (modified)	611089
320-90474-36	DUP-04-202207	Total/NA	Water	537 (modified)	611089
320-90474-37	MP-01-EB-202207	Total/NA	Water	537 (modified)	611089
320-90474-38	MP-02-EB-202207	Total/NA	Water	537 (modified)	611089
320-90474-39	MP-03-EB-202207	Total/NA	Water	537 (modified)	611089
320-90474-40	MP-04-EB-202207	Total/NA	Water	537 (modified)	611089
320-90474-41	MP-05-EB-202207	Total/NA	Water	537 (modified)	611089
320-90474-42	FB-01-202207	Total/NA	Water	537 (modified)	611089
320-90474-43	MW-01-202207	Total/NA	Water	537 (modified)	611089
320-90474-44	MW-02-202207	Total/NA	Water	537 (modified)	611089
MB 320-611089/1-A	Method Blank	Total/NA	Water	537 (modified)	611089
LCS 320-611089/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	611089
LCSD 320-611089/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	611089

Eurofins Sacramento

QC Association Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

LCMS

Analysis Batch: 611710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-45	MW-03-202207	Total/NA	Water	537 (modified)	611098
320-90474-46	MW-04-202207	Total/NA	Water	537 (modified)	611098
320-90474-47	MW-05-202207	Total/NA	Water	537 (modified)	611098
320-90474-48	MW-06-202207	Total/NA	Water	537 (modified)	611098
320-90474-49	MW-07-202207	Total/NA	Water	537 (modified)	611098
320-90474-50	PZ-01-202207	Total/NA	Water	537 (modified)	611098
320-90474-51	DUP-06-202207	Total/NA	Water	537 (modified)	611098
320-90474-52	FB-02-202207	Total/NA	Water	537 (modified)	611098
320-90474-53	EB-01-202207	Total/NA	Water	537 (modified)	611098
MB 320-611098/1-A	Method Blank	Total/NA	Water	537 (modified)	611098
LCS 320-611098/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	611098
LCSD 320-611098/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	611098

Analysis Batch: 612102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-4 - DL	MP-01-(198-220)-202207	Total/NA	Water	537 (modified)	611333
320-90474-4	MP-01-(198-220)-202207	Total/NA	Water	537 (modified)	611333
320-90474-5 - DL	MP-01-(155-195)-202207	Total/NA	Water	537 (modified)	611333
320-90474-6 - DL	MP-01-(121-152)-202207	Total/NA	Water	537 (modified)	611333
320-90474-7 - DL	MP-01-(091-118)-202207	Total/NA	Water	537 (modified)	611333

Analysis Batch: 612227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-8 - DL	MP-01-(051-088)-202207	Total/NA	Water	537 (modified)	611158
320-90474-9	MP-02-(279-300)-202207	Total/NA	Water	537 (modified)	611158
320-90474-12 - DL	MP-02-(198-220)-202207	Total/NA	Water	537 (modified)	611158
320-90474-13 - DL	MP-02-(153-195)-202207-A	Total/NA	Water	537 (modified)	611158
320-90474-14 - DL	MP-02-(153-195)-202207-B	Total/NA	Water	537 (modified)	611158
320-90474-46 - DL	MW-04-202207	Total/NA	Water	537 (modified)	611098
320-90474-47 - DL	MW-05-202207	Total/NA	Water	537 (modified)	611098
320-90474-51 - DL	DUP-06-202207	Total/NA	Water	537 (modified)	611098

Analysis Batch: 612357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-27	MP-04-(195-217)-202207	Total/NA	Water	537 (modified)	611089
320-90474-28 - DL	MP-04-(155-192)-202207	Total/NA	Water	537 (modified)	611089
320-90474-29 - DL	MP-04-(115-152)-202207	Total/NA	Water	537 (modified)	611089
320-90474-30 - DL	MP-04-(080-112)-202207	Total/NA	Water	537 (modified)	611089
320-90474-36 - DL	DUP-04-202207	Total/NA	Water	537 (modified)	611089
320-90474-43 - DL	MW-01-202207	Total/NA	Water	537 (modified)	611089
320-90474-44 - DL	MW-02-202207	Total/NA	Water	537 (modified)	611089

Analysis Batch: 612703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-34 - DL	DUP-02-202207	Total/NA	Water	537 (modified)	611089

Analysis Batch: 613521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-20 - DL	MP-03-(160-187)-202207	Total/NA	Water	537 (modified)	611158

Eurofins Sacramento

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

General Chemistry

Analysis Batch: 606825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90474-15	MP-02-(153-195)-202207-C	Total/NA	Water	SM 2540D	
MB 320-606825/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 320-606825/2	Lab Control Sample	Total/NA	Water	SM 2540D	
320-90474-15 DU	MP-02-(153-195)-202207-C	Total/NA	Water	SM 2540D	

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Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(277-293)-202207

Lab Sample ID: 320-90474-1

Date Collected: 07/27/22 14:40

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			236.9 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 01:08	RS1	EET SAC

Client Sample ID: MP-01-(253-274)-202207

Lab Sample ID: 320-90474-2

Date Collected: 07/27/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			240.8 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 01:19	RS1	EET SAC

Client Sample ID: MP-01-(223-250)-202207

Lab Sample ID: 320-90474-3

Date Collected: 07/27/22 15:10

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			233.5 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 01:29	RS1	EET SAC

Client Sample ID: MP-01-(198-220)-202207

Lab Sample ID: 320-90474-4

Date Collected: 07/27/22 15:30

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		238.3 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	5			612102	08/25/22 16:33	RS1	EET SAC
Total/NA	Prep	3535			238.3 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			612102	08/25/22 16:43	RS1	EET SAC

Client Sample ID: MP-01-(155-195)-202207

Lab Sample ID: 320-90474-5

Date Collected: 07/27/22 15:40

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			211.4 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 01:49	RS1	EET SAC
Total/NA	Prep	3535	DL		211.4 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			612102	08/25/22 17:03	RS1	EET SAC

Client Sample ID: MP-01-(121-152)-202207

Lab Sample ID: 320-90474-6

Date Collected: 07/27/22 15:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			231.5 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 01:59	RS1	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-01-(121-152)-202207

Lab Sample ID: 320-90474-6

Date Collected: 07/27/22 15:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		231.5 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	50			612102	08/25/22 17:13	RS1	EET SAC

Client Sample ID: MP-01-(091-118)-202207

Lab Sample ID: 320-90474-7

Date Collected: 07/27/22 16:05

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.1 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)		1			611570	08/24/22 02:09	RS1	EET SAC
Total/NA	Prep	3535	DL		255.1 mL	10.0 mL	611333	08/22/22 19:26	AM	EET SAC
Total/NA	Analysis	537 (modified)	DL	20			612102	08/25/22 16:53	RS1	EET SAC

Client Sample ID: MP-01-(051-088)-202207

Lab Sample ID: 320-90474-8

Date Collected: 07/27/22 16:15

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 02:42	RS1	EET SAC
Total/NA	Prep	3535	DL		263.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	612227	08/26/22 03:24	AF	EET SAC

Client Sample ID: MP-02-(279-300)-202207

Lab Sample ID: 320-90474-9

Date Collected: 07/27/22 10:15

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.2 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	612227	08/26/22 02:24	AF	EET SAC

Client Sample ID: MP-02-(253-276)-202207

Lab Sample ID: 320-90474-10

Date Collected: 07/27/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:02	RS1	EET SAC

Client Sample ID: MP-02-(223-250)-202207

Lab Sample ID: 320-90474-11

Date Collected: 07/27/22 10:40

Matrix: Water

Date Received: 07/29/22 09:25

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	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:12	RS1	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-02-(198-220)-202207

Lab Sample ID: 320-90474-12

Date Collected: 07/27/22 10:53

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			254.2 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:23	RS1	EET SAC
Total/NA	Prep	3535	DL		254.2 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612227	08/26/22 02:54	AF	EET SAC

Client Sample ID: MP-02-(153-195)-202207-A

Lab Sample ID: 320-90474-13

Date Collected: 07/27/22 11:25

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.8 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:33	RS1	EET SAC
Total/NA	Prep	3535	DL		256.8 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612227	08/26/22 03:04	AF	EET SAC

Client Sample ID: MP-02-(153-195)-202207-B

Lab Sample ID: 320-90474-14

Date Collected: 07/27/22 12:15

Matrix: Water

Date Received: 07/29/22 09:25

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	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:43	RS1	EET SAC
Total/NA	Prep	3535	DL		255.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612227	08/26/22 03:14	AF	EET SAC

Client Sample ID: MP-02-(153-195)-202207-C

Lab Sample ID: 320-90474-15

Date Collected: 07/27/22 13:15

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	5 mL	250 mL	606825	08/01/22 15:08	TCS	EET SAC

Client Sample ID: MP-03-(280-300)-202207

Lab Sample ID: 320-90474-16

Date Collected: 07/26/22 14:45

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.8 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 03:53	RS1	EET SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(245-277)-202207

Lab Sample ID: 320-90474-17

Date Collected: 07/26/22 14:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.7 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 04:03	RS1	EET SAC

Client Sample ID: MP-03-(220-242)-202207

Lab Sample ID: 320-90474-18

Date Collected: 07/26/22 15:07

Matrix: Water

Date Received: 07/29/22 09:25

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	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 04:13	RS1	EET SAC

Client Sample ID: MP-03-(190-217)-202207

Lab Sample ID: 320-90474-19

Date Collected: 07/26/22 15:20

Matrix: Water

Date Received: 07/29/22 09:25

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	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 04:44	RS1	EET SAC

Client Sample ID: MP-03-(160-187)-202207

Lab Sample ID: 320-90474-20

Date Collected: 07/26/22 15:35

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			257.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 04:54	RS1	EET SAC
Total/NA	Prep	3535	DL		257.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	613521	08/31/22 15:39	AEC	EET SAC

Client Sample ID: MP-03-(120-157)-202207

Lab Sample ID: 320-90474-21

Date Collected: 07/26/22 15:50

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			243.3 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 05:04	RS1	EET SAC

Client Sample ID: MP-03-(083-117)-202207

Lab Sample ID: 320-90474-22

Date Collected: 07/26/22 16:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			259.1 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 05:14	RS1	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-03-(046-080)-202207

Lab Sample ID: 320-90474-23

Date Collected: 07/26/22 16:12

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.7 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 05:24	RS1	EET SAC

Client Sample ID: MP-04-(275-291)-202207

Lab Sample ID: 320-90474-24

Date Collected: 07/26/22 12:10

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.4 mL	10.0 mL	611158	08/22/22 12:06	RAC	EET SAC
Total/NA	Analysis	537 (modified)		1			611626	08/24/22 05:34	RS1	EET SAC

Client Sample ID: MP-04-(245-272)-202207

Lab Sample ID: 320-90474-25

Date Collected: 07/26/22 12:35

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			235.6 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 15:20	K1S	EET SAC

Client Sample ID: MP-04-(220-242)-202207

Lab Sample ID: 320-90474-26

Date Collected: 07/26/22 12:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.9 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 16:00	K1S	EET SAC

Client Sample ID: MP-04-(195-217)-202207

Lab Sample ID: 320-90474-27

Date Collected: 07/26/22 13:10

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			232.4 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1	1 mL	1 mL	612357	08/26/22 11:31	S1M	EET SAC

Client Sample ID: MP-04-(155-192)-202207

Lab Sample ID: 320-90474-28

Date Collected: 07/26/22 13:20

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.7 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 16:20	K1S	EET SAC
Total/NA	Prep	3535	DL		250.7 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612357	08/26/22 11:41	S1M	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-(115-152)-202207

Lab Sample ID: 320-90474-29

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:01	K1S	EET SAC
Total/NA	Prep	3535	DL		246 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	612357	08/26/22 13:02	S1M	EET SAC

Client Sample ID: MP-04-(080-112)-202207

Lab Sample ID: 320-90474-30

Date Collected: 07/26/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			195.2 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:11	K1S	EET SAC
Total/NA	Prep	3535	DL		195.2 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612357	08/26/22 11:52	S1M	EET SAC

Client Sample ID: MP-04-(048-077)-202207

Lab Sample ID: 320-90474-31

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			259.7 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:21	K1S	EET SAC

Client Sample ID: MP-05-(SWL-065)-202207

Lab Sample ID: 320-90474-32

Date Collected: 07/26/22 11:08

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.2 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:31	K1S	EET SAC

Client Sample ID: DUP-01-202207

Lab Sample ID: 320-90474-33

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			193 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:41	K1S	EET SAC

Client Sample ID: DUP-02-202207

Lab Sample ID: 320-90474-34

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 17:52	K1S	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-02-202207

Lab Sample ID: 320-90474-34

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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		261 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	20	1 mL	1 mL	612703	08/28/22 10:30	AF	EET SAC

Client Sample ID: DUP-03-202207

Lab Sample ID: 320-90474-35

Date Collected: 07/26/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			197 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 18:02	K1S	EET SAC

Client Sample ID: DUP-04-202207

Lab Sample ID: 320-90474-36

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.8 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 18:12	K1S	EET SAC
Total/NA	Prep	3535	DL		253.8 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612357	08/26/22 12:02	S1M	EET SAC

Client Sample ID: MP-01-EB-202207

Lab Sample ID: 320-90474-37

Date Collected: 07/27/22 13:50

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.9 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 18:22	K1S	EET SAC

Client Sample ID: MP-02-EB-202207

Lab Sample ID: 320-90474-38

Date Collected: 07/27/22 09:45

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262.5 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 18:32	K1S	EET SAC

Client Sample ID: MP-03-EB-202207

Lab Sample ID: 320-90474-39

Date Collected: 07/26/22 14:12

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.4 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 19:13	K1S	EET SAC

Eurolins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MP-04-EB-202207

Lab Sample ID: 320-90474-40

Date Collected: 07/26/22 11:55

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			258.1 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 19:23	K1S	EET SAC

Client Sample ID: MP-05-EB-202207

Lab Sample ID: 320-90474-41

Date Collected: 07/26/22 10:30

Matrix: Water

Date Received: 07/29/22 09:25

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	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 19:33	K1S	EET SAC

Client Sample ID: FB-01-202207

Lab Sample ID: 320-90474-42

Date Collected: 07/26/22 16:25

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.6 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 19:43	K1S	EET SAC

Client Sample ID: MW-01-202207

Lab Sample ID: 320-90474-43

Date Collected: 07/27/22 12:37

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			274 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 19:53	K1S	EET SAC
Total/NA	Prep	3535	DL		274 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	612357	08/26/22 12:22	S1M	EET SAC

Client Sample ID: MW-02-202207

Lab Sample ID: 320-90474-44

Date Collected: 07/27/22 11:58

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.2 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611673	08/24/22 20:03	K1S	EET SAC
Total/NA	Prep	3535	DL		277.2 mL	10.0 mL	611089	08/22/22 04:56	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	10	1 mL	1 mL	612357	08/26/22 12:52	S1M	EET SAC

Client Sample ID: MW-03-202207

Lab Sample ID: 320-90474-45

Date Collected: 07/26/22 17:17

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.3 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 06:55	GWO	EET SAC

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Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: MW-04-202207

Lab Sample ID: 320-90474-46

Date Collected: 07/27/22 13:35

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			280.4 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:05	GWO	EET SAC
Total/NA	Prep	3535	DL		280.4 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	50	1 mL	1 mL	612227	08/26/22 04:05	AF	EET SAC

Client Sample ID: MW-05-202207

Lab Sample ID: 320-90474-47

Date Collected: 07/27/22 09:09

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			295.1 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:16	GWO	EET SAC
Total/NA	Prep	3535	DL		295.1 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612227	08/26/22 03:45	AF	EET SAC

Client Sample ID: MW-06-202207

Lab Sample ID: 320-90474-48

Date Collected: 07/26/22 15:34

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276.3 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:26	GWO	EET SAC

Client Sample ID: MW-07-202207

Lab Sample ID: 320-90474-49

Date Collected: 07/26/22 13:45

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.2 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:36	GWO	EET SAC

Client Sample ID: PZ-01-202207

Lab Sample ID: 320-90474-50

Date Collected: 07/27/22 11:14

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.9 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:46	GWO	EET SAC

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			278.4 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 07:56	GWO	EET SAC

Eurofins Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Client Sample ID: DUP-06-202207

Lab Sample ID: 320-90474-51

Date Collected: 07/27/22 00:00

Matrix: Water

Date Received: 07/29/22 09:25

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		278.4 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)	DL	5	1 mL	1 mL	612227	08/26/22 03:55	AF	EET SAC

Client Sample ID: FB-02-202207

Lab Sample ID: 320-90474-52

Date Collected: 07/27/22 13:30

Matrix: Water

Date Received: 07/29/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			274.2 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 08:27	GWO	EET SAC

Client Sample ID: EB-01-202207

Lab Sample ID: 320-90474-53

Date Collected: 07/27/22 14:00

Matrix: Water

Date Received: 07/29/22 09:25

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 mL	10.0 mL	611098	08/22/22 05:31	EFG	EET SAC
Total/NA	Analysis	537 (modified)		1			611710	08/24/22 08:37	GWO	EET SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

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	08-11-23
Arkansas DEQ	State	88-0691	06-17-22 *
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-23
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-22
Louisiana	NELAP	01944	06-30-23
Louisiana (All)	NELAP	01944	06-30-23
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23
Nevada	State	CA00044	07-31-23
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-23
New York	NELAP	11666	04-01-23
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
Texas	NELAP	T104704399-19-13	05-31-23
US Fish & Wildlife	US Federal Programs	58448	04-30-23
USDA	US Federal Programs	P330-18-00239	01-23-23
Utah	NELAP	CA000442021-12	02-28-23
Virginia	NELAP	460278	03-14-23
Washington	State	C581	05-05-23
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-23
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: 320-90474-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
SM 2540D	Solids, Total Suspended (TSS)	SM	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

Client: TRC Environmental Corporation
 Project/Site: 451482 RockGen

Job ID: 320-90474-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-90474-1	MP-01-(277-293)-202207	Water	07/27/22 14:40	07/29/22 09:25
320-90474-2	MP-01-(253-274)-202207	Water	07/27/22 14:55	07/29/22 09:25
320-90474-3	MP-01-(223-250)-202207	Water	07/27/22 15:10	07/29/22 09:25
320-90474-4	MP-01-(198-220)-202207	Water	07/27/22 15:30	07/29/22 09:25
320-90474-5	MP-01-(155-195)-202207	Water	07/27/22 15:40	07/29/22 09:25
320-90474-6	MP-01-(121-152)-202207	Water	07/27/22 15:55	07/29/22 09:25
320-90474-7	MP-01-(091-118)-202207	Water	07/27/22 16:05	07/29/22 09:25
320-90474-8	MP-01-(051-088)-202207	Water	07/27/22 16:15	07/29/22 09:25
320-90474-9	MP-02-(279-300)-202207	Water	07/27/22 10:15	07/29/22 09:25
320-90474-10	MP-02-(253-276)-202207	Water	07/27/22 10:30	07/29/22 09:25
320-90474-11	MP-02-(223-250)-202207	Water	07/27/22 10:40	07/29/22 09:25
320-90474-12	MP-02-(198-220)-202207	Water	07/27/22 10:53	07/29/22 09:25
320-90474-13	MP-02-(153-195)-202207-A	Water	07/27/22 11:25	07/29/22 09:25
320-90474-14	MP-02-(153-195)-202207-B	Water	07/27/22 12:15	07/29/22 09:25
320-90474-15	MP-02-(153-195)-202207-C	Water	07/27/22 13:15	07/29/22 09:25
320-90474-16	MP-03-(280-300)-202207	Water	07/26/22 14:45	07/29/22 09:25
320-90474-17	MP-03-(245-277)-202207	Water	07/26/22 14:55	07/29/22 09:25
320-90474-18	MP-03-(220-242)-202207	Water	07/26/22 15:07	07/29/22 09:25
320-90474-19	MP-03-(190-217)-202207	Water	07/26/22 15:20	07/29/22 09:25
320-90474-20	MP-03-(160-187)-202207	Water	07/26/22 15:35	07/29/22 09:25
320-90474-21	MP-03-(120-157)-202207	Water	07/26/22 15:50	07/29/22 09:25
320-90474-22	MP-03-(083-117)-202207	Water	07/26/22 16:00	07/29/22 09:25
320-90474-23	MP-03-(046-080)-202207	Water	07/26/22 16:12	07/29/22 09:25
320-90474-24	MP-04-(275-291)-202207	Water	07/26/22 12:10	07/29/22 09:25
320-90474-25	MP-04-(245-272)-202207	Water	07/26/22 12:35	07/29/22 09:25
320-90474-26	MP-04-(220-242)-202207	Water	07/26/22 12:55	07/29/22 09:25
320-90474-27	MP-04-(195-217)-202207	Water	07/26/22 13:10	07/29/22 09:25
320-90474-28	MP-04-(155-192)-202207	Water	07/26/22 13:20	07/29/22 09:25
320-90474-29	MP-04-(115-152)-202207	Water	07/26/22 13:45	07/29/22 09:25
320-90474-30	MP-04-(080-112)-202207	Water	07/26/22 14:00	07/29/22 09:25
320-90474-31	MP-04-(048-077)-202207	Water	07/26/22 10:30	07/29/22 09:25
320-90474-32	MP-05-(SWL-065)-202207	Water	07/26/22 11:08	07/29/22 09:25
320-90474-33	DUP-01-202207	Water	07/26/22 00:00	07/29/22 09:25
320-90474-34	DUP-02-202207	Water	07/26/22 00:00	07/29/22 09:25
320-90474-35	DUP-03-202207	Water	07/26/22 00:00	07/29/22 09:25
320-90474-36	DUP-04-202207	Water	07/27/22 00:00	07/29/22 09:25
320-90474-37	MP-01-EB-202207	Water	07/27/22 13:50	07/29/22 09:25
320-90474-38	MP-02-EB-202207	Water	07/27/22 09:45	07/29/22 09:25
320-90474-39	MP-03-EB-202207	Water	07/26/22 14:12	07/29/22 09:25
320-90474-40	MP-04-EB-202207	Water	07/26/22 11:55	07/29/22 09:25
320-90474-41	MP-05-EB-202207	Water	07/26/22 10:30	07/29/22 09:25
320-90474-42	FB-01-202207	Water	07/26/22 16:25	07/29/22 09:25
320-90474-43	MW-01-202207	Water	07/27/22 12:37	07/29/22 09:25
320-90474-44	MW-02-202207	Water	07/27/22 11:58	07/29/22 09:25
320-90474-45	MW-03-202207	Water	07/26/22 17:17	07/29/22 09:25
320-90474-46	MW-04-202207	Water	07/27/22 13:35	07/29/22 09:25
320-90474-47	MW-05-202207	Water	07/27/22 09:09	07/29/22 09:25
320-90474-48	MW-06-202207	Water	07/26/22 15:34	07/29/22 09:25
320-90474-49	MW-07-202207	Water	07/26/22 13:45	07/29/22 09:25
320-90474-50	PZ-01-202207	Water	07/27/22 11:14	07/29/22 09:25
320-90474-51	DUP-06-202207	Water	07/27/22 00:00	07/29/22 09:25
320-90474-52	FB-02-202207	Water	07/27/22 13:30	07/29/22 09:25
320-90474-53	EB-01-202207	Water	07/27/22 14:00	07/29/22 09:25



Chain of Custody Record

Client Information		Sampler: Marshal Toft/Lydia Auner		Lab PM: David Alltucker	Carrier Tracking No(s):
Client Contact: Jeff Ramey		Phone:		E-Mail: david.alltucker@eurofinsnet.com	State of Origin:
Company: TRC		PWSID:		COC No.:	
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Page: Page 1 of 4	
City: West Allis		TAT Requested (days):		Job #:	
State, Zip: WI, 53214		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Preservation Codes:	
Phone: 414.294.9247		PO #:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate	
Email: Jramey@trccompanies.com		WO #:		G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Project Name: RockGen Phase 2		Project #:		U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Site: RockGen		SSOW#:		Total Number of containers	

Analysis Requested	
 320-90474 Chain of Custody	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water, BT=Issue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TSS	Special Instructions/Note:
MP-01-(277-293)-202207	7/27/22	14:40	G	GW	N	X		
MP-01-(253-274)-202207	7/27/22	14:55	G	GW	N	X		
MP-01-(223-250)-202207	7/27/22	15:10	G	GW	N	X		
MP-01-(198-220)-202207	7/27/22	15:30	G	GW	N	X		
MP-01-(155-195)-202207	7/27/22	15:40	G	GW	N	X		
MP-01-(121-152)-202207	7/27/22	15:55	G	GW	N	X		
MP-01-(091-118)-202207	7/27/22	16:05	G	GW	N	X		
MP-01-(051-088)-202207	7/27/22	16:15	G	GW	N	X		
MP-02-(279-300)-202207	7/27/22	10:15	G	GW	N	X		
MP-02-(253-276)-202207	7/27/22	10:30	G	GW	N	X		
MP-02-(223-250)-202207	7/27/22	10:40	G	GW	N	X		
MP-02-(198-220)-202207	7/27/22	10:53	G	GW	N	X		
MP-02-(153-195)-202207-A	7/27/22	11:25	G	GW	N	X		
MP-02-(153-195)-202207-B	7/27/22	12:15	G	GW	N	X		
MP-02-(153-195)-202207-C	7/26/22	13:15	G	GW	N	X		only 500 mL submitted

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	
Deliverable Requested: I, II, III, IV, Other (specify)	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Special Instructions/QC Requirements:	

Empty Kit Relinquished by:		Time:	
Relinquished by: <i>meah</i>	Date/Time: 7/28/2022-12:00	Company: TRC	Method of Shipment:
Relinquished by:	Date/Time:	Company:	
Relinquished by:	Date/Time:	Company:	
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.50, 1.51, 1.5	



Client Information		Lab PIN: David Alltucker	Carrier Tracking No(s):	COC No:
Client Contact: Jeff Ranney		E-Mail: david.alltucker@eurofinset.com	State of Origin:	Page: Page 2 of 4
Company: TRC		PWSID:	Job #:	
Address: 6737 W Washington Street, Suite 2100		Analysis Requested		
City: West Allis	TAT Requested (days):	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ica U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:		
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	PO #:			
WO #:				
Project #:				
SSOW#:				
Due Date Requested:		Total Number of containers		
Sample Identification		Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TSS
MP-03-(280-300)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(245-277)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(220-242)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(190-217)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(160-187)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(120-157)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(083-117)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-03-(046-080)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(275-291)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(245-272)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(220-242)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(195-217)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(155-192)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(115-152)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP-04-(080-112)-202207	Sample Date: 7/26/22	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Possible Hazard Identification		Special Instructions/Note:		
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements		
Empty Kit Relinquished by:		Method of Shipment:		
Relinquished by: <i>MBM</i>		Date: 7/28/2022 - 12:00		
Relinquished by:		Company: TRC		
Relinquished by:		Date/Time: 7/29/22 9:25		
Relinquished by:		Company: <i>ESK</i>		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>1.5C 1.5C 1.5C</i>		



4cr 01/16/2019

Client Information		Sampler: Marshal Toifer/Lydia Auner		Lab PIN: David Alltucker		Carrier Tracking No(s):		COC No.:	
Client Contact: Jeff Ranney		Phone:		E-Mail: david.alltucker@eurofinset.com		State of Origin:		Page: Page 3 of 4	
Company: TRC		PWSID:		Analysis Requested		Job #:		Preservation Codes:	
Address: 6737 W Washington Street, Suite 2100		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note:	
City: West Allis		TAT Requested (days):		Perform MS/MSD (Yes or No)				A - HCL	
State, Zip: WI, 53214		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sample Type (C=Comp, G=Grab)				M - Hexane	
Phone: 414.294.9247		PO #:		Sample Time				N - None	
Email: jranney@trccompanies.com		WO #:		Sample Date				O - AsNaO2	
Project Name: RockGen Phase 2		Project #:		Preservation Code:				P - Na2O4S	
Site: RockGen		SSOW#:		Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)				Q - Na2SO3	
				Sample Date				R - Na2SO3	
				Sample Time				S - H2SO4	
				Sample Type				T - TSP Dodecahydrate	
				Sample Date				U - Acetone	
				Sample Time				V - MCAA	
				Sample Date				W - pH 4-5	
				Sample Time				X - EDTA	
				Sample Date				Y - EDA	
				Sample Time				Z - other (specify)	
				Sample Date				Other:	
				Sample Time					
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Address: _____

TAL-8210

Regulatory Program: DW NPDES RCRA Other:

Client Contact
Company Name: TRC
Address: 6737 W Washington St Suite 2100
City/State/Zip: West Allis, WI 53214
Phone: _____
Fax: _____
Project Name: RockGen Ph 2
Site: RockGen
P.O.# _____

Project Manager: Jeff Rainey
Tel/Email: _____
Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS
TAT, if different from Below
 2 weeks
 1 week
 2 days
 1 day

Site Contact:
Lab Contact: Alltucker
Date: _____
Carrier: _____

COC No: 4 of 4 COGs
Sampler: Tom Perkins
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)	PEAS (W-33)	Sample Specific Notes:	
MW-01-202207	7/27/22	1237	G	GW	2	X				
MW-02-202207	7/27/22	1158			2	X				
MW-03-202207	7/26/22	1717			2	X				
MW-04-202207	7/27/22	1335			2	X				
MW-05-202207	7/27/22	0909			2	X				
MW-06-202207	7/26/22	1534			2	X				
MW-07-202207	7/26/22	1537			2	X				Sample Time: 1345
PZ-01-202207	7/27/22	1114			2	X				
Dup-06-202207	7/27/22	—			2	X				
FB-02-202207	7/27/22	1330		W	2	X				
EB-01-202207	7/27/22	1400		W	2	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:
 Return to Client Disposal by Lab Archive for _____ Months

Cooler Temp. (°C): Obs'd: 1.5 Corr'd: 1.5
Therm ID No: 006

Company: TRC
Date/Time: 7/28/22-12:00
Received by: [Signature]

Company: [Signature]
Date/Time: 7/28/22 9:08

Company: _____
Date/Time: _____

Company: _____
Date/Time: _____



Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-90474-1

Login Number: 90474

List Source: Eurofins Sacramento

List Number: 1

Creator: Maldonado, Letzi 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	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	